

**SKF**

# **POWER TRANSMISSION PRODUCTS**





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# Belts



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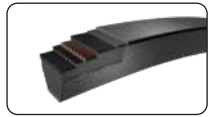
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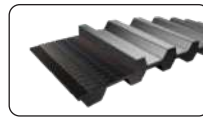
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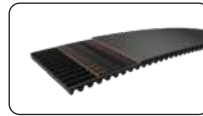
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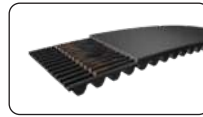
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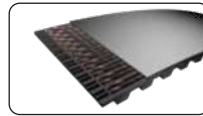
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# SKF Belts

SKF belt range nomenclature has a defined prefix of PHG. All belts we produce conform to conventional basic part number format – ISO, BS, RMA or DIN.

# V Belts

The V belt designation format is constant through the range, with the following example to indicate set up.

| SKF Designation prefix                                                                                                                                                                                                                                                                                                                                                     | PHG | SPB | 1800 | XP |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------|----|
| <b>Belt type</b> _____<br>Wedge – SPZ, SPA, SPB, SPC<br>Wedge CRE (in EPDM) – XPZ...EP, XPA...EP, XPB...EP, XPC...EP<br>Classical – Z, A, B, C, D, E<br>Classical CRE (in EPDM) – ZX...EP, AX...EP, BX...EP, CX...EP<br>Narrow wedge – 3V, 5V, 8V<br>Narrow wedge CRE (in EPDM) – 3VX...EP, 5VX...EP, 8VX...EP<br>Double classical – AA, BB, CC<br>Ribbed – PJ, PK, PL, PM |     |     |      |    |
| <b>Belt lengths</b> _____<br>Wedge all – pitch length (mm)<br>Narrow wedge all – outside length (1/100 inch)<br>Classical all – inside length (inch)<br>Ribbed – pitch length (mm)                                                                                                                                                                                         |     |     |      |    |
| <b>Supplementary</b> _____<br>Wedge & Narrow wedge – XP2 series<br>Wedge, Narrow wedge, Classical banded belts – Xxx, where xx indicates the number of belts per band.<br>e.g. PHG SPB3550X5, 5 being the no. of belts                                                                                                                                                     |     |     |      |    |
| <b>Note</b><br>Ribbed belts will list number of ribs before the Belt type                                                                                                                                                                                                                                                                                                  |     |     |      |    |

## Belts (PHG Product Group)

SKF belts are manufactured to a “worldwide” specification, PTP-0299 (Feb 2000), which is compatible with all commonly used standards:

- wrapped and cogged belts are manufactured according to GB 1171 and BS 3790
- timing belts are in accordance with quality standards GB/T13487-1992 and GB/T11616-1989
- length and tolerance control of MXL, XL, L, H, XH, XXH profiles are done in accordance with ISO 5296-1

- measurement tolerance testing is done in accordance with ISO 4184
- SKF belts are manufactured to be anti-static and as such comply with ATEX directive requirements (static conductivity testing is done in accordance with ISO 1813)
- equipment testing is done in accordance with ISO 255-1990

Rubber belts can be stored in “optimum” conditions for up to 10 years, however in real world practice we suggest storing no more than 7 years to ensure expected working life is not affected.

### Main materials and characteristics in V-belts

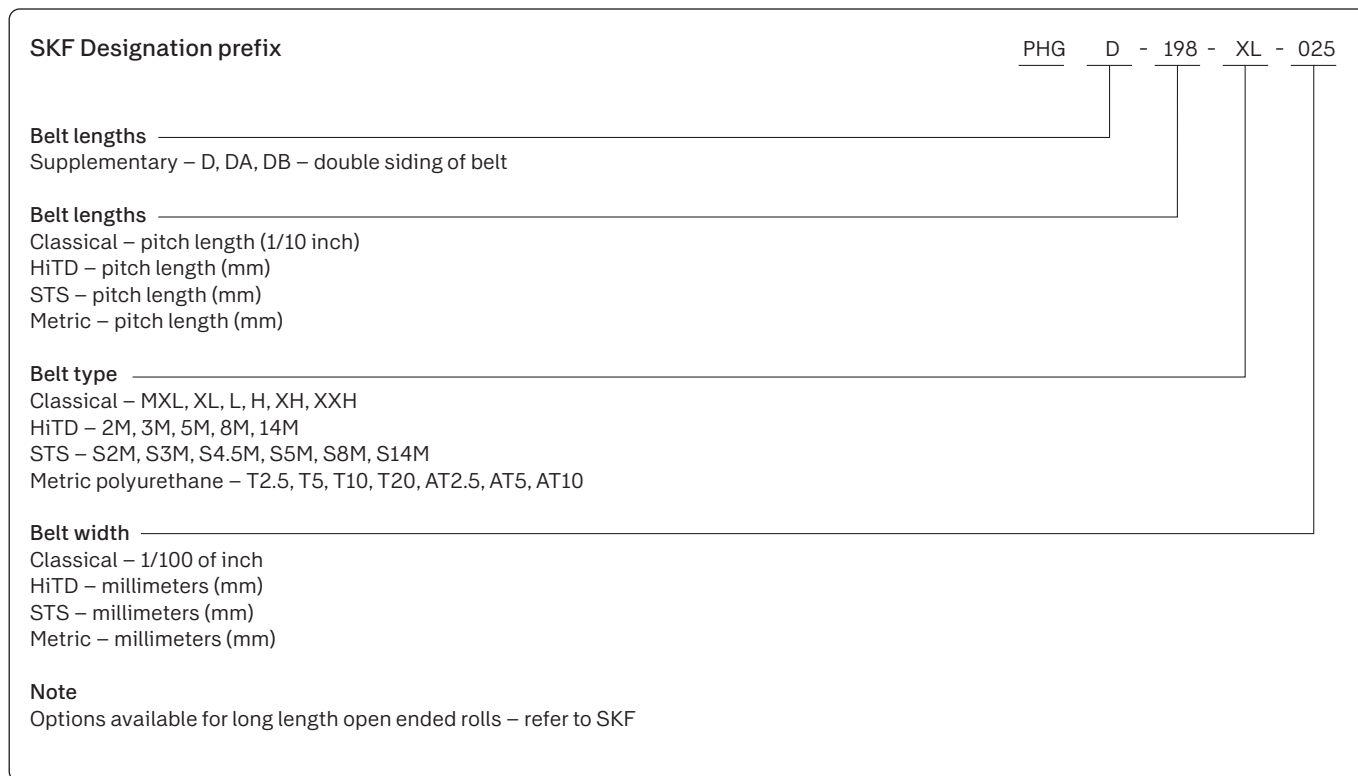
|                              | Classical<br>(All sections)<br>Jacketed (with cover) | Standard wedge (ISO) and<br>Narrow wedge (RMA)<br>Jacketed (with cover) | XP2 series wedge<br>(All relevant sections)<br>Jacketed (with cover) | Cogged<br>(All sections)<br>Raw edge |
|------------------------------|------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------|
| Tensile cord                 | Polyester cord                                       | Polyester cord                                                          | HMLS polyester                                                       | Polyester cord                       |
| Cushion rubber compound      | Chloroprene                                          | Chloroprene                                                             | Chloroprene                                                          | EPDM                                 |
| Fibre -loaded cushion rubber | No                                                   | No                                                                      | Yes                                                                  | Yes                                  |
| Temperature range            | -35 to 65 °C (-31 to 149 °F)                         | -35 to 65 °C (-31 to 149 °F)                                            | -35 to 65 °C (-31 to 149 °F)                                         | -50 to 120 °C (-58 to 248 °F)        |

## SKF Belts

SKF belt range nomenclature has a defined prefix of PHG. All belts we produce conform to conventional basic part number format – ISO, BS, RMA or DIN.

## Timing Belts

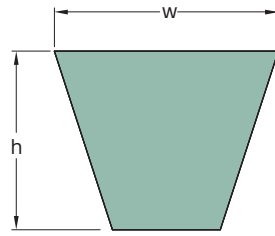
The Timing belt designation format is constant through the range, with the following example to indicate set up.



### Main materials used in timing belts

|                       | Classical<br>(MXL, L, H, XH,XXH) | HTD<br>(3M, 5M, 8M, 14M) | Polyurethane metric<br>(T2.5, T5, T10, AT2.5, AT5, AT10)<br>Truly Endless | Polyurethane metric<br>(T2.5, T5, T10, AT2.5, AT5, AT10)<br>Open Ended |
|-----------------------|----------------------------------|--------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Tensile member (cord) | Fiberglass                       | Fiberglass               | Steel cord / Aramid cord                                                  | Steel cord / Aramid cord                                               |
| Tooth compound        | CR                               | CR                       | Polyurethane                                                              | Polyurethane                                                           |
| Tooth facing fabric   | Nylon                            | Nylon                    | no fabric                                                                 | Nylon available                                                        |
| Backing fabric        | CR                               | CR                       | no fabric                                                                 | Nylon available                                                        |

Wrapped wedge belts  
SPZ | SPA



| Section | Dimensions   |     |   | Designation | Section | Dimensions   |     |   | Designation | Section | Dimensions   |      |    | Designation |
|---------|--------------|-----|---|-------------|---------|--------------|-----|---|-------------|---------|--------------|------|----|-------------|
|         | Pitch length | w   | h |             |         | Pitch length | w   | h |             |         | Pitch length | w    | h  |             |
| –       | mm           |     |   | –           | –       | mm           |     |   | –           | –       | mm           |      |    | –           |
| SPZ     | 512          | 9.7 | 8 | PHG SPZ512  | SPZ     | 1250         | 9.7 | 8 | PHG SPZ1250 | SPZ     | 2360         | 9.7  | 8  | PHG SPZ2360 |
|         | 560          | 9.7 | 8 | PHG SPZ560  |         | 1262         | 9.7 | 8 | PHG SPZ1262 |         | 2410         | 9.7  | 8  | PHG SPZ2410 |
|         | 562          | 9.7 | 8 | PHG SPZ562  |         | 1270         | 9.7 | 8 | PHG SPZ1270 |         | 2500         | 9.7  | 8  | PHG SPZ2500 |
|         | 587          | 9.7 | 8 | PHG SPZ587  |         | 1287         | 9.7 | 8 | PHG SPZ1287 |         | 2540         | 9.7  | 8  | PHG SPZ2540 |
|         | 612          | 9.7 | 8 | PHG SPZ612  |         | 1312         | 9.7 | 8 | PHG SPZ1312 |         | 2580         | 9.7  | 8  | PHG SPZ2580 |
|         | 630          | 9.7 | 8 | PHG SPZ630  |         | 1320         | 9.7 | 8 | PHG SPZ1320 |         | 2650         | 9.7  | 8  | PHG SPZ2650 |
|         | 637          | 9.7 | 8 | PHG SPZ637  |         | 1337         | 9.7 | 8 | PHG SPZ1337 |         | 2690         | 9.7  | 8  | PHG SPZ2690 |
|         | 662          | 9.7 | 8 | PHG SPZ662  |         | 1340         | 9.7 | 8 | PHG SPZ1340 |         | 2800         | 9.7  | 8  | PHG SPZ2800 |
|         | 670          | 9.7 | 8 | PHG SPZ670  |         | 1347         | 9.7 | 8 | PHG SPZ1347 |         | 2840         | 9.7  | 8  | PHG SPZ2840 |
|         | 687          | 9.7 | 8 | PHG SPZ687  |         | 1362         | 9.7 | 8 | PHG SPZ1362 |         | 2900         | 9.7  | 8  | PHG SPZ2900 |
|         | 710          | 9.7 | 8 | PHG SPZ710  |         | 1387         | 9.7 | 8 | PHG SPZ1387 |         | 3000         | 9.7  | 8  | PHG SPZ3000 |
|         | 722          | 9.7 | 8 | PHG SPZ722  |         | 1400         | 9.7 | 8 | PHG SPZ1400 |         | 3150         | 9.7  | 8  | PHG SPZ3150 |
|         | 737          | 9.7 | 8 | PHG SPZ737  |         | 1412         | 9.7 | 8 | PHG SPZ1412 |         | 3170         | 9.7  | 8  | PHG SPZ3170 |
|         | 750          | 9.7 | 8 | PHG SPZ750  |         | 1420         | 9.7 | 8 | PHG SPZ1420 |         | 3350         | 9.7  | 8  | PHG SPZ3350 |
|         | 760          | 9.7 | 8 | PHG SPZ760  |         | 1437         | 9.7 | 8 | PHG SPZ1437 |         | 3550         | 9.7  | 8  | PHG SPZ3550 |
|         | 762          | 9.7 | 8 | PHG SPZ762  |         | 1462         | 9.7 | 8 | PHG SPZ1462 | SPA     | 732          | 12.7 | 10 | PHG SPA732  |
|         | 772          | 9.7 | 8 | PHG SPZ772  |         | 1487         | 9.7 | 8 | PHG SPZ1487 |         | 757          | 12.7 | 10 | PHG SPA757  |
|         | 787          | 9.7 | 8 | PHG SPZ787  |         | 1500         | 9.7 | 8 | PHG SPZ1500 |         | 775          | 12.7 | 10 | PHG SPA775  |
|         | 800          | 9.7 | 8 | PHG SPZ800  |         | 1512         | 9.7 | 8 | PHG SPZ1512 |         | 782          | 12.7 | 10 | PHG SPA782  |
|         | 812          | 9.7 | 8 | PHG SPZ812  |         | 1520         | 9.7 | 8 | PHG SPZ1520 |         | 800          | 12.7 | 10 | PHG SPA800  |
|         | 825          | 9.7 | 8 | PHG SPZ825  |         | 1537         | 9.7 | 8 | PHG SPZ1537 |         | 807          | 12.7 | 10 | PHG SPA807  |
|         | 837          | 9.7 | 8 | PHG SPZ837  |         | 1562         | 9.7 | 8 | PHG SPZ1562 |         | 832          | 12.7 | 10 | PHG SPA832  |
|         | 850          | 9.7 | 8 | PHG SPZ850  |         | 1587         | 9.7 | 8 | PHG SPZ1587 |         | 850          | 12.7 | 10 | PHG SPA850  |
|         | 862          | 9.7 | 8 | PHG SPZ862  |         | 1600         | 9.7 | 8 | PHG SPZ1600 |         | 857          | 12.7 | 10 | PHG SPA857  |
|         | 875          | 9.7 | 8 | PHG SPZ875  |         | 1612         | 9.7 | 8 | PHG SPZ1612 |         | 882          | 12.7 | 10 | PHG SPA882  |
|         | 887          | 9.7 | 8 | PHG SPZ887  |         | 1637         | 9.7 | 8 | PHG SPZ1637 |         | 900          | 12.7 | 10 | PHG SPA900  |
|         | 900          | 9.7 | 8 | PHG SPZ900  |         | 1650         | 9.7 | 8 | PHG SPZ1650 |         | 907          | 12.7 | 10 | PHG SPA907  |
|         | 912          | 9.7 | 8 | PHG SPZ912  |         | 1662         | 9.7 | 8 | PHG SPZ1662 |         | 925          | 12.7 | 10 | PHG SPA925  |
|         | 925          | 9.7 | 8 | PHG SPZ925  |         | 1687         | 9.7 | 8 | PHG SPZ1687 |         | 932          | 12.7 | 10 | PHG SPA932  |
|         | 937          | 9.7 | 8 | PHG SPZ937  |         | 1700         | 9.7 | 8 | PHG SPZ1700 |         | 950          | 12.7 | 10 | PHG SPA950  |
|         | 950          | 9.7 | 8 | PHG SPZ950  |         | 1737         | 9.7 | 8 | PHG SPZ1737 |         | 957          | 12.7 | 10 | PHG SPA957  |
|         | 962          | 9.7 | 8 | PHG SPZ962  |         | 1750         | 9.7 | 8 | PHG SPZ1750 |         | 969          | 12.7 | 10 | PHG SPA969  |
|         | 987          | 9.7 | 8 | PHG SPZ987  |         | 1762         | 9.7 | 8 | PHG SPZ1762 |         | 975          | 12.7 | 10 | PHG SPA975  |
|         | 1000         | 9.7 | 8 | PHG SPZ1000 |         | 1787         | 9.7 | 8 | PHG SPZ1787 |         | 982          | 12.7 | 10 | PHG SPA982  |
|         | 1010         | 9.7 | 8 | PHG SPZ1010 |         | 1800         | 9.7 | 8 | PHG SPZ1800 |         | 1000         | 12.7 | 10 | PHG SPA1000 |
|         | 1012         | 9.7 | 8 | PHG SPZ1012 |         | 1812         | 9.7 | 8 | PHG SPZ1812 |         | 1007         | 12.7 | 10 | PHG SPA1007 |
|         | 1024         | 9.7 | 8 | PHG SPZ1024 |         | 1837         | 9.7 | 8 | PHG SPZ1837 |         | 1030         | 12.7 | 10 | PHG SPA1030 |
|         | 1037         | 9.7 | 8 | PHG SPZ1037 |         | 1850         | 9.7 | 8 | PHG SPZ1850 |         | 1032         | 12.7 | 10 | PHG SPA1032 |
|         | 1047         | 9.7 | 8 | PHG SPZ1047 |         | 1862         | 9.7 | 8 | PHG SPZ1862 |         | 1055         | 12.7 | 10 | PHG SPA1055 |
|         | 1060         | 9.7 | 8 | PHG SPZ1060 |         | 1887         | 9.7 | 8 | PHG SPZ1887 |         | 1060         | 12.7 | 10 | PHG SPA1060 |
|         | 1077         | 9.7 | 8 | PHG SPZ1077 |         | 1900         | 9.7 | 8 | PHG SPZ1900 |         | 1082         | 12.7 | 10 | PHG SPA1082 |
|         | 1080         | 9.7 | 8 | PHG SPZ1080 |         | 1937         | 9.7 | 8 | PHG SPZ1937 |         | 1090         | 12.7 | 10 | PHG SPA1090 |
|         | 1087         | 9.7 | 8 | PHG SPZ1087 |         | 1950         | 9.7 | 8 | PHG SPZ1950 |         | 1107         | 12.7 | 10 | PHG SPA1107 |
|         | 1112         | 9.7 | 8 | PHG SPZ1112 |         | 1987         | 9.7 | 8 | PHG SPZ1987 |         | 1120         | 12.7 | 10 | PHG SPA1120 |
|         | 1120         | 9.7 | 8 | PHG SPZ1120 |         | 2000         | 9.7 | 8 | PHG SPZ2000 |         | 1132         | 12.7 | 10 | PHG SPA1132 |
|         | 1137         | 9.7 | 8 | PHG SPZ1137 |         | 2037         | 9.7 | 8 | PHG SPZ2037 |         | 1150         | 12.7 | 10 | PHG SPA1150 |
|         | 1140         | 9.7 | 8 | PHG SPZ1140 |         | 2060         | 9.7 | 8 | PHG SPZ2060 |         | 1157         | 12.7 | 10 | PHG SPA1157 |
|         | 1150         | 9.7 | 8 | PHG SPZ1150 |         | 2120         | 9.7 | 8 | PHG SPZ2120 |         | 1180         | 12.7 | 10 | PHG SPA1180 |
|         | 1162         | 9.7 | 8 | PHG SPZ1162 |         | 2137         | 9.7 | 8 | PHG SPZ2137 |         | 1190         | 12.7 | 10 | PHG SPA1190 |
|         | 1180         | 9.7 | 8 | PHG SPZ1180 |         | 2160         | 9.7 | 8 | PHG SPZ2160 |         | 1200         | 12.7 | 10 | PHG SPA1200 |
|         | 1187         | 9.7 | 8 | PHG SPZ1187 |         | 2187         | 9.7 | 8 | PHG SPZ2187 |         | 1207         | 12.7 | 10 | PHG SPA1207 |
|         | 1200         | 9.7 | 8 | PHG SPZ1200 |         | 2240         | 9.7 | 8 | PHG SPZ2240 |         | 1220         | 12.7 | 10 | PHG SPA1220 |
|         | 1202         | 9.7 | 8 | PHG SPZ1202 |         | 2262         | 9.7 | 8 | PHG SPZ2262 |         | 1232         | 12.7 | 10 | PHG SPA1232 |
|         | 1212         | 9.7 | 8 | PHG SPZ1212 |         | 2280         | 9.7 | 8 | PHG SPZ2280 |         | 1250         | 12.7 | 10 | PHG SPA1250 |
|         | 1237         | 9.7 | 8 | PHG SPZ1237 |         | 2287         | 9.7 | 8 | PHG SPZ2287 |         | 1257         | 12.7 | 10 | PHG SPA1257 |

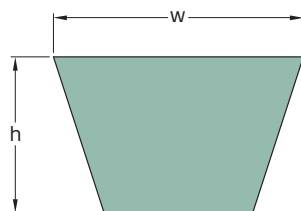
Non-standard lengths are also available.

# Wrapped wedge belts SPA | SPB | SPC

| Section | Dimensions   |      |    | Designation | Section | Dimensions   |      |    | Designation | Section | Dimensions   |      |    | Designation  |
|---------|--------------|------|----|-------------|---------|--------------|------|----|-------------|---------|--------------|------|----|--------------|
|         | Pitch length | w    | h  |             |         | Pitch length | w    | h  |             |         | Pitch length | w    | h  |              |
| –       | mm           |      |    | –           | –       | mm           |      |    | –           | –       | mm           |      |    | –            |
| SPA     | 1272         | 12.7 | 10 | PHG SPA1272 | SPA     | 2 632        | 12.7 | 10 | PHG SPA2632 | SPB     | 3 450        | 16.3 | 13 | PHG SPB3450  |
|         | 1282         | 12.7 | 10 | PHG SPA1282 |         | 2 650        | 12.7 | 10 | PHG SPA2650 |         | 3 550        | 16.3 | 13 | PHG SPB3550  |
|         | 1300         | 12.7 | 10 | PHG SPA1300 |         | 2 682        | 12.7 | 10 | PHG SPA2682 |         | 3 650        | 16.3 | 13 | PHG SPB3650  |
|         | 1307         | 12.7 | 10 | PHG SPA1307 |         | 2 732        | 12.7 | 10 | PHG SPA2732 |         | 3 750        | 16.3 | 13 | PHG SPB3750  |
|         | 1320         | 12.7 | 10 | PHG SPA1320 |         | 2 782        | 12.7 | 10 | PHG SPA2782 |         | 3 800        | 16.3 | 13 | PHG SPB3800  |
|         | 1332         | 12.7 | 10 | PHG SPA1332 |         | 2 800        | 12.7 | 10 | PHG SPA2800 |         | 3 870        | 16.3 | 13 | PHG SPB3870  |
|         | 1357         | 12.7 | 10 | PHG SPA1357 |         | 2 832        | 12.7 | 10 | PHG SPA2832 |         | 4 000        | 16.3 | 13 | PHG SPB4000  |
|         | 1360         | 12.7 | 10 | PHG SPA1360 |         | 2 847        | 12.7 | 10 | PHG SPA2847 |         | 4 060        | 16.3 | 13 | PHG SPB4060  |
|         | 1367         | 12.7 | 10 | PHG SPA1367 |         | 2 882        | 12.7 | 10 | PHG SPA2882 |         | 4 120        | 16.3 | 13 | PHG SPB4120  |
|         | 1382         | 12.7 | 10 | PHG SPA1382 |         | 2 900        | 12.7 | 10 | PHG SPA2900 |         | 4 250        | 16.3 | 13 | PHG SPB4250  |
|         | 1400         | 12.7 | 10 | PHG SPA1400 |         | 2 932        | 12.7 | 10 | PHG SPA2932 |         | 4 310        | 16.3 | 13 | PHG SPB4310  |
|         | 1407         | 12.7 | 10 | PHG SPA1407 |         | 2 982        | 12.7 | 10 | PHG SPA2982 |         | 4 500        | 16.3 | 13 | PHG SPB4500  |
|         | 1415         | 12.7 | 10 | PHG SPA1415 |         | 3 000        | 12.7 | 10 | PHG SPA3000 |         | 4 560        | 16.3 | 13 | PHG SPB4560  |
|         | 1420         | 12.7 | 10 | PHG SPA1420 |         | 3 032        | 12.7 | 10 | PHG SPA3032 |         | 4 620        | 16.3 | 13 | PHG SPB4620  |
|         | 1432         | 12.7 | 10 | PHG SPA1432 |         | 3 082        | 12.7 | 10 | PHG SPA3082 |         | 4 750        | 16.3 | 13 | PHG SPB4750  |
|         | 1450         | 12.7 | 10 | PHG SPA1450 |         | 3 150        | 12.7 | 10 | PHG SPA3150 |         | 4 820        | 16.3 | 13 | PHG SPB4820  |
|         | 1457         | 12.7 | 10 | PHG SPA1457 |         | 3 182        | 12.7 | 10 | PHG SPA3182 |         | 5 000        | 16.3 | 13 | PHG SPB5000  |
|         | 1482         | 12.7 | 10 | PHG SPA1482 |         | 3 282        | 12.7 | 10 | PHG SPA3282 |         | 5 070        | 16.3 | 13 | PHG SPB5070  |
|         | 1490         | 12.7 | 10 | PHG SPA1490 |         | 3 350        | 12.7 | 10 | PHG SPA3350 |         | 5 300        | 16.3 | 13 | PHG SPB5300  |
|         | 1500         | 12.7 | 10 | PHG SPA1500 |         | 3 382        | 12.7 | 10 | PHG SPA3382 |         | 5 380        | 16.3 | 13 | PHG SPB5380  |
|         | 1507         | 12.7 | 10 | PHG SPA1507 |         | 3 550        | 12.7 | 10 | PHG SPA3550 |         | 5 500        | 16.3 | 13 | PHG SPB5500  |
|         | 1532         | 12.7 | 10 | PHG SPA1532 |         | 3 750        | 12.7 | 10 | PHG SPA3750 |         | 5 600        | 16.3 | 13 | PHG SPB5600  |
|         | 1550         | 12.7 | 10 | PHG SPA1550 |         | 4 000        | 12.7 | 10 | PHG SPA4000 |         | 5 680        | 16.3 | 13 | PHG SPB5680  |
|         | 1557         | 12.7 | 10 | PHG SPA1557 |         | 4 250        | 12.7 | 10 | PHG SPA4250 |         | 6 000        | 16.3 | 13 | PHG SPB6000  |
|         | 1582         | 12.7 | 10 | PHG SPA1582 |         | 4 500        | 12.7 | 10 | PHG SPA4500 |         | 6 300        | 16.3 | 13 | PHG SPB6300  |
|         | 1600         | 12.7 | 10 | PHG SPA1600 | SPB     | 1 250        | 16.3 | 13 | PHG SPB1250 |         | 6 340        | 16.3 | 13 | PHG SPB6340  |
|         | 1607         | 12.7 | 10 | PHG SPA1607 |         | 1 260        | 16.3 | 13 | PHG SPB1260 |         | 6 700        | 16.3 | 13 | PHG SPB6700  |
|         | 1632         | 12.7 | 10 | PHG SPA1632 |         | 1 270        | 16.3 | 13 | PHG SPB1270 |         | 7 100        | 16.3 | 13 | PHG SPB7100  |
|         | 1650         | 12.7 | 10 | PHG SPA1650 |         | 1 280        | 16.3 | 13 | PHG SPB1280 |         | 7 500        | 16.3 | 13 | PHG SPB7500  |
|         | 1657         | 12.7 | 10 | PHG SPA1657 |         | 1 320        | 16.3 | 13 | PHG SPB1320 |         | 8 000        | 16.3 | 13 | PHG SPB8000  |
|         | 1682         | 12.7 | 10 | PHG SPA1682 |         | 1 340        | 16.3 | 13 | PHG SPB1340 | SPC     | 1 700        | 22.0 | 18 | PHG SPC1700  |
|         | 1700         | 12.7 | 10 | PHG SPA1700 |         | 1 400        | 16.3 | 13 | PHG SPB1400 |         | 2 000        | 22.0 | 18 | PHG SPC2000  |
|         | 1707         | 12.7 | 10 | PHG SPA1707 |         | 1 410        | 16.3 | 13 | PHG SPB1410 |         | 2 120        | 22.0 | 18 | PHG SPC2120  |
|         | 1732         | 12.7 | 10 | PHG SPA1732 |         | 1 450        | 16.3 | 13 | PHG SPB1450 |         | 2 240        | 22.0 | 18 | PHG SPC2240  |
|         | 1750         | 12.7 | 10 | PHG SPA1750 |         | 1 465        | 16.3 | 13 | PHG SPB1465 |         | 2 360        | 22.0 | 18 | PHG SPC2360  |
|         | 1757         | 12.7 | 10 | PHG SPA1757 |         | 1 500        | 16.3 | 13 | PHG SPB1500 |         | 2 500        | 22.0 | 18 | PHG SPC2500  |
|         | 1782         | 12.7 | 10 | PHG SPA1782 |         | 1 510        | 16.3 | 13 | PHG SPB1510 |         | 2 650        | 22.0 | 18 | PHG SPC2650  |
|         | 1800         | 12.7 | 10 | PHG SPA1800 |         | 1 525        | 16.3 | 13 | PHG SPB1525 |         | 2 800        | 22.0 | 18 | PHG SPC2800  |
|         | 1807         | 12.7 | 10 | PHG SPA1807 |         | 1 590        | 16.3 | 13 | PHG SPB1590 |         | 3 000        | 22.0 | 18 | PHG SPC3000  |
|         | 1820         | 12.7 | 10 | PHG SPA1820 |         | 1 600        | 16.3 | 13 | PHG SPB1600 |         | 3 150        | 22.0 | 18 | PHG SPC3150  |
|         | 1832         | 12.7 | 10 | PHG SPA1832 |         | 1 650        | 16.3 | 13 | PHG SPB1650 |         | 3 350        | 22.0 | 18 | PHG SPC3350  |
|         | 1850         | 12.7 | 10 | PHG SPA1850 |         | 1 690        | 16.3 | 13 | PHG SPB1690 |         | 3 550        | 22.0 | 18 | PHG SPC3550  |
|         | 1857         | 12.7 | 10 | PHG SPA1857 |         | 1 700        | 16.3 | 13 | PHG SPB1700 |         | 3 750        | 22.0 | 18 | PHG SPC3750  |
|         | 1882         | 12.7 | 10 | PHG SPA1882 |         | 1 720        | 16.3 | 13 | PHG SPB1720 |         | 4 000        | 22.0 | 18 | PHG SPC4000  |
|         | 1900         | 12.7 | 10 | PHG SPA1900 |         | 1 750        | 16.3 | 13 | PHG SPB1750 |         | 4 250        | 22.0 | 18 | PHG SPC4250  |
|         | 1907         | 12.7 | 10 | PHG SPA1907 |         | 1 800        | 16.3 | 13 | PHG SPB1800 |         | 4 500        | 22.0 | 18 | PHG SPC4500  |
|         | 1932         | 12.7 | 10 | PHG SPA1932 |         | 1 850        | 16.3 | 13 | PHG SPB1850 |         | 4 750        | 22.0 | 18 | PHG SPC4750  |
|         | 1950         | 12.7 | 10 | PHG SPA1950 |         | 1 900        | 16.3 | 13 | PHG SPB1900 |         | 5 000        | 22.0 | 18 | PHG SPC5000  |
|         | 1957         | 12.7 | 10 | PHG SPA1957 |         | 2 000        | 16.3 | 13 | PHG SPB2000 |         | 5 300        | 22.0 | 18 | PHG SPC5300  |
|         | 1982         | 12.7 | 10 | PHG SPA1982 |         | 2 020        | 16.3 | 13 | PHG SPB2020 |         | 5 600        | 22.0 | 18 | PHG SPC5600  |
|         | 2 000        | 12.7 | 10 | PHG SPA2000 |         | 2 060        | 16.3 | 13 | PHG SPB2060 |         | 6 000        | 22.0 | 18 | PHG SPC6000  |
|         | 2 032        | 12.7 | 10 | PHG SPA2032 |         | 2 120        | 16.3 | 13 | PHG SPB2120 |         | 6 300        | 22.0 | 18 | PHG SPC6300  |
|         | 2 057        | 12.7 | 10 | PHG SPA2057 |         | 2 150        | 16.3 | 13 | PHG SPB2150 |         | 6 700        | 22.0 | 18 | PHG SPC6700  |
|         | 2 060        | 12.7 | 10 | PHG SPA2060 |         | 2 180        | 16.3 | 13 | PHG SPB2180 |         | 7 100        | 22.0 | 18 | PHG SPC7100  |
|         | 2 082        | 12.7 | 10 | PHG SPA2082 |         | 2 240        | 16.3 | 13 | PHG SPB2240 |         | 7 500        | 22.0 | 18 | PHG SPC7500  |
|         | 2 120        | 12.7 | 10 | PHG SPA2120 |         | 2 280        | 16.3 | 13 | PHG SPB2280 |         | 8 000        | 22.0 | 18 | PHG SPC8000  |
|         | 2 132        | 12.7 | 10 | PHG SPA2132 |         | 2 360        | 16.3 | 13 | PHG SPB2360 |         | 8 500        | 22.0 | 18 | PHG SPC8500  |
|         | 2 160        | 12.7 | 10 | PHG SPA2160 |         | 2 410        | 16.3 | 13 | PHG SPB2410 |         | 9 000        | 22.0 | 18 | PHG SPC9000  |
|         | 2 182        | 12.7 | 10 | PHG SPA2182 |         | 2 430        | 16.3 | 13 | PHG SPB2430 |         | 9 500        | 22.0 | 18 | PHG SPC9500  |
|         | 2 207        | 12.7 | 10 | PHG SPA2207 |         | 2 500        | 16.3 | 13 | PHG SPB2500 |         | 10 000       | 22.0 | 18 | PHG SPC10000 |
|         | 2 232        | 12.7 | 10 | PHG SPA2232 |         | 2 530        | 16.3 | 13 | PHG SPB2530 |         | 10 600       | 22.0 | 18 | PHG SPC10600 |
|         | 2 240        | 12.7 | 10 | PHG SPA2240 |         | 2 580        | 16.3 | 13 | PHG SPB2580 |         | 11 200       | 22.0 | 18 | PHG SPC11200 |
|         | 2 282        | 12.7 | 10 | PHG SPA2282 |         | 2 600        | 16.3 | 13 | PHG SPB2600 |         | 11 800       | 22.0 | 18 | PHG SPC11800 |
|         | 2 300        | 12.7 | 10 | PHG SPA2300 |         | 2 650        | 16.3 | 13 | PHG SPB2650 |         | 12 500       | 22.0 | 18 | PHG SPC12500 |
|         | 2 307        | 12.7 | 10 | PHG SPA2307 |         | 2 680        | 16.3 | 13 | PHG SPB2680 |         |              |      |    |              |
|         | 2 332        | 12.7 | 10 | PHG SPA2332 |         | 2 700        | 16.3 | 13 | PHG SPB2700 |         |              |      |    |              |
|         | 2 360        | 12.7 | 10 | PHG SPA2360 |         | 2 800        | 16.3 | 13 | PHG SPB2800 |         |              |      |    |              |
|         | 2 382        | 12.7 | 10 | PHG SPA2382 |         | 2 840        | 16.3 | 13 | PHG SPB2840 |         |              |      |    |              |
|         | 2 430        | 12.7 | 10 | PHG SPA2430 |         | 2 900        | 16.3 | 13 | PHG SPB2900 |         |              |      |    |              |
|         | 2 432        | 12.7 | 10 | PHG SPA2432 |         | 2 990        | 16.3 | 13 | PHG SPB2990 |         |              |      |    |              |
|         | 2 482        | 12.7 | 10 | PHG SPA2482 |         | 3 000        | 16.3 | 13 | PHG SPB3000 |         |              |      |    |              |
|         | 2 500        | 12.7 | 10 | PHG SPA2500 |         | 3 070        | 16.3 | 13 | PHG SPB3070 |         |              |      |    |              |
|         | 2 532        | 12.7 | 10 | PHG SPA2532 |         | 3 150        | 16.3 | 13 | PHG SPB3150 |         |              |      |    |              |
|         | 2 582        | 12.7 | 10 | PHG SPA2582 |         | 3 250        | 16.3 | 13 | PHG SPB3250 |         |              |      |    |              |
|         | 2 607        | 12.7 | 10 | PHG SPA2607 |         | 3 350        | 16.3 | 13 | PHG SPB3350 |         |              |      |    |              |

Non-standard lengths are also available.

# Wrapped classical belts 10/Z

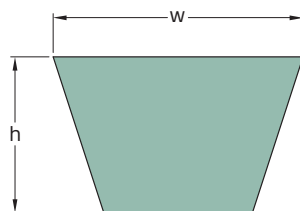


| Section | Dimensions   |               |       | w  | h | Designation |
|---------|--------------|---------------|-------|----|---|-------------|
|         | Pitch length | Inside length |       |    |   |             |
| –       | mm           | in.           | mm    |    |   | –           |
| 10/Z    | 396          | 370           | 14.50 | 10 | 6 | PHG Z14.5   |
|         | 401          | 375           | 14.75 | 10 | 6 | PHG Z14.75  |
|         | 406          | 380           | 15.00 | 10 | 6 | PHG Z15     |
|         | 416          | 390           | 15.25 | 10 | 6 | PHG Z15.25  |
|         | 421          | 395           | 15.50 | 10 | 6 | PHG Z15.5   |
|         | 432          | 405           | 16.00 | 10 | 6 | PHG Z16     |
|         | 446          | 420           | 16.50 | 10 | 6 | PHG Z16.5   |
|         | 451          | 425           | 16.75 | 10 | 6 | PHG Z16.75  |
|         | 456          | 430           | 17.00 | 10 | 6 | PHG Z17     |
|         | 471          | 445           | 17.50 | 10 | 6 | PHG Z17.5   |
|         | 481          | 455           | 18.00 | 10 | 6 | PHG Z18     |
|         | 496          | 470           | 18.50 | 10 | 6 | PHG Z18.5   |
|         | 509          | 483           | 19.00 | 10 | 6 | PHG Z19     |
|         | 531          | 505           | 20.00 | 10 | 6 | PHG Z20     |
|         | 541          | 515           | 20.25 | 10 | 6 | PHG Z20.25  |
|         | 545          | 533           | 21.00 | 10 | 6 | PHG Z21     |
|         | 570          | 559           | 22.00 | 10 | 6 | PHG Z22     |
|         | 600          | 585           | 23.00 | 10 | 6 | PHG Z23     |
|         | 616          | 590           | 23.25 | 10 | 6 | PHG Z23.25  |
|         | 626          | 600           | 23.50 | 10 | 6 | PHG Z23.5   |
|         | 631          | 605           | 23.75 | 10 | 6 | PHG Z23.75  |
|         | 636          | 610           | 24.00 | 10 | 6 | PHG Z24     |
|         | 646          | 620           | 24.50 | 10 | 6 | PHG Z24.5   |
|         | 656          | 630           | 24.75 | 10 | 6 | PHG Z24.75  |
|         | 661          | 635           | 25.00 | 10 | 6 | PHG Z25     |
|         | 667          | 640           | 25.25 | 10 | 6 | PHG Z25.25  |
|         | 677          | 650           | 25.50 | 10 | 6 | PHG Z25.5   |
|         | 682          | 655           | 25.75 | 10 | 6 | PHG Z25.75  |
|         | 686          | 660           | 26.00 | 10 | 6 | PHG Z26     |
|         | 706          | 680           | 26.25 | 10 | 6 | PHG Z26.25  |
|         | 711          | 685           | 27.00 | 10 | 6 | PHG Z27     |
|         | 716          | 690           | 27.25 | 10 | 6 | PHG Z27.25  |
|         | 737          | 711           | 28.00 | 10 | 6 | PHG Z28     |
|         | 751          | 735           | 29.00 | 10 | 6 | PHG Z29     |
|         | 788          | 762           | 30.00 | 10 | 6 | PHG Z30     |
|         | 801          | 775           | 30.50 | 10 | 6 | PHG Z30.5   |
|         | 806          | 780           | 30.75 | 10 | 6 | PHG Z30.75  |
|         | 816          | 790           | 31.00 | 10 | 6 | PHG Z31     |
|         | 831          | 805           | 31.75 | 10 | 6 | PHG Z31.75  |
|         | 836          | 810           | 32.00 | 10 | 6 | PHG Z32     |
|         | 856          | 830           | 32.75 | 10 | 6 | PHG Z32.75  |
|         | 866          | 840           | 33.00 | 10 | 6 | PHG Z33     |
|         | 890          | 864           | 34.00 | 10 | 6 | PHG Z34     |
|         | 901          | 875           | 34.50 | 10 | 6 | PHG Z34.5   |
|         | 911          | 885           | 34.75 | 10 | 6 | PHG Z34.75  |
|         | 916          | 890           | 35.00 | 10 | 6 | PHG Z35     |
|         | 921          | 895           | 35.25 | 10 | 6 | PHG Z35.25  |
|         | 926          | 900           | 35.50 | 10 | 6 | PHG Z35.5   |
|         | 936          | 910           | 35.75 | 10 | 6 | PHG Z35.75  |
|         | 941          | 915           | 36.00 | 10 | 6 | PHG Z36     |
|         | 956          | 930           | 36.50 | 10 | 6 | PHG Z36.5   |
|         | 961          | 935           | 36.75 | 10 | 6 | PHG Z36.75  |
|         | 966          | 940           | 37.00 | 10 | 6 | PHG Z37     |
|         | 971          | 945           | 37.25 | 10 | 6 | PHG Z37.25  |
|         | 979          | 953           | 37.5  | 10 | 6 | PHG Z37.5   |

| Section | Dimensions   |               |       | w  | h | Designation |
|---------|--------------|---------------|-------|----|---|-------------|
|         | Pitch length | Inside length |       |    |   |             |
| –       | mm           | in.           | mm    |    |   | –           |
| 10/Z    | 986          | 960           | 37.75 | 10 | 6 | PHG Z37.75  |
|         | 991          | 965           | 38.00 | 10 | 6 | PHG Z38     |
|         | 996          | 970           | 38.25 | 10 | 6 | PHG Z38.25  |
|         | 1016         | 990           | 39.00 | 10 | 6 | PHG Z39     |
|         | 1031         | 1005          | 39.50 | 10 | 6 | PHG Z39.5   |
|         | 1042         | 1016          | 40.00 | 10 | 6 | PHG Z40     |
|         | 1067         | 1041          | 41.00 | 10 | 6 | PHG Z41     |
|         | 1091         | 1065          | 42.00 | 10 | 6 | PHG Z42     |
|         | 1106         | 1080          | 42.50 | 10 | 6 | PHG Z42.5   |
|         | 1116         | 1090          | 43.00 | 10 | 6 | PHG Z43     |
|         | 1144         | 1118          | 44.00 | 10 | 6 | PHG Z44     |
|         | 1166         | 1140          | 45.00 | 10 | 6 | PHG Z45     |
|         | 1176         | 1150          | 45.25 | 10 | 6 | PHG Z45.25  |
|         | 1194         | 1168          | 46.00 | 10 | 6 | PHG Z46     |
|         | 1220         | 1194          | 47.00 | 10 | 6 | PHG Z47     |
|         | 1245         | 1219          | 48.00 | 10 | 6 | PHG Z48     |
|         | 1251         | 1225          | 48.25 | 10 | 6 | PHG Z48.25  |
|         | 1256         | 1230          | 48.50 | 10 | 6 | PHG Z48.5   |
|         | 1271         | 1245          | 49.00 | 10 | 6 | PHG Z49     |
|         | 1296         | 1270          | 50.00 | 10 | 6 | PHG Z50     |
|         | 1321         | 1295          | 51.00 | 10 | 6 | PHG Z51     |
|         | 1347         | 1321          | 52.00 | 10 | 6 | PHG Z52     |
|         | 1372         | 1346          | 53.00 | 10 | 6 | PHG Z53     |
|         | 1398         | 1372          | 54.00 | 10 | 6 | PHG Z54     |
|         | 1423         | 1397          | 55.00 | 10 | 6 | PHG Z55     |
|         | 1448         | 1422          | 56.00 | 10 | 6 | PHG Z56     |
|         | 1474         | 1448          | 57.00 | 10 | 6 | PHG Z57     |
|         | 1525         | 1499          | 59.00 | 10 | 6 | PHG Z59     |
|         | 1550         | 1524          | 60.00 | 10 | 6 | PHG Z60     |
|         | 1575         | 1549          | 61.00 | 10 | 6 | PHG Z61     |
|         | 1601         | 1575          | 62.00 | 10 | 6 | PHG Z62     |
|         | 1626         | 1600          | 63.00 | 10 | 6 | PHG Z63     |
|         | 1652         | 1626          | 64.00 | 10 | 6 | PHG Z64     |
|         | 1677         | 1651          | 65.00 | 10 | 6 | PHG Z65     |
|         | 1702         | 1676          | 66.00 | 10 | 6 | PHG Z66     |
|         | 1728         | 1702          | 67.00 | 10 | 6 | PHG Z67     |
|         | 1753         | 1727          | 68.00 | 10 | 6 | PHG Z68     |
|         | 1779         | 1753          | 69.00 | 10 | 6 | PHG Z69     |
|         | 1829         | 1803          | 71.00 | 10 | 6 | PHG Z71     |
|         | 1930         | 1905          | 75.00 | 10 | 6 | PHG Z75     |
|         | 2000         | 1975          | 78.00 | 10 | 6 | PHG Z78     |
|         | 2030         | 2005          | 79.00 | 10 | 6 | PHG Z79     |
|         | 2520         | 2495          | 98.25 | 10 | 6 | PHG Z98.25  |

Non-standard lengths are also available.

# Wrapped classical belts 13/A

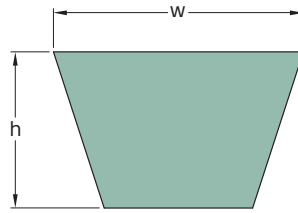


A

| Section | Dimensions   |               |       |    |   |            | Designation | Section | Dimensions   |               |    |          |         |  | Designation |
|---------|--------------|---------------|-------|----|---|------------|-------------|---------|--------------|---------------|----|----------|---------|--|-------------|
|         | Pitch length | Inside length |       |    |   |            |             |         | Pitch length | Inside length |    |          |         |  |             |
|         |              |               | w     | h  |   |            |             |         |              |               | w  | h        |         |  |             |
| –       | mm           | in.           | mm    |    | – |            | –           | mm      | in.          | mm            |    |          | –       |  |             |
| 13/A    | 439          | 406           | 16.00 | 13 | 8 | PHG A16    | 13/A        | 1684    | 1651         | 65.00         | 13 | 8        | PHG A65 |  |             |
|         | 490          | 457           | 18.00 | 13 | 8 | PHG A18    | 1709        | 1676    | 66.00        | 13            | 8  | PHG A66  |         |  |             |
|         | 516          | 483           | 19.00 | 13 | 8 | PHG A19    | 1740        | 1702    | 67.00        | 13            | 8  | PHG A67  |         |  |             |
|         | 541          | 508           | 20.00 | 13 | 8 | PHG A20    | 1760        | 1727    | 68.00        | 13            | 8  | PHG A68  |         |  |             |
|         | 566          | 533           | 21.00 | 13 | 8 | PHG A21    | 1790        | 1753    | 69.00        | 13            | 8  | PHG A69  |         |  |             |
|         | 592          | 559           | 22.00 | 13 | 8 | PHG A22    | 1810        | 1778    | 70.00        | 13            | 8  | PHG A70  |         |  |             |
|         | 603          | 570           | 22.50 | 13 | 8 | PHG A22.5  | 1840        | 1803    | 71.00        | 13            | 8  | PHG A71  |         |  |             |
|         | 618          | 585           | 23.00 | 13 | 8 | PHG A23    | 1860        | 1829    | 72.00        | 13            | 8  | PHG A72  |         |  |             |
|         | 643          | 610           | 24.00 | 13 | 8 | PHG A24    | 1890        | 1854    | 73.00        | 13            | 8  | PHG A73  |         |  |             |
|         | 668          | 635           | 25.00 | 13 | 8 | PHG A25    | 1920        | 1880    | 74.00        | 13            | 8  | PHG A74  |         |  |             |
|         | 681          | 648           | 25.50 | 13 | 8 | PHG A25.5  | 1940        | 1905    | 75.00        | 13            | 8  | PHG A75  |         |  |             |
|         | 693          | 660           | 26.00 | 13 | 8 | PHG A26    | 1960        | 1930    | 76.00        | 13            | 8  | PHG A76  |         |  |             |
|         | 719          | 686           | 27.00 | 13 | 8 | PHG A27    | 1990        | 1956    | 77.00        | 13            | 8  | PHG A77  |         |  |             |
|         | 744          | 711           | 28.00 | 13 | 8 | PHG A28    | 2020        | 1981    | 78.00        | 13            | 8  | PHG A78  |         |  |             |
|         | 770          | 737           | 29.00 | 13 | 8 | PHG A29    | 2050        | 2005    | 79.00        | 13            | 8  | PHG A79  |         |  |             |
|         | 785          | 762           | 30.00 | 13 | 8 | PHG A30    | 2070        | 2032    | 80.00        | 13            | 8  | PHG A80  |         |  |             |
|         | 813          | 780           | 30.75 | 13 | 8 | PHG A30.75 | 2090        | 2057    | 81.00        | 13            | 8  | PHG A81  |         |  |             |
|         | 818          | 785           | 31.00 | 13 | 8 | PHG A31    | 2120        | 2083    | 82.00        | 13            | 8  | PHG A82  |         |  |             |
|         | 846          | 813           | 32.00 | 13 | 8 | PHG A32    | 2140        | 2108    | 83.00        | 13            | 8  | PHG A83  |         |  |             |
|         | 871          | 838           | 33.00 | 13 | 8 | PHG A33    | 2170        | 2134    | 84.00        | 13            | 8  | PHG A84  |         |  |             |
|         | 883          | 850           | 33.50 | 13 | 8 | PHG A33.5  | 2200        | 2159    | 85.00        | 13            | 8  | PHG A85  |         |  |             |
|         | 888          | 855           | 33.75 | 13 | 8 | PHG A33.75 | 2220        | 2184    | 86.00        | 13            | 8  | PHG A86  |         |  |             |
|         | 893          | 860           | 34.00 | 13 | 8 | PHG A34    | 2240        | 2210    | 87.00        | 13            | 8  | PHG A87  |         |  |             |
|         | 922          | 889           | 35.00 | 13 | 8 | PHG A35    | 2270        | 2235    | 88.00        | 13            | 8  | PHG A88  |         |  |             |
|         | 947          | 914           | 36.00 | 13 | 8 | PHG A36    | 2300        | 2261    | 89.00        | 13            | 8  | PHG A89  |         |  |             |
|         | 973          | 940           | 37.00 | 13 | 8 | PHG A37    | 2320        | 2286    | 90.00        | 13            | 8  | PHG A90  |         |  |             |
|         | 998          | 965           | 38.00 | 13 | 8 | PHG A38    | 2350        | 2311    | 91.00        | 13            | 8  | PHG A91  |         |  |             |
|         | 1023         | 990           | 39.00 | 13 | 8 | PHG A39    | 2370        | 2337    | 92.00        | 13            | 8  | PHG A92  |         |  |             |
|         | 1049         | 1016          | 40.00 | 13 | 8 | PHG A40    | 2400        | 2362    | 93.00        | 13            | 8  | PHG A93  |         |  |             |
|         | 1074         | 1041          | 41.00 | 13 | 8 | PHG A41    | 2420        | 2388    | 94.00        | 13            | 8  | PHG A94  |         |  |             |
|         | 1100         | 1067          | 42.00 | 13 | 8 | PHG A42    | 2450        | 2413    | 95.00        | 13            | 8  | PHG A95  |         |  |             |
|         | 1133         | 1090          | 43.00 | 13 | 8 | PHG A43    | 2480        | 2438    | 96.00        | 13            | 8  | PHG A96  |         |  |             |
|         | 1151         | 1118          | 44.00 | 13 | 8 | PHG A44    | 2500        | 2464    | 97.00        | 13            | 8  | PHG A97  |         |  |             |
|         | 1176         | 1143          | 45.00 | 13 | 8 | PHG A45    | 2520        | 2490    | 98.00        | 13            | 8  | PHG A98  |         |  |             |
|         | 1201         | 1168          | 46.00 | 13 | 8 | PHG A46    | 2550        | 2515    | 99.00        | 13            | 8  | PHG A99  |         |  |             |
|         | 1228         | 1195          | 47.00 | 13 | 8 | PHG A47    | 2570        | 2540    | 100.00       | 13            | 8  | PHG A100 |         |  |             |
|         | 1243         | 1210          | 47.50 | 13 | 8 | PHG A47.5  | 2630        | 2591    | 102.00       | 13            | 8  | PHG A102 |         |  |             |
|         | 1252         | 1219          | 48.00 | 13 | 8 | PHG A48    | 2680        | 2640    | 104.00       | 13            | 8  | PHG A104 |         |  |             |
|         | 1263         | 1230          | 48.50 | 13 | 8 | PHG A48.5  | 2700        | 2667    | 105.00       | 13            | 8  | PHG A105 |         |  |             |
|         | 1278         | 1245          | 49.00 | 13 | 8 | PHG A49    | 2750        | 2715    | 107.00       | 13            | 8  | PHG A107 |         |  |             |
|         | 1303         | 1270          | 50.00 | 13 | 8 | PHG A50    | 2780        | 2743    | 108.00       | 13            | 8  | PHG A108 |         |  |             |
|         | 1328         | 1295          | 51.00 | 13 | 8 | PHG A51    | 2830        | 2795    | 110.00       | 13            | 8  | PHG A110 |         |  |             |
|         | 1354         | 1321          | 52.00 | 13 | 8 | PHG A52    | 2854        | 2820    | 111.00       | 13            | 8  | PHG A111 |         |  |             |
|         | 1379         | 1346          | 53.00 | 13 | 8 | PHG A53    | 2880        | 2845    | 112.00       | 13            | 8  | PHG A112 |         |  |             |
|         | 1405         | 1372          | 54.00 | 13 | 8 | PHG A54    | 2930        | 2896    | 114.00       | 13            | 8  | PHG A114 |         |  |             |
|         | 1430         | 1397          | 55.00 | 13 | 8 | PHG A55    | 2979        | 2946    | 116.00       | 13            | 8  | PHG A116 |         |  |             |
|         | 1455         | 1422          | 56.00 | 13 | 8 | PHG A56    | 3030        | 2997    | 118.00       | 13            | 8  | PHG A118 |         |  |             |
|         | 1481         | 1448          | 57.00 | 13 | 8 | PHG A57    | 3081        | 3048    | 120.00       | 13            | 8  | PHG A120 |         |  |             |
|         | 1506         | 1473          | 58.00 | 13 | 8 | PHG A58    | 3183        | 3150    | 124.00       | 13            | 8  | PHG A124 |         |  |             |
|         | 1532         | 1499          | 59.00 | 13 | 8 | PHG A59    | 3284        | 3251    | 128.00       | 13            | 8  | PHG A128 |         |  |             |
|         | 1557         | 1524          | 60.00 | 13 | 8 | PHG A60    | 3335        | 3302    | 130.00       | 13            | 8  | PHG A130 |         |  |             |
|         | 1582         | 1549          | 61.00 | 13 | 8 | PHG A61    | 3386        | 3353    | 132.00       | 13            | 8  | PHG A132 |         |  |             |
|         | 1608         | 1575          | 62.00 | 13 | 8 | PHG A62    | 3487        | 3454    | 136.00       | 13            | 8  | PHG A136 |         |  |             |
|         | 1633         | 1600          | 63.00 | 13 | 8 | PHG A63    | 3588        | 3555    | 140.00       | 13            | 8  | PHG A140 |         |  |             |
|         | 1659         | 1626          | 64.00 | 13 | 8 | PHG A64    | 3691        | 3658    | 144.00       | 13            | 8  | PHG A144 |         |  |             |

Non-standard lengths are also available.

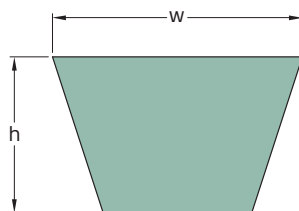
Wrapped classical belts  
13/A | 17/B



| Section | Dimensions   |               |        |    |    | Designation |
|---------|--------------|---------------|--------|----|----|-------------|
|         | Pitch length | Inside length |        | w  | h  |             |
| –       | mm           | in.           |        | mm |    | –           |
| 13/A    | 3 793        | 3 760         | 148.00 | 13 | 8  | PHG A148    |
|         | 3 843        | 3 810         | 150.00 | 13 | 8  | PHG A150    |
|         | 4 038        | 4 005         | 157.75 | 13 | 8  | PHG A157.75 |
|         | 4 043        | 4 015         | 158.00 | 13 | 8  | PHG A158    |
|         | 4 073        | 4 040         | 159.00 | 13 | 8  | PHG A159    |
|         | 4 274        | 4 240         | 167.00 | 13 | 8  | PHG A167    |
|         | 4 424        | 4 394         | 173.00 | 13 | 8  | PHG A173    |
|         | 4 784        | 4 750         | 187.00 | 13 | 8  | PHG A187    |
|         |              |               |        |    |    |             |
|         |              |               |        |    |    |             |
| 17/B    | 615          | 570           | 22.50  | 17 | 11 | PHG B22.5   |
|         | 624          | 585           | 23.00  | 17 | 11 | PHG B23     |
|         | 650          | 610           | 24.00  | 17 | 11 | PHG B24     |
|         | 675          | 635           | 25.00  | 17 | 11 | PHG B25     |
|         | 693          | 648           | 25.5   | 17 | 11 | PHG B25.5   |
|         |              |               |        |    |    |             |
|         | 700          | 660           | 26.00  | 17 | 11 | PHG B26     |
|         | 713          | 668           | 26.25  | 17 | 11 | PHG B26.25  |
|         | 730          | 686           | 27.00  | 17 | 11 | PHG B27     |
|         | 750          | 711           | 28.00  | 17 | 11 | PHG B28     |
|         | 770          | 736           | 29.00  | 17 | 11 | PHG B29     |
|         |              |               |        |    |    |             |
|         | 795          | 750           | 29.5   | 17 | 11 | PHG B29.5   |
|         | 800          | 755           | 29.75  | 17 | 11 | PHG B29.75  |
|         | 805          | 760           | 30.00  | 17 | 11 | PHG B30     |
|         | 820          | 775           | 30.5   | 17 | 11 | PHG B30.5   |
|         | 830          | 785           | 31.00  | 17 | 11 | PHG B31     |
|         |              |               |        |    |    |             |
|         | 840          | 795           | 31.25  | 17 | 11 | PHG B31.25  |
|         | 845          | 800           | 31.5   | 17 | 11 | PHG B31.5   |
|         | 850          | 805           | 31.75  | 17 | 11 | PHG B31.75  |
|         | 860          | 812           | 32.00  | 17 | 11 | PHG B32     |
|         | 864          | 819           | 32.25  | 17 | 11 | PHG B32.25  |
|         |              |               |        |    |    |             |
|         | 880          | 838           | 33.00  | 17 | 11 | PHG B33     |
|         | 895          | 850           | 33.5   | 17 | 11 | PHG B33.5   |
|         | 900          | 855           | 33.75  | 17 | 11 | PHG B33.75  |
|         | 910          | 860           | 34.00  | 17 | 11 | PHG B34     |
|         | 930          | 889           | 35.00  | 17 | 11 | PHG B35     |
|         |              |               |        |    |    |             |
|         | 945          | 900           | 35.5   | 17 | 11 | PHG B35.5   |
|         | 950          | 905           | 35.75  | 17 | 11 | PHG B35.75  |
|         | 960          | 910           | 36.00  | 17 | 11 | PHG B36     |
|         | 965          | 920           | 36.25  | 17 | 11 | PHG B36.25  |
|         | 975          | 930           | 36.5   | 17 | 11 | PHG B36.5   |
|         |              |               |        |    |    |             |
|         | 980          | 940           | 37.00  | 17 | 11 | PHG B37     |
|         | 1000         | 965           | 38.00  | 17 | 11 | PHG B38     |
|         | 1035         | 990           | 39.00  | 17 | 11 | PHG B39     |
|         | 1045         | 1000          | 39.25  | 17 | 11 | PHG B39.25  |
|         | 1050         | 1005          | 39.5   | 17 | 11 | PHG B39.5   |
|         |              |               |        |    |    |             |
|         | 1060         | 1016          | 40.00  | 17 | 11 | PHG B40     |
|         | 1080         | 1041          | 41.00  | 17 | 11 | PHG B41     |
|         | 1100         | 1065          | 42.00  | 17 | 11 | PHG B42     |
|         | 1130         | 1092          | 43.00  | 17 | 11 | PHG B43     |
|         | 1160         | 1118          | 44.00  | 17 | 11 | PHG B44     |
|         |              |               |        |    |    |             |
|         | 1180         | 1145          | 45.00  | 17 | 11 | PHG B45     |
|         | 1200         | 1155          | 45.5   | 17 | 11 | PHG B45.5   |
|         | 1210         | 1170          | 46.00  | 17 | 11 | PHG B46     |
|         | 1240         | 1195          | 47.00  | 17 | 11 | PHG B47     |
|         | 1260         | 1219          | 48.00  | 17 | 11 | PHG B48     |

| Section | Dimensions   |               |        |    |    | Designation |
|---------|--------------|---------------|--------|----|----|-------------|
|         | Pitch length | Inside length |        | w  | h  |             |
| –       | mm           | in.           |        | mm |    | –           |
| 17/B    | 1 290        | 1 245         | 49.00  | 17 | 11 | PHG B49     |
|         | 1 310        | 1 270         | 50.00  | 17 | 11 | PHG B50     |
|         | 1 340        | 1 295         | 51.00  | 17 | 11 | PHG B51     |
|         | 1 370        | 1 321         | 52.00  | 17 | 11 | PHG B52     |
|         | 1 390        | 1 346         | 53.00  | 17 | 11 | PHG B53     |
|         |              |               |        |    |    |             |
|         | 1 410        | 1 372         | 54.00  | 17 | 11 | PHG B54     |
|         | 1 440        | 1 397         | 55.00  | 17 | 11 | PHG B55     |
|         | 1 460        | 1 422         | 56.00  | 17 | 11 | PHG B56     |
|         | 1 490        | 1 448         | 57.00  | 17 | 11 | PHG B57     |
|         | 1 510        | 1 473         | 58.00  | 17 | 11 | PHG B58     |
| 17/B    | 1 540        | 1 499         | 59.00  | 17 | 11 | PHG B59     |
|         | 1 560        | 1 524         | 60.00  | 17 | 11 | PHG B60     |
|         | 1 590        | 1 549         | 61.00  | 17 | 11 | PHG B61     |
|         | 1 620        | 1 575         | 62.00  | 17 | 11 | PHG B62     |
|         | 1 640        | 1 600         | 63.00  | 17 | 11 | PHG B63     |
|         |              |               |        |    |    |             |
|         | 1 670        | 1 626         | 64.00  | 17 | 11 | PHG B64     |
|         | 1 690        | 1 651         | 65.00  | 17 | 11 | PHG B65     |
|         | 1 720        | 1 676         | 66.00  | 17 | 11 | PHG B66     |
|         | 1 740        | 1 702         | 67.00  | 17 | 11 | PHG B67     |
|         | 1 760        | 1 727         | 68.00  | 17 | 11 | PHG B68     |
|         |              |               |        |    |    |             |
|         | 1 800        | 1 753         | 69.00  | 17 | 11 | PHG B69     |
|         | 1 820        | 1 778         | 70.00  | 17 | 11 | PHG B70     |
|         | 1 850        | 1 803         | 71.00  | 17 | 11 | PHG B71     |
|         | 1 870        | 1 829         | 72.00  | 17 | 11 | PHG B72     |
|         | 1 900        | 1 854         | 73.00  | 17 | 11 | PHG B73     |
|         |              |               |        |    |    |             |
|         | 1 920        | 1 880         | 74.00  | 17 | 11 | PHG B74     |
|         | 1 950        | 1 905         | 75.00  | 17 | 11 | PHG B75     |
|         | 1 970        | 1 930         | 76.00  | 17 | 11 | PHG B76     |
|         | 2 000        | 1 956         | 77.00  | 17 | 11 | PHG B77     |
|         | 2 020        | 1 981         | 78.00  | 17 | 11 | PHG B78     |
|         |              |               |        |    |    |             |
|         | 2 050        | 2 005         | 79.00  | 17 | 11 | PHG B79     |
|         | 2 070        | 2 032         | 80.00  | 17 | 11 | PHG B80     |
|         | 2 100        | 2 057         | 81.00  | 17 | 11 | PHG B81     |
|         | 2 130        | 2 083         | 82.00  | 17 | 11 | PHG B82     |
|         | 2 150        | 2 108         | 83.00  | 17 | 11 | PHG B83     |
|         |              |               |        |    |    |             |
|         | 2 180        | 2 134         | 84.00  | 17 | 11 | PHG B84     |
|         | 2 200        | 2 159         | 85.00  | 17 | 11 | PHG B85     |
|         | 2 230        | 2 185         | 86.00  | 17 | 11 | PHG B86     |
|         | 2 250        | 2 210         | 87.00  | 17 | 11 | PHG B87     |
|         | 2 280        | 2 235         | 88.00  | 17 | 11 | PHG B88     |
|         |              |               |        |    |    |             |
|         | 2 300        | 2 261         | 89.00  | 17 | 11 | PHG B89     |
|         | 2 330        | 2 286         | 90.00  | 17 | 11 | PHG B90     |
|         | 2 350        | 2 310         | 91.00  | 17 | 11 | PHG B91     |
|         | 2 380        | 2 337         | 92.00  | 17 | 11 | PHG B92     |
|         | 2 400        | 2 362         | 93.00  | 17 | 11 | PHG B93     |
|         |              |               |        |    |    |             |
|         | 2 420        | 2 388         | 94.00  | 17 | 11 | PHG B94     |
|         | 2 450        | 2 413         | 95.00  | 17 | 11 | PHG B95     |
|         | 2 480        | 2 438         | 96.00  | 17 | 11 | PHG B96     |
|         | 2 500        | 2 464         | 97.00  | 17 | 11 | PHG B97     |
|         | 2 530        | 2 490         | 98.00  | 17 | 11 | PHG B98     |
|         |              |               |        |    |    |             |
|         | 2 560        | 2 515         | 99.00  | 17 | 11 | PHG B99     |
|         | 2 580        | 2 540         | 100.00 | 17 | 11 | PHG B100    |
|         | 2 610        | 2 565         | 101.00 | 17 | 11 | PHG B101    |
|         | 2 630        | 2 590         | 102.00 | 17 | 11 | PHG B102    |
|         | 2 660        | 2 616         | 103.00 | 17 | 11 | PHG B103    |

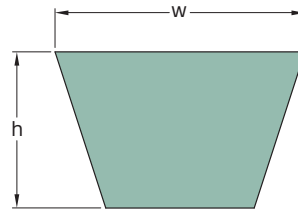
Non-standard lengths are also available.



| Section | Dimensions   |               | Designation | w  | h  |             |
|---------|--------------|---------------|-------------|----|----|-------------|
|         | Pitch length | Inside length |             |    |    |             |
| –       | mm           | in.           | –           | mm | –  | –           |
| 17/B    | 2 680        | 2 640         | 104.00      | 17 | 11 | PHG B104    |
|         | 2 700        | 2 667         | 105.00      | 17 | 11 | PHG B105    |
|         | 2 740        | 2 695         | 106.00      | 17 | 11 | PHG B106    |
|         | 2 760        | 2 718         | 107.00      | 17 | 11 | PHG B107    |
|         | 2 790        | 2 745         | 108.00      | 17 | 11 | PHG B108    |
|         | 2 815        | 2 770         | 109.00      | 17 | 11 | PHG B109    |
|         | 2 840        | 2 794         | 110.00      | 17 | 11 | PHG B110    |
|         | 2 870        | 2 825         | 111.25      | 17 | 11 | PHG B111.25 |
|         | 2 890        | 2 845         | 112.00      | 17 | 11 | PHG B112    |
|         | 2 940        | 2 896         | 114.00      | 17 | 11 | PHG B114    |
|         | 2 960        | 2 921         | 115.00      | 17 | 11 | PHG B115    |
|         | 2 990        | 2 946         | 116.00      | 17 | 11 | PHG B116    |
|         | 3 040        | 2 997         | 118.00      | 17 | 11 | PHG B118    |
|         | 3 090        | 3 048         | 120.00      | 17 | 11 | PHG B120    |
|         | 3 140        | 3 099         | 122.00      | 17 | 11 | PHG B122    |
|         | 3 200        | 3 150         | 124.00      | 17 | 11 | PHG B124    |
|         | 3 240        | 3 200         | 126.00      | 17 | 11 | PHG B126    |
|         | 3 290        | 3 251         | 128.00      | 17 | 11 | PHG B128    |
|         | 3 350        | 3 302         | 130.00      | 17 | 11 | PHG B130    |
|         | 3 400        | 3 353         | 132.00      | 17 | 11 | PHG B132    |
|         | 3 450        | 3 404         | 134.00      | 17 | 11 | PHG B134    |
|         | 3 500        | 3 454         | 136.00      | 17 | 11 | PHG B136    |
|         | 3 550        | 3 505         | 138.00      | 17 | 11 | PHG B138    |
|         | 3 600        | 3 555         | 140.00      | 17 | 11 | PHG B140    |
|         | 3 625        | 3 580         | 141.00      | 17 | 11 | PHG B141    |
|         | 3 650        | 3 605         | 142.00      | 17 | 11 | PHG B142    |
|         | 3 677        | 3 632         | 143.00      | 17 | 11 | PHG B143    |
|         | 3 700        | 3 658         | 144.00      | 17 | 11 | PHG B144    |
|         | 3 750        | 3 710         | 146.00      | 17 | 11 | PHG B146    |
|         | 3 780        | 3 735         | 147.00      | 17 | 11 | PHG B147    |
|         | 3 800        | 3 760         | 148.00      | 17 | 11 | PHG B148    |
|         | 3 850        | 3 810         | 150.00      | 17 | 11 | PHG B150    |
|         | 3 870        | 3 835         | 151.00      | 17 | 11 | PHG B151    |
|         | 3 900        | 3 861         | 152.00      | 17 | 11 | PHG B152    |
|         | 3 950        | 3 912         | 154.00      | 17 | 11 | PHG B154    |
|         | 3 980        | 3 935         | 155.00      | 17 | 11 | PHG B155    |
|         | 3 995        | 3 950         | 155.50      | 17 | 11 | PHG B155.5  |
|         | 4 010        | 3 962         | 156.00      | 17 | 11 | PHG B156    |
|         | 4 060        | 4 015         | 158.00      | 17 | 11 | PHG B158    |
|         | 4 110        | 4 064         | 160.00      | 17 | 11 | PHG B160    |
|         | 4 160        | 4 115         | 162.00      | 17 | 11 | PHG B162    |
|         | 4 200        | 4 166         | 164.00      | 17 | 11 | PHG B164    |
|         | 4 230        | 4 190         | 165.00      | 17 | 11 | PHG B165    |
|         | 4 240        | 4 195         | 165.25      | 17 | 11 | PHG B165.25 |
|         | 4 280        | 4 240         | 167.00      | 17 | 11 | PHG B167    |
|         | 4 295        | 4 250         | 167.25      | 17 | 11 | PHG B167.25 |
|         | 4 360        | 4 318         | 170.00      | 17 | 11 | PHG B170    |
|         | 4 430        | 4 394         | 173.00      | 17 | 11 | PHG B173    |
|         | 4 490        | 4 445         | 175.00      | 17 | 11 | PHG B175    |
|         | 4 540        | 4 496         | 177.00      | 17 | 11 | PHG B177    |
|         | 4 610        | 4 572         | 180.00      | 17 | 11 | PHG B180    |
|         | 4 740        | 4 699         | 185.00      | 17 | 11 | PHG B185    |
|         | 4 800        | 4 750         | 187.00      | 17 | 11 | PHG B187    |
|         | 5 000        | 4 953         | 195.00      | 17 | 11 | PHG B195    |
|         | 5 050        | 5 004         | 197.00      | 17 | 11 | PHG B197    |
| –       | mm           | in.           | –           | mm | –  | –           |
| 17/B    | 5 225        | 5 182         | 204.00      | 17 | 11 | PHG B204    |
|         | 5 275        | 5 230         | 206.00      | 17 | 11 | PHG B206    |
|         | 5 325        | 5 283         | 208.00      | 17 | 11 | PHG B208    |
|         | 5 370        | 5 334         | 210.00      | 17 | 11 | PHG B210    |
|         | 5 635        | 5 590         | 220.00      | 17 | 11 | PHG B220    |
|         | 5 645        | 5 600         | 220.50      | 17 | 11 | PHG B220.5  |
|         | 5 685        | 5 640         | 222.00      | 17 | 11 | PHG B222    |
|         | 5 760        | 5 715         | 225.00      | 17 | 11 | PHG B225    |
|         | 6 040        | 5 995         | 236.00      | 17 | 11 | PHG B236    |
|         | 6 140        | 6 096         | 240.00      | 17 | 11 | PHG B240    |
|         | 6 340        | 6 299         | 248.00      | 17 | 11 | PHG B248    |
|         | 6 745        | 6 700         | 263.75      | 17 | 11 | PHG B263.75 |
|         | 6 750        | 6 706         | 264.00      | 17 | 11 | PHG B264    |
|         | 6 775        | 6 730         | 265.00      | 17 | 11 | PHG B265    |
|         | 6 900        | 6 858         | 270.00      | 17 | 11 | PHG B270    |
|         | 7 025        | 6 985         | 275.00      | 17 | 11 | PHG B275    |
|         | 7 050        | 7 010         | 276.00      | 17 | 11 | PHG B276    |
|         | 7 145        | 7 100         | 279.50      | 17 | 11 | PHG B279.5  |
|         | 7 155        | 7 110         | 280.00      | 17 | 11 | PHG B280    |
|         | 7 665        | 7 620         | 300.00      | 17 | 11 | PHG B300    |
|         | 8 045        | 8 001         | 315.00      | 17 | 11 | PHG B315    |
| 22/C    | 1 126        | 1 067         | 42.00       | 22 | 14 | PHG C42     |
|         | 1 150        | 1 092         | 43.00       | 22 | 14 | PHG C43     |
|         | 1 250        | 1 194         | 47.00       | 22 | 14 | PHG C47     |
|         | 1 280        | 1 219         | 48.00       | 22 | 14 | PHG C48     |
|         | 1 300        | 1 245         | 49.00       | 22 | 14 | PHG C49     |
|         | 1 325        | 1 270         | 50.00       | 22 | 14 | PHG C50     |
|         | 1 350        | 1 295         | 51.00       | 22 | 14 | PHG C51     |
|         | 1 370        | 1 321         | 52.00       | 22 | 14 | PHG C52     |
|         | 1 400        | 1 346         | 53.00       | 22 | 14 | PHG C53     |
|         | 1 430        | 1 372         | 54.00       | 22 | 14 | PHG C54     |
|         | 1 450        | 1 397         | 55.00       | 22 | 14 | PHG C55     |
|         | 1 480        | 1 422         | 56.00       | 22 | 14 | PHG C56     |
|         | 1 500        | 1 448         | 57.00       | 22 | 14 | PHG C57     |
|         | 1 530        | 1 473         | 58.00       | 22 | 14 | PHG C58     |
|         | 1 560        | 1 499         | 59.00       | 22 | 14 | PHG C59     |
|         | 1 580        | 1 524         | 60.00       | 22 | 14 | PHG C60     |
|         | 1 610        | 1 549         | 61.00       | 22 | 14 | PHG C61     |
|         | 1 630        | 1 575         | 62.00       | 22 | 14 | PHG C62     |
|         | 1 650        | 1 600         | 63.00       | 22 | 14 | PHG C63     |
|         | 1 700        | 1 651         | 65.00       | 22 | 14 | PHG C65     |
|         | 1 730        | 1 676         | 66.00       | 22 | 14 | PHG C66     |
|         | 1 760        | 1 702         | 67.00       | 22 | 14 | PHG C67     |
|         | 1 780        | 1 727         | 68.00       | 22 | 14 | PHG C68     |
|         | 1 810        | 1 753         | 69.00       | 22 | 14 | PHG C69     |
|         | 1 830        | 1 778         | 70.00       | 22 | 14 | PHG C70     |
|         | 1 860        | 1 803         | 71.00       | 22 | 14 | PHG C71     |
|         | 1 880        | 1 829         | 72.00       | 22 | 14 | PHG C72     |
|         | 1 910        | 1 854         | 73.00       | 22 | 14 | PHG C73     |
|         | 1 930        | 1 880         | 74.00       | 22 | 14 | PHG C74     |
|         | 1 950        | 1 905         | 75.00       | 22 | 14 | PHG C75     |

Non-standard lengths are also available.

# Wrapped classical belts 22/C

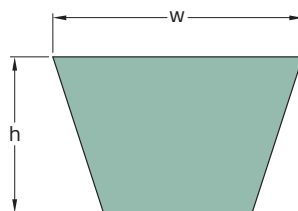


| Section | Dimensions   |               |        |    |    | Designation |
|---------|--------------|---------------|--------|----|----|-------------|
|         | Pitch length | Inside length |        |    |    |             |
|         |              |               | w      | h  |    |             |
| –       | mm           | in.           | mm     |    | –  |             |
| 22/C    | 1 990        | 1 930         | 76.00  | 22 | 14 | PHG C76     |
|         | 2 010        | 1 956         | 77.00  | 22 | 14 | PHG C77     |
|         | 2 040        | 1 981         | 78.00  | 22 | 14 | PHG C78     |
|         | 2 060        | 2 005         | 79.00  | 22 | 14 | PHG C79     |
|         | 2 090        | 2 032         | 80.00  | 22 | 14 | PHG C80     |
|         | 2 110        | 2 057         | 81.00  | 22 | 14 | PHG C81     |
|         | 2 140        | 2 083         | 82.00  | 22 | 14 | PHG C82     |
|         | 2 160        | 2 108         | 83.00  | 22 | 14 | PHG C83     |
|         | 2 190        | 2 134         | 84.00  | 22 | 14 | PHG C84     |
|         | 2 220        | 2 159         | 85.00  | 22 | 14 | PHG C85     |
|         | 2 240        | 2 184         | 86.00  | 22 | 14 | PHG C86     |
|         | 2 270        | 2 210         | 87.00  | 22 | 14 | PHG C87     |
|         | 2 290        | 2 235         | 88.00  | 22 | 14 | PHG C88     |
|         | 2 320        | 2 261         | 89.00  | 22 | 14 | PHG C89     |
|         | 2 340        | 2 286         | 90.00  | 22 | 14 | PHG C90     |
|         | 2 390        | 2 337         | 92.00  | 22 | 14 | PHG C92     |
|         | 2 420        | 2 362         | 93.00  | 22 | 14 | PHG C93     |
|         | 2 440        | 2 388         | 94.00  | 22 | 14 | PHG C94     |
|         | 2 470        | 2 413         | 95.00  | 22 | 14 | PHG C95     |
|         | 2 490        | 2 438         | 96.00  | 22 | 14 | PHG C96     |
|         | 2 520        | 2 464         | 97.00  | 22 | 14 | PHG C97     |
|         | 2 545        | 2 490         | 98.00  | 22 | 14 | PHG C98     |
|         | 2 555        | 2 500         | 98.5   | 22 | 14 | PHG C98.5   |
|         | 2 570        | 2 515         | 99.00  | 22 | 14 | PHG C99     |
|         | 2 600        | 2 540         | 100.00 | 22 | 14 | PHG C100    |
|         | 2 620        | 2 565         | 101.00 | 22 | 14 | PHG C101    |
|         | 2 650        | 2 591         | 102.00 | 22 | 14 | PHG C102    |
|         | 2 700        | 2 642         | 104.00 | 22 | 14 | PHG C104    |
|         | 2 720        | 2 667         | 105.00 | 22 | 14 | PHG C105    |
|         | 2 740        | 2 692         | 106.00 | 22 | 14 | PHG C106    |
|         | 2 800        | 2 745         | 108.00 | 22 | 14 | PHG C108    |
|         | 2 850        | 2 795         | 110.00 | 22 | 14 | PHG C110    |
|         | 2 900        | 2 845         | 112.00 | 22 | 14 | PHG C112    |
|         | 2 950        | 2 896         | 114.00 | 22 | 14 | PHG C114    |
|         | 2 980        | 2 921         | 115.00 | 22 | 14 | PHG C115    |
|         | 2 992        | 2 935         | 115.5  | 22 | 14 | PHG C115.5  |
|         | 3 000        | 2 946         | 116.00 | 22 | 14 | PHG C116    |
|         | 3 030        | 2 970         | 117.00 | 22 | 14 | PHG C117    |
|         | 3 050        | 2 997         | 118.00 | 22 | 14 | PHG C118    |
|         | 3 100        | 3 048         | 120.00 | 22 | 14 | PHG C120    |
|         | 3 160        | 3 099         | 122.00 | 22 | 14 | PHG C122    |
|         | 3 210        | 3 150         | 124.00 | 22 | 14 | PHG C124    |
|         | 3 270        | 3 200         | 126.00 | 22 | 14 | PHG C126    |
|         | 3 310        | 3 251         | 128.00 | 22 | 14 | PHG C128    |
|         | 3 360        | 3 302         | 130.00 | 22 | 14 | PHG C130    |
|         | 3 410        | 3 353         | 132.00 | 22 | 14 | PHG C132    |
|         | 3 460        | 3 404         | 134.00 | 22 | 14 | PHG C134    |
|         | 3 520        | 3 454         | 136.00 | 22 | 14 | PHG C136    |
|         | 3 560        | 3 505         | 138.00 | 22 | 14 | PHG C138    |
|         | 3 610        | 3 555         | 140.00 | 22 | 14 | PHG C140    |
|         | 3 660        | 3 607         | 142.00 | 22 | 14 | PHG C142    |
|         | 3 710        | 3 658         | 144.00 | 22 | 14 | PHG C144    |
|         | 3 760        | 3 710         | 146.00 | 22 | 14 | PHG C146    |
|         | 3 820        | 3 760         | 148.00 | 22 | 14 | PHG C148    |
|         | 3 870        | 3 810         | 150.00 | 22 | 14 | PHG C150    |
|         | 3 920        | 3 861         | 152.00 | 22 | 14 | PHG C152    |

| Section | Dimensions   |               |        |    |    | Designation |
|---------|--------------|---------------|--------|----|----|-------------|
|         | Pitch length | Inside length |        |    |    |             |
|         |              |               | w      | h  |    |             |
| –       | mm           | in.           | mm     |    | –  |             |
| 22/C    | 4 046        | 3 990         | 157.00 | 22 | 14 | PHG C157    |
|         | 4 060        | 4 015         | 158.00 | 22 | 14 | PHG C158    |
|         | 4 097        | 4 040         | 159.00 | 22 | 14 | PHG C159    |
|         | 4 160        | 4 100         | 161.50 | 22 | 14 | PHG C161.5  |
|         | 4 170        | 4 115         | 162.00 | 22 | 14 | PHG C162    |
|         | 4 280        | 4 216         | 166.00 | 22 | 14 | PHG C166    |
|         | 4 300        | 4 240         | 167.00 | 22 | 14 | PHG C167    |
|         | 4 320        | 4 267         | 168.00 | 22 | 14 | PHG C168    |
|         | 4 450        | 4 394         | 173.00 | 22 | 14 | PHG C173    |
|         | 4 500        | 4 445         | 175.00 | 22 | 14 | PHG C175    |
|         | 4 560        | 4 496         | 177.00 | 22 | 14 | PHG C177    |
|         | 4 630        | 4 572         | 180.00 | 22 | 14 | PHG C180    |
|         | 4 810        | 4 750         | 187.00 | 22 | 14 | PHG C187    |
|         | 4 880        | 4 826         | 190.00 | 22 | 14 | PHG C190    |
|         | 5 010        | 4 953         | 195.00 | 22 | 14 | PHG C195    |
|         | 5 060        | 5 004         | 197.00 | 22 | 14 | PHG C197    |
|         | 5 240        | 5 182         | 204.00 | 22 | 14 | PHG C204    |
|         | 5 340        | 5 285         | 208.00 | 22 | 14 | PHG C208    |
|         | 5 354        | 5 295         | 208.50 | 22 | 14 | PHG C208.5  |
|         | 5 380        | 5 334         | 210.00 | 22 | 14 | PHG C210    |
|         | 5 640        | 5 590         | 220.00 | 22 | 14 | PHG C220    |
|         | 5 770        | 5 715         | 225.00 | 22 | 14 | PHG C225    |
|         | 5 849        | 5 790         | 228.00 | 22 | 14 | PHG C228    |
|         | 5 900        | 5 845         | 230.00 | 22 | 14 | PHG C230    |
|         | 6 050        | 5 995         | 236.00 | 22 | 14 | PHG C236    |
|         | 6 100        | 6 045         | 238.00 | 22 | 14 | PHG C238    |
|         | 6 150        | 6 096         | 240.00 | 22 | 14 | PHG C240    |
|         | 6 360        | 6 299         | 248.00 | 22 | 14 | PHG C248    |
|         | 6 535        | 6 477         | 255.00 | 22 | 14 | PHG C255    |
|         | 6 760        | 6 706         | 264.00 | 22 | 14 | PHG C264    |
|         | 6 910        | 6 858         | 270.00 | 22 | 14 | PHG C270    |
|         | 7 170        | 7 110         | 280.00 | 22 | 14 | PHG C280    |
|         | 7 297        | 7 240         | 285.00 | 22 | 14 | PHG C285    |
|         | 7 550        | 7 495         | 295.00 | 22 | 14 | PHG C295    |
|         | 7 557        | 7 500         | 295.25 | 22 | 14 | PHG C295.25 |
|         | 7 680        | 7 620         | 300.00 | 22 | 14 | PHG C300    |
|         | 8 060        | 8 001         | 315.00 | 22 | 14 | PHG C315    |
|         | 8 338        | 8 280         | 326.00 | 22 | 14 | PHG C326    |
|         | 8 390        | 8 331         | 328.00 | 22 | 14 | PHG C328    |
|         | 8 440        | 8 382         | 330.00 | 22 | 14 | PHG C330    |
|         | 9 200        | 9 145         | 360.00 | 22 | 14 | PHG C360    |
|         | 9 970        | 9 905         | 390.00 | 22 | 14 | PHG C390    |
|         | 10 470       | 10 415        | 410.00 | 22 | 14 | PHG C410    |
|         | 10 670       | 10 617        | 418.00 | 22 | 14 | PHG C418    |
|         | 12 300       | 12 240        | 482.00 | 22 | 14 | PHG C482    |
|         | 14 536       | 14 480        | 570.00 | 22 | 14 | PHG C570    |

Non-standard lengths are also available.

# Wrapped classical belts 32/D | 38/E

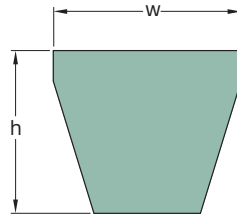


A

| Section | Dimensions   |               |        |    |    | Designation |
|---------|--------------|---------------|--------|----|----|-------------|
|         | Pitch length | Inside length |        |    |    |             |
|         |              |               | w      | h  |    |             |
| –       | mm           | in.           | mm     |    | –  |             |
| 32/D    | 2 560        | 2 490         | 98.00  | 32 | 20 | PHG D98     |
|         | 2 720        | 2 640         | 104.00 | 32 | 20 | PHG D104    |
|         | 2 740        | 2 667         | 105.00 | 32 | 20 | PHG D105    |
|         | 2 870        | 2 795         | 110.00 | 32 | 20 | PHG D110    |
|         | 3 080        | 2 997         | 118.00 | 32 | 20 | PHG D118    |
|         | 3 130        | 3 048         | 120.00 | 32 | 20 | PHG D120    |
|         | 3 225        | 3 150         | 124.00 | 32 | 20 | PHG D124    |
|         | 3 330        | 3 251         | 128.00 | 32 | 20 | PHG D128    |
|         | 3 430        | 3 353         | 132.00 | 32 | 20 | PHG D132    |
|         | 3 530        | 3 454         | 136.00 | 32 | 20 | PHG D136    |
|         | 3 555        | 3 480         | 137.00 | 32 | 20 | PHG D137    |
|         | 3 640        | 3 555         | 140.00 | 32 | 20 | PHG D140    |
|         | 3 730        | 3 658         | 144.00 | 32 | 20 | PHG D144    |
|         | 3 830        | 3 760         | 148.00 | 32 | 20 | PHG D148    |
|         | 4 080        | 4 015         | 158.00 | 32 | 20 | PHG D158    |
|         | 4 190        | 4 115         | 162.00 | 32 | 20 | PHG D162    |
|         | 4 320        | 4 240         | 167.00 | 32 | 20 | PHG D167    |
|         | 4 395        | 4 318         | 170.00 | 32 | 20 | PHG D170    |
|         | 4 470        | 4 394         | 173.00 | 32 | 20 | PHG D173    |
|         | 4 580        | 4 496         | 177.00 | 32 | 20 | PHG D177    |
|         | 4 650        | 4 572         | 180.00 | 32 | 20 | PHG D180    |
|         | 4 830        | 4 750         | 187.00 | 32 | 20 | PHG D187    |
|         | 5 030        | 4 953         | 195.00 | 32 | 20 | PHG D195    |
|         | 5 080        | 5 004         | 197.00 | 32 | 20 | PHG D197    |
|         | 5 360        | 5 285         | 208.00 | 32 | 20 | PHG D208    |
|         | 5 400        | 5 334         | 210.00 | 32 | 20 | PHG D210    |
|         | 5 665        | 5 580         | 219.75 | 32 | 20 | PHG D219.75 |
|         | 5 670        | 5 590         | 220.00 | 32 | 20 | PHG D220    |
|         | 5 790        | 5 715         | 225.00 | 32 | 20 | PHG D225    |
|         | 6 070        | 5 995         | 236.00 | 32 | 20 | PHG D236    |
|         | 6 170        | 6 096         | 240.00 | 32 | 20 | PHG D240    |
|         | 6 380        | 6 299         | 248.00 | 32 | 20 | PHG D248    |
|         | 6 425        | 6 350         | 250.00 | 32 | 20 | PHG D250    |
|         | 6 560        | 6 477         | 255.00 | 32 | 20 | PHG D255    |
|         | 6 780        | 6 706         | 264.00 | 32 | 20 | PHG D264    |
|         | 6 910        | 6 833         | 269.00 | 32 | 20 | PHG D269    |
|         | 6 940        | 6 858         | 270.00 | 32 | 20 | PHG D270    |
|         | 7 190        | 7 110         | 280.00 | 32 | 20 | PHG D280    |
|         | 7 320        | 7 239         | 285.00 | 32 | 20 | PHG D285    |
|         | 7 650        | 7 569         | 298.00 | 32 | 20 | PHG D298    |
|         | 7 700        | 7 620         | 300.00 | 32 | 20 | PHG D300    |
|         | 8 085        | 8 001         | 315.00 | 32 | 20 | PHG D315    |
|         | 8 415        | 8 331         | 328.00 | 32 | 20 | PHG D328    |
|         | 8 465        | 8 382         | 330.00 | 32 | 20 | PHG D330    |
|         | 8 595        | 8 510         | 335.00 | 32 | 20 | PHG D335    |
|         | 9 080        | 8 995         | 354.00 | 32 | 20 | PHG D354    |
|         | 9 220        | 9 144         | 360.00 | 32 | 20 | PHG D360    |
|         | 9 580        | 9 500         | 374.00 | 32 | 20 | PHG D374    |
|         | 9 990        | 9 906         | 390.00 | 32 | 20 | PHG D390    |
|         | 10 085       | 10 008        | 394.00 | 32 | 20 | PHG D394    |
|         | 10 700       | 10 617        | 418.00 | 32 | 20 | PHG D418    |
|         | 12 200       | 12 116        | 477.00 | 32 | 20 | PHG D477    |
|         | 13 800       | 13 715        | 540.00 | 32 | 20 | PHG D540    |
| 38/E    | 3 092        | 2 997         | 118.00 | 38 | 23 | PHG E118    |
|         | 4 108        | 4 013         | 158.00 | 38 | 23 | PHG E158    |
|         | 4 997        | 4 902         | 193.00 | 38 | 23 | PHG E193    |
|         | 5 048        | 4 953         | 195.00 | 38 | 23 | PHG E195    |
|         | 5 099        | 5 004         | 197.00 | 38 | 23 | PHG E197    |
|         | 5 556        | 5 461         | 215.00 | 38 | 23 | PHG E215    |
|         | 5 685        | 5 590         | 220.00 | 38 | 23 | PHG E220    |
|         | 6 089        | 5 994         | 236.00 | 38 | 23 | PHG E236    |
|         | 6 140        | 6 045         | 238.00 | 38 | 23 | PHG E238    |
|         | 6 191        | 6 096         | 240.00 | 38 | 23 | PHG E240    |
|         | 6 394        | 6 299         | 248.00 | 38 | 23 | PHG E248    |
|         | 6 674        | 6 579         | 259.00 | 38 | 23 | PHG E259    |
|         | 6 826        | 6 731         | 265.00 | 38 | 23 | PHG E265    |
|         | 6 953        | 6 858         | 270.00 | 38 | 23 | PHG E270    |
|         | 7 205        | 7 110         | 280.00 | 38 | 23 | PHG E280    |
|         | 7 588        | 7 493         | 295.00 | 38 | 23 | PHG E295    |
|         | 7 664        | 7 569         | 298.00 | 38 | 23 | PHG E298    |
|         | 7 715        | 7 620         | 300.00 | 38 | 23 | PHG E300    |
|         | 8 096        | 8 001         | 315.00 | 38 | 23 | PHG E315    |
|         | 8 426        | 8 331         | 328.00 | 38 | 23 | PHG E328    |
|         | 8 452        | 8 357         | 329.00 | 38 | 23 | PHG E329    |
|         | 8 477        | 8 382         | 330.00 | 38 | 23 | PHG E330    |
|         | 8 729        | 8 636         | 340.00 | 38 | 23 | PHG E340    |
|         | 9 085        | 8 990         | 354.00 | 38 | 23 | PHG E354    |
|         | 9 188        | 9 093         | 358.00 | 38 | 23 | PHG E358    |
|         | 9 239        | 9 144         | 360.00 | 38 | 23 | PHG E360    |
|         | 10 103       | 10 008        | 394.00 | 38 | 23 | PHG E394    |
|         | 10 712       | 10 617        | 418.00 | 38 | 23 | PHG E418    |
|         | 10 763       | 10 668        | 420.00 | 38 | 23 | PHG E420    |
|         | 11 270       | 11 175        | 440.00 | 38 | 23 | PHG E440    |
|         | 11 296       | 11 201        | 441.00 | 38 | 23 | PHG E441    |
|         | 12 008       | 11 913        | 469.00 | 38 | 23 | PHG E469    |
|         | 12 287       | 12 192        | 480.00 | 38 | 23 | PHG E480    |
|         | 12 592       | 12 497        | 492.00 | 38 | 23 | PHG E492    |
|         | 13 811       | 13 716        | 540.00 | 38 | 23 | PHG E540    |

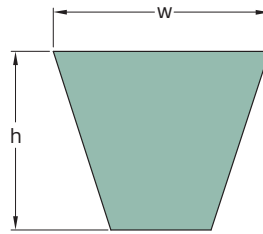
Non-standard lengths are also available.

Wrapped narrow wedge belts  
3V/9N | 5V/15N | 8V/25N



| Section | Dimensions     |       |      |            | Designation | Section   | Dimensions     |        |       |    | Designation |            |
|---------|----------------|-------|------|------------|-------------|-----------|----------------|--------|-------|----|-------------|------------|
|         | Outside length |       |      |            |             |           | Outside length |        |       |    |             |            |
|         |                |       | w    | h          |             |           |                | w      | h     |    |             |            |
| —       | mm.            | in.   | mm   |            | —           | —         | mm.            | in.    | mm    | —  |             |            |
| 3V/9N   | 635            | 25.0  | 9    | 8          | PHG 3V250   | 5V/15N    | 5 080          | 200.0  | 15    | 13 | PHG 5V2000  |            |
|         | 673            | 26.5  | 9    | 8          | PHG 3V265   |           | 5 385          | 212.0  | 15    | 13 | PHG 5V2120  |            |
|         | 711            | 28.0  | 9    | 8          | PHG 3V280   |           | 5 690          | 224.0  | 15    | 13 | PHG 5V2240  |            |
|         | 762            | 30.0  | 9    | 8          | PHG 3V300   |           | 5 994          | 236.0  | 15    | 13 | PHG 5V2360  |            |
|         | 800            | 31.5  | 9    | 8          | PHG 3V315   |           | 6 350          | 250.0  | 15    | 13 | PHG 5V2500  |            |
|         | 851            | 33.5  | 9    | 8          | PHG 3V335   |           | 6 731          | 265.0  | 15    | 13 | PHG 5V2650  |            |
|         | 902            | 35.5  | 9    | 8          | PHG 3V355   |           | 7 112          | 280.0  | 15    | 13 | PHG 5V2800  |            |
|         | 953            | 37.5  | 9    | 8          | PHG 3V375   |           | 7 620          | 300.0  | 15    | 13 | PHG 5V3000  |            |
|         | 1016           | 40.0  | 9    | 8          | PHG 3V400   |           | 8 001          | 315.0  | 15    | 13 | PHG 5V3150  |            |
|         | 1080           | 42.5  | 9    | 8          | PHG 3V425   |           | 8 509          | 335.0  | 15    | 13 | PHG 5V3350  |            |
|         | 1143           | 45.0  | 9    | 8          | PHG 3V450   |           | 9 017          | 355.0  | 15    | 13 | PHG 5V3550  |            |
|         | 1207           | 47.5  | 9    | 8          | PHG 3V475   | 8V/25N    | 2 540          | 100.0  | 25    | 23 | PHG 8V1000  |            |
|         | 1270           | 50.0  | 9    | 8          | PHG 3V500   |           |                | 2 692  | 106.0 | 25 | 23          | PHG 8V1060 |
|         | 1346           | 53.0  | 9    | 8          | PHG 3V530   |           |                | 2 845  | 112.0 | 25 | 23          | PHG 8V1120 |
|         | 1422           | 56.0  | 9    | 8          | PHG 3V560   |           |                | 2 997  | 118.0 | 25 | 23          | PHG 8V1180 |
|         | 1524           | 60.0  | 9    | 8          | PHG 3V600   |           |                | 3 175  | 125.0 | 25 | 23          | PHG 8V1250 |
|         | 1600           | 63.0  | 9    | 8          | PHG 3V630   |           |                | 3 353  | 132.0 | 25 | 23          | PHG 8V1320 |
|         | 1702           | 67.0  | 9    | 8          | PHG 3V670   |           |                | 3 556  | 140.0 | 25 | 23          | PHG 8V1400 |
|         | 1803           | 71.0  | 9    | 8          | PHG 3V710   |           |                | 3 810  | 150.0 | 25 | 23          | PHG 8V1500 |
|         | 1905           | 75.0  | 9    | 8          | PHG 3V750   |           |                | 4 064  | 160.0 | 25 | 23          | PHG 8V1600 |
|         |                |       |      |            |             |           |                | 4 318  | 170.0 | 25 | 23          | PHG 8V1700 |
|         | 2 032          | 80.0  | 9    | 8          | PHG 3V800   |           | 4 572          | 180.0  | 25    | 23 | PHG 8V1800  |            |
|         | 2 159          | 85.0  | 9    | 8          | PHG 3V850   |           | 4 826          | 190.0  | 25    | 23 | PHG 8V1900  |            |
|         | 2 286          | 90.0  | 9    | 8          | PHG 3V900   |           | 5 080          | 200.0  | 25    | 23 | PHG 8V2000  |            |
|         | 2 413          | 95.0  | 9    | 8          | PHG 3V950   |           | 5 385          | 212.0  | 25    | 23 | PHG 8V2120  |            |
|         | 2 540          | 100.0 | 9    | 8          | PHG 3V1000  |           | 5 690          | 224.0  | 25    | 23 | PHG 8V2240  |            |
|         | 2 692          | 106.0 | 9    | 8          | PHG 3V1060  |           | 5 994          | 236.0  | 25    | 23 | PHG 8V2360  |            |
|         | 2 845          | 112.0 | 9    | 8          | PHG 3V1120  |           | 6 350          | 250.0  | 25    | 23 | PHG 8V2500  |            |
|         | 2 997          | 118.0 | 9    | 8          | PHG 3V1180  |           | 6 731          | 265.0  | 25    | 23 | PHG 8V2650  |            |
|         | 3 175          | 125.0 | 9    | 8          | PHG 3V1250  |           | 7 112          | 280.0  | 25    | 23 | PHG 8V2800  |            |
|         | 3 353          | 132.0 | 9    | 8          | PHG 3V1320  |           | 7 620          | 300.0  | 25    | 23 | PHG 8V3000  |            |
|         | 3 556          | 140.0 | 9    | 8          | PHG 3V1400  |           | 8 001          | 315.0  | 25    | 23 | PHG 8V3150  |            |
|         | 5V/15N         | 1 346 | 53.0 | 15         | 13          | PHG 5V530 |                | 8 509  | 335.0 | 25 | 23          | PHG 8V3350 |
|         |                | 1 422 | 56.0 | 15         | 13          | PHG 5V560 |                | 9 017  | 355.0 | 25 | 23          | PHG 8V3550 |
|         |                | 1 524 | 60.0 | 15         | 13          | PHG 5V600 |                | 9 525  | 375.0 | 25 | 23          | PHG 8V3750 |
|         |                | 1 600 | 63.0 | 15         | 13          | PHG 5V630 |                | 10 160 | 400.0 | 25 | 23          | PHG 8V4000 |
|         |                | 1 702 | 67.0 | 15         | 13          | PHG 5V670 |                | 10 795 | 425.0 | 25 | 23          | PHG 8V4250 |
|         |                | 1 803 | 71.0 | 15         | 13          | PHG 5V710 |                | 11 430 | 450.0 | 25 | 23          | PHG 8V4500 |
|         |                | 1 905 | 75.0 | 15         | 13          | PHG 5V750 |                | 12 065 | 475.0 | 25 | 23          | PHG 8V4750 |
|         |                | 2 032 | 80.0 | 15         | 13          | PHG 5V800 |                | 12 700 | 500.0 | 25 | 23          | PHG 8V5000 |
| 2 159   |                | 85.0  | 15   | 13         | PHG 5V850   |           |                |        |       |    |             |            |
| 2 286   |                | 90.0  | 15   | 13         | PHG 5V900   |           |                |        |       |    |             |            |
| 2 413   |                | 95.0  | 15   | 13         | PHG 5V950   |           |                |        |       |    |             |            |
| 2 540   |                | 100.0 | 15   | 13         | PHG 5V1000  |           |                |        |       |    |             |            |
| 2 692   |                | 106.0 | 15   | 13         | PHG 5V1060  |           |                |        |       |    |             |            |
| 2 845   |                | 112.0 | 15   | 13         | PHG 5V1120  |           |                |        |       |    |             |            |
| 2 997   |                | 118.0 | 15   | 13         | PHG 5V1180  |           |                |        |       |    |             |            |
| 3 175   |                | 125.0 | 15   | 13         | PHG 5V1250  |           |                |        |       |    |             |            |
| 3 353   |                | 132.0 | 15   | 13         | PHG 5V1320  |           |                |        |       |    |             |            |
| 3 556   |                | 140.0 | 15   | 13         | PHG 5V1400  |           |                |        |       |    |             |            |
| 3 810   |                | 150.0 | 15   | 13         | PHG 5V1500  |           |                |        |       |    |             |            |
| 4 064   |                | 160.0 | 15   | 13         | PHG 5V1600  |           |                |        |       |    |             |            |
| 4 318   | 170.0          | 15    | 13   | PHG 5V1700 |             |           |                |        |       |    |             |            |
| 4 572   | 180.0          | 15    | 13   | PHG 5V1800 |             |           |                |        |       |    |             |            |
| 4 826   | 190.0          | 15    | 13   | PHG 5V1900 |             |           |                |        |       |    |             |            |

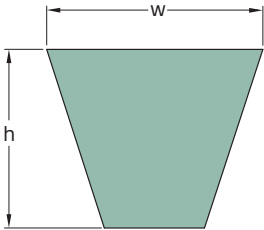
Non-standard lengths are also available.



| Section | Dimensions   |     |   | Designation   | Section | Dimensions   |      |    | Designation   | Section | Dimensions   |      |    | Designation   |
|---------|--------------|-----|---|---------------|---------|--------------|------|----|---------------|---------|--------------|------|----|---------------|
|         | Pitch length | w   | h |               |         | Pitch length | w    | h  |               |         | Pitch length | w    | h  |               |
| –       | –            | mm  | – | –             | –       | –            | mm   | –  | –             | –       | –            | mm   | –  | –             |
| XPZ     | 630          | 9.7 | 8 | PHG XPZ630EP  | XPZ     | 1412         | 9.7  | 8  | PHG XPZ1412EP | XPA     | 1282         | 12.7 | 10 | PHG XPA1282EP |
|         | 637          | 9.7 | 8 | PHG XPZ637EP  |         | 1420         | 9.7  | 8  | PHG XPZ1420EP |         | 1307         | 12.7 | 10 | PHG XPA1307EP |
|         | 662          | 9.7 | 8 | PHG XPZ662EP  |         | 1487         | 9.7  | 8  | PHG XPZ1487EP |         | 1320         | 12.7 | 10 | PHG XPA1320EP |
|         | 670          | 9.7 | 8 | PHG XPZ670EP  |         | 1500         | 9.7  | 8  | PHG XPZ1500EP |         | 1332         | 12.7 | 10 | PHG XPA1332EP |
|         | 687          | 9.7 | 8 | PHG XPZ687EP  |         | 1512         | 9.7  | 8  | PHG XPZ1512EP |         | 1357         | 12.7 | 10 | PHG XPA1357EP |
|         | 710          | 9.7 | 8 | PHG XPZ710EP  |         | 1520         | 9.7  | 8  | PHG XPZ1520EP |         | 1400         | 12.7 | 10 | PHG XPA1400EP |
|         | 737          | 9.7 | 8 | PHG XPZ737EP  |         | 1537         | 9.7  | 8  | PHG XPZ1537EP |         | 1482         | 12.7 | 10 | PHG XPA1482EP |
|         | 750          | 9.7 | 8 | PHG XPZ750EP  |         | 1587         | 9.7  | 8  | PHG XPZ1587EP |         | 1500         | 12.7 | 10 | PHG XPA1500EP |
|         | 760          | 9.7 | 8 | PHG XPZ760EP  |         | 1600         | 9.7  | 8  | PHG XPZ1600EP |         | 1507         | 12.7 | 10 | PHG XPA1507EP |
|         | 762          | 9.7 | 8 | PHG XPZ762EP  |         | 1700         | 9.7  | 8  | PHG XPZ1700EP |         | 1532         | 12.7 | 10 | PHG XPA1532EP |
|         | 772          | 9.7 | 8 | PHG XPZ772EP  |         | 1800         | 9.7  | 8  | PHG XPZ1800EP |         | 1582         | 12.7 | 10 | PHG XPA1582EP |
|         | 787          | 9.7 | 8 | PHG XPZ787EP  |         | 1850         | 9.7  | 8  | PHG XPZ1850EP |         | 1600         | 12.7 | 10 | PHG XPA1600EP |
|         | 800          | 9.7 | 8 | PHG XPZ800EP  |         | 1900         | 9.7  | 8  | PHG XPZ1900EP |         | 1700         | 12.7 | 10 | PHG XPA1700EP |
|         | 812          | 9.7 | 8 | PHG XPZ812EP  |         | 2000         | 9.7  | 8  | PHG XPZ2000EP |         | 1800         | 12.7 | 10 | PHG XPA1800EP |
|         | 837          | 9.7 | 8 | PHG XPZ837EP  |         | 2030         | 9.7  | 8  | PHG XPZ2030EP |         | 1900         | 12.7 | 10 | PHG XPA1900EP |
|         | 850          | 9.7 | 8 | PHG XPZ850EP  |         | 2120         | 9.7  | 8  | PHG XPZ2120EP |         | 2000         | 12.7 | 10 | PHG XPA2000EP |
|         | 862          | 9.7 | 8 | PHG XPZ862EP  |         | 2240         | 9.7  | 8  | PHG XPZ2240EP |         | 2120         | 12.7 | 10 | PHG XPA2120EP |
|         | 875          | 9.7 | 8 | PHG XPZ875EP  |         | 2280         | 9.7  | 8  | PHG XPZ2280EP |         | 2240         | 12.7 | 10 | PHG XPA2240EP |
|         | 887          | 9.7 | 8 | PHG XPZ887EP  |         | 2360         | 9.7  | 8  | PHG XPZ2360EP |         | 2360         | 12.7 | 10 | PHG XPA2360EP |
|         | 900          | 9.7 | 8 | PHG XPZ900EP  |         | 2410         | 9.7  | 8  | PHG XPZ2410EP |         | 2500         | 12.7 | 10 | PHG XPA2500EP |
|         | 912          | 9.7 | 8 | PHG XPZ912EP  |         | 2500         | 9.7  | 8  | PHG XPZ2500EP |         | 2650         | 12.7 | 10 | PHG XPA2650EP |
|         | 925          | 9.7 | 8 | PHG XPZ925EP  |         | 2540         | 9.7  | 8  | PHG XPZ2540EP |         | 2800         | 12.7 | 10 | PHG XPA2800EP |
|         | 937          | 9.7 | 8 | PHG XPZ937EP  |         | 2650         | 9.7  | 8  | PHG XPZ2650EP |         | 3000         | 12.7 | 10 | PHG XPA3000EP |
|         | 950          | 9.7 | 8 | PHG XPZ950EP  |         | 2800         | 9.7  | 8  | PHG XPZ2800EP |         | 3150         | 12.7 | 10 | PHG XPA3150EP |
|         | 962          | 9.7 | 8 | PHG XPZ962EP  |         | 3000         | 9.7  | 8  | PHG XPZ3000EP |         | 3350         | 12.7 | 10 | PHG XPA3350EP |
|         | 987          | 9.7 | 8 | PHG XPZ987EP  |         | 3150         | 9.7  | 8  | PHG XPZ3150EP |         | 3550         | 12.7 | 10 | PHG XPA3550EP |
|         | 1000         | 9.7 | 8 | PHG XPZ1000EP |         | 3350         | 9.7  | 8  | PHG XPZ3350EP | XPB     | 1250         | 16.3 | 13 | PHG XPB1250EP |
|         | 1010         | 9.7 | 8 | PHG XPZ1010EP |         | 3550         | 9.7  | 8  | PHG XPZ3550EP |         | 1260         | 16.3 | 13 | PHG XPB1260EP |
|         | 1012         | 9.7 | 8 | PHG XPZ1012EP | XPA     | 757          | 12.7 | 10 | PHG XPA757EP  |         | 1320         | 16.3 | 13 | PHG XPB1320EP |
|         | 1037         | 9.7 | 8 | PHG XPZ1037EP |         | 782          | 12.7 | 10 | PHG XPA782EP  |         | 1340         | 16.3 | 13 | PHG XPB1340EP |
|         | 1060         | 9.7 | 8 | PHG XPZ1060EP |         | 800          | 12.7 | 10 | PHG XPA800EP  |         | 1400         | 16.3 | 13 | PHG XPB1400EP |
|         | 1077         | 9.7 | 8 | PHG XPZ1077EP |         | 832          | 12.7 | 10 | PHG XPA832EP  |         | 1410         | 16.3 | 13 | PHG XPB1410EP |
|         | 1080         | 9.7 | 8 | PHG XPZ1080EP |         | 850          | 12.7 | 10 | PHG XPA850EP  |         | 1500         | 16.3 | 13 | PHG XPB1500EP |
|         | 1087         | 9.7 | 8 | PHG XPZ1087EP |         | 857          | 12.7 | 10 | PHG XPA857EP  |         | 1590         | 16.3 | 13 | PHG XPB1590EP |
|         | 1112         | 9.7 | 8 | PHG XPZ1112EP |         | 882          | 12.7 | 10 | PHG XPA882EP  |         | 1600         | 16.3 | 13 | PHG XPB1600EP |
|         | 1120         | 9.7 | 8 | PHG XPZ1120EP |         | 900          | 12.7 | 10 | PHG XPA900EP  |         | 1690         | 16.3 | 13 | PHG XPB1690EP |
|         | 1137         | 9.7 | 8 | PHG XPZ1137EP |         | 907          | 12.7 | 10 | PHG XPA907EP  |         | 1700         | 16.3 | 13 | PHG XPB1700EP |
|         | 1140         | 9.7 | 8 | PHG XPZ1140EP |         | 932          | 12.7 | 10 | PHG XPA932EP  |         | 1800         | 16.3 | 13 | PHG XPB1800EP |
|         | 1162         | 9.7 | 8 | PHG XPZ1162EP |         | 950          | 12.7 | 10 | PHG XPA950EP  |         | 1900         | 16.3 | 13 | PHG XPB1900EP |
|         | 1180         | 9.7 | 8 | PHG XPZ1180EP |         | 957          | 12.7 | 10 | PHG XPA957EP  |         | 2000         | 16.3 | 13 | PHG XPB2000EP |
|         | 1187         | 9.7 | 8 | PHG XPZ1187EP |         | 982          | 12.7 | 10 | PHG XPA982EP  |         | 2020         | 16.3 | 13 | PHG XPB2020EP |
|         | 1200         | 9.7 | 8 | PHG XPZ1200EP |         | 1000         | 12.7 | 10 | PHG XPA1000EP |         | 2120         | 16.3 | 13 | PHG XPB2120EP |
|         | 1202         | 9.7 | 8 | PHG XPZ1202EP |         | 1007         | 12.7 | 10 | PHG XPA1007EP |         | 2150         | 16.3 | 13 | PHG XPB2150EP |
|         | 1212         | 9.7 | 8 | PHG XPZ1212EP |         | 1030         | 12.7 | 10 | PHG XPA1030EP |         | 2240         | 16.3 | 13 | PHG XPB2240EP |
|         | 1237         | 9.7 | 8 | PHG XPZ1237EP |         | 1060         | 12.7 | 10 | PHG XPA1060EP |         | 2280         | 16.3 | 13 | PHG XPB2280EP |
|         | 1250         | 9.7 | 8 | PHG XPZ1250EP |         | 1082         | 12.7 | 10 | PHG XPA1082EP |         | 2360         | 16.3 | 13 | PHG XPB2360EP |
|         | 1262         | 9.7 | 8 | PHG XPZ1262EP |         | 1107         | 12.7 | 10 | PHG XPA1107EP |         | 2500         | 16.3 | 13 | PHG XPB2500EP |
|         | 1270         | 9.7 | 8 | PHG XPZ1270EP |         | 1120         | 12.7 | 10 | PHG XPA1120EP |         | 2530         | 16.3 | 13 | PHG XPB2530EP |
|         | 1287         | 9.7 | 8 | PHG XPZ1287EP |         | 1157         | 12.7 | 10 | PHG XPA1157EP |         | 2650         | 16.3 | 13 | PHG XPB2650EP |
|         | 1312         | 9.7 | 8 | PHG XPZ1312EP |         | 1180         | 12.7 | 10 | PHG XPA1180EP |         | 2680         | 16.3 | 13 | PHG XPB2680EP |
|         | 1320         | 9.7 | 8 | PHG XPZ1320EP |         | 1207         | 12.7 | 10 | PHG XPA1207EP |         | 2800         | 16.3 | 13 | PHG XPB2800EP |
|         | 1337         | 9.7 | 8 | PHG XPZ1337EP |         | 1232         | 12.7 | 10 | PHG XPA1232EP |         | 3000         | 16.3 | 13 | PHG XPB3000EP |
|         | 1340         | 9.7 | 8 | PHG XPZ1340EP |         | 1250         | 12.7 | 10 | PHG XPA1250EP |         | 3150         | 16.3 | 13 | PHG XPB3150EP |
|         | 1362         | 9.7 | 8 | PHG XPZ1362EP |         | 1257         | 12.7 | 10 | PHG XPA1257EP |         | 3350         | 16.3 | 13 | PHG XPB3350EP |
|         | 1400         | 9.7 | 8 | PHG XPZ1400EP |         |              |      |    |               |         |              |      |    |               |

Non-standard lengths are also available.

EPDM Cogged raw edge wedge belts  
 XPB | XPC



| Section | Dimensions   |      | Designation |               |
|---------|--------------|------|-------------|---------------|
|         | Pitch length |      |             |               |
|         |              | w    | h           |               |
| —       |              | mm   |             | —             |
| XPB     | 3 550        | 16.3 | 13          | PHG XPB3550EP |
| XPC     | 2 000        | 22.0 | 18          | PHG XPC2000EP |
|         | 2 120        | 22.0 | 18          | PHG XPC2120EP |
|         | 2 240        | 22.0 | 18          | PHG XPC2240EP |
|         | 2 360        | 22.0 | 18          | PHG XPC2360EP |
|         | 2 500        | 22.0 | 18          | PHG XPC2500EP |
|         | 2 650        | 22.0 | 18          | PHG XPC2650EP |
|         | 2 800        | 22.0 | 18          | PHG XPC2800EP |
|         | 3 000        | 22.0 | 18          | PHG XPC3000EP |
|         | 3 150        | 22.0 | 18          | PHG XPC3150EP |
|         | 3 350        | 22.0 | 18          | PHG XPC3350EP |
|         | 3 550        | 22.0 | 18          | PHG XPC3550EP |

Non-standard lengths are also available.

# Equivalent / interchange for ISO and RMA narrow wedge V-belts

| Section<br>ISO      | Dimensions          |       | Designation<br>ISO | Section<br>ISO | Dimensions   |        | Designation<br>ISO |            |    |            |
|---------------------|---------------------|-------|--------------------|----------------|--------------|--------|--------------------|------------|----|------------|
|                     | Pitch length        |       |                    |                | Pitch length |        |                    |            |    |            |
|                     |                     | w     | h                  |                |              | w      | h                  |            |    |            |
| —                   |                     | mm    |                    | —              |              | mm     |                    |            |    |            |
| SPZ                 | 630                 | 9.7   | 8                  | 3V/9N          | 25.0         | 9      | 8                  | PHG 3V250  |    |            |
|                     | 670                 | 9.7   | 8                  |                | 26.5         | 9      | 8                  | PHG 3V265  |    |            |
|                     | 710                 | 9.7   | 8                  |                | 28.0         | 9      | 8                  | PHG 3V280  |    |            |
|                     | 760                 | 9.7   | 8                  |                | 30.0         | 9      | 8                  | PHG 3V300  |    |            |
|                     | 800                 | 9.7   | 8                  |                | 31.5         | 9      | 8                  | PHG 3V315  |    |            |
|                     | 900                 | 9.7   | 8                  |                | 33.5         | 9      | 8                  | PHG 3V355  |    |            |
|                     | 937 <sup>1)</sup>   | 9.7   | 8                  |                | 37.0         | 9      | 8                  | PHG 3V370  |    |            |
|                     | 1 010               | 9.7   | 8                  |                | 40.0         | 9      | 8                  | PHG 3V400  |    |            |
|                     | 1 080               | 9.7   | 8                  |                | 42.5         | 9      | 8                  | PHG 3V425  |    |            |
|                     | 1 137 <sup>1)</sup> | 9.7   | 8                  |                | 45.0         | 9      | 8                  | PHG 3V450  |    |            |
|                     | 1 200               | 9.7   | 8                  |                | 47.5         | 9      | 8                  | PHG 3V475  |    |            |
|                     | 1 270               | 9.7   | 8                  |                | 50.0         | 9      | 8                  | PHG 3V500  |    |            |
|                     | 1 340               | 9.7   | 8                  |                | 53.0         | 9      | 8                  | PHG 3V530  |    |            |
|                     | 1 420               | 9.7   | 8                  |                | 56.0         | 9      | 8                  | PHG 3V560  |    |            |
|                     | 1 470 <sup>1)</sup> | 9.7   | 8                  |                | 58.0         | 9      | 8                  | PHG 3V580  |    |            |
|                     | 1 520               | 9.7   | 8                  |                | 60.0         | 9      | 8                  | PHG 3V600  |    |            |
|                     | 1 562 <sup>1)</sup> | 9.7   | 8                  |                | 61.7         | 9      | 8                  | PHG 3V617  |    |            |
|                     | 1 600               | 9.7   | 8                  |                | 63.0         | 9      | 8                  | PHG 3V630  |    |            |
|                     | 1 650               | 9.7   | 8                  |                | 65.0         | 9      | 8                  | PHG 3V650  |    |            |
|                     | 1 700               | 9.7   | 8                  |                | 67.0         | 9      | 8                  | PHG 3V670  |    |            |
|                     | 1 800               | 9.7   | 8                  |                | 71.0         | 9      | 8                  | PHG 3V710  |    |            |
|                     | 1 850               | 9.7   | 8                  |                | 73.0         | 9      | 8                  | PHG 3V730  |    |            |
|                     | 1 900               | 9.7   | 8                  |                | 75.0         | 9      | 8                  | PHG 3V750  |    |            |
|                     | 2 037 <sup>1)</sup> | 9.7   | 8                  |                | 80.0         | 9      | 8                  | PHG 3V800  |    |            |
|                     | 2 160               | 9.7   | 8                  |                | 85.0         | 9      | 8                  | PHG 3V850  |    |            |
|                     | 2 280               | 9.7   | 8                  |                | 90.0         | 9      | 8                  | PHG 3V900  |    |            |
|                     | 2 410               | 9.7   | 8                  |                | 95.0         | 9      | 8                  | PHG 3V950  |    |            |
|                     | 2 540               | 9.7   | 8                  |                | 100.0        | 9      | 8                  | PHG 3V1000 |    |            |
|                     | 2 690               | 9.7   | 8                  |                | 106.0        | 9      | 8                  | PHG 3V1060 |    |            |
|                     | 2 840               | 9.7   | 8                  |                | 112.0        | 9      | 8                  | PHG 3V1120 |    |            |
|                     | 3 000               | 9.7   | 8                  |                | 118.0        | 9      | 8                  | PHG 3V1180 |    |            |
|                     | 3 170               | 9.7   | 8                  |                | 125.0        | 9      | 8                  | PHG 3V1250 |    |            |
|                     | 3 550               | 9.7   | 8                  |                | 140.0        | 9      | 8                  | PHG 3V1400 |    |            |
|                     | SPB                 | 1 260 | 16.3               |                | 13           | 5V/15N | 50.0               | 15         | 13 | PHG 5V500  |
|                     |                     | 1 340 | 16.3               |                | 13           |        | 53.0               | 15         | 13 | PHG 5V530  |
|                     |                     | 1 410 | 16.3               |                | 13           |        | 56.0               | 15         | 13 | PHG 5V560  |
|                     |                     | 1 600 | 16.3               |                | 13           |        | 63.0               | 15         | 13 | PHG 5V630  |
|                     |                     | 1 800 | 16.3               |                | 13           |        | 71.0               | 15         | 13 | PHG 5V710  |
|                     |                     | 2 020 | 16.3               |                | 13           |        | 80.0               | 15         | 13 | PHG 5V800  |
|                     |                     | 2 150 | 16.3               |                | 13           |        | 85.0               | 15         | 13 | PHG 5V850  |
|                     |                     | 2 280 | 16.3               |                | 13           |        | 90.0               | 15         | 13 | PHG 5V900  |
|                     |                     | 2 410 | 16.3               |                | 13           |        | 95.0               | 15         | 13 | PHG 5V950  |
|                     |                     | 2 530 | 16.3               |                | 13           |        | 100.0              | 15         | 13 | PHG 5V1000 |
|                     |                     | 2 680 | 16.3               |                | 13           |        | 106.0              | 15         | 13 | PHG 5V1060 |
| 2 840               |                     | 16.3  | 13                 | 112.0          | 15           |        | 13                 | PHG 5V1120 |    |            |
| 3 000               |                     | 16.3  | 13                 | 118.0          | 15           |        | 13                 | PHG 5V1180 |    |            |
| 3 170 <sup>2)</sup> |                     | 16.3  | 13                 | 125.0          | 15           |        | 13                 | PHG 5V1250 |    |            |
| 3 350               |                     | 16.3  | 13                 | 132.0          | 15           |        | 13                 | PHG 5V1320 |    |            |
| 3 550               |                     | 16.3  | 13                 | 140.0          | 15           |        | 13                 | PHG 5V1400 |    |            |
| 3 800               |                     | 16.3  | 13                 | 150.0          | 15           |        | 13                 | PHG 5V1500 |    |            |
| 4 060               |                     | 16.3  | 13                 | 160.0          | 15           |        | 13                 | PHG 5V1600 |    |            |
| 4 310               |                     | 16.3  | 13                 | 170.0          | 15           |        | 13                 | PHG 5V1700 |    |            |
| 4 560               |                     | 16.3  | 13                 | 180.0          | 15           |        | 13                 | PHG 5V1800 |    |            |
| 4 820               |                     | 16.3  | 13                 | 190.0          | 15           |        | 13                 | PHG 5V1900 |    |            |
| 5 070               |                     | 16.3  | 13                 | 200.0          | 15           |        | 13                 | PHG 5V2000 |    |            |
| 5 380               |                     | 16.3  | 13                 | 212.0          | 15           |        | 13                 | PHG 5V2120 |    |            |
| 5 680               |                     | 16.3  | 13                 | 224.0          | 15           |        | 13                 | PHG 5V2240 |    |            |
| 6 000               |                     | 16.3  | 13                 | 236.0          | 15           |        | 13                 | PHG 5V2360 |    |            |
| 6 340               |                     | 16.3  | 13                 | 250.0          | 15           |        | 13                 | PHG 5V2500 |    |            |
| 7 100               |                     | 16.3  | 13                 | 280.0          | 15           |        | 13                 | PHG 5V2800 |    |            |
| 8 000               |                     | 16.3  | 13                 | 315.0          | 15           |        | 13                 | PHG 5V3150 |    |            |

<sup>1)</sup> Belts have a slight variation in pitch length.

<sup>2)</sup> 3170 (Lp) – Check availability

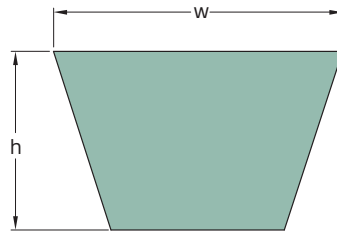
## Raw edge belts

Belts up to and including 3 500 mm (Lp) may also be available in RAW EDGE COG construction. Designations are PHG XPB\*\*\* and PHG 5VX\*\*\* respectively.

## Banded belts (SPZ/XPZ/3V/3VX and SPB/XPB/5V/5VX)

As the transverse pitch (between pulley grooves) of the ISO and RMA standards varies, a check should be made of both pulleys before selecting, interchanging or using banded belts. Both pulleys must have the same transverse pitch dimension.

EPDM Cogged raw edge classical belts  
X10/ZX | X13/AX



| Section | Dimensions   |               |       |    |   | Designation  |
|---------|--------------|---------------|-------|----|---|--------------|
|         | Pitch length | Inside length |       | w  | h |              |
| –       | mm           | in.           |       | mm |   | –            |
| X10/ZX  | 600          | 584           | 23.00 | 10 | 6 | PHG ZX23EP   |
|         | 620          | 610           | 24.00 | 10 | 6 | PHG ZX24EP   |
|         | 650          | 635           | 25.00 | 10 | 6 | PHG ZX25EP   |
|         | 680          | 660           | 26.00 | 10 | 6 | PHG ZX26EP   |
|         | 700          | 686           | 27.00 | 10 | 6 | PHG ZX27EP   |
|         | 725          | 711           | 28.00 | 10 | 6 | PHG ZX28EP   |
|         | 750          | 737           | 29.00 | 10 | 6 | PHG ZX29EP   |
|         | 780          | 762           | 30.00 | 10 | 6 | PHG ZX30EP   |
|         | 800          | 787           | 31.00 | 10 | 6 | PHG ZX31EP   |
|         | 840          | 813           | 32.00 | 10 | 6 | PHG ZX32EP   |
|         | 850          | 838           | 33.00 | 10 | 6 | PHG ZX33EP   |
|         | 875          | 864           | 34.00 | 10 | 6 | PHG ZX34EP   |
|         | 900          | 889           | 35.00 | 10 | 6 | PHG ZX35EP   |
|         | 930          | 914           | 36.00 | 10 | 6 | PHG ZX36EP   |
|         | 950          | 940           | 37.00 | 10 | 6 | PHG ZX37EP   |
|         | 980          | 965           | 38.00 | 10 | 6 | PHG ZX38EP   |
|         | 1035         | 1016          | 40.00 | 10 | 6 | PHG ZX40EP   |
|         | 1055         | 1041          | 41.00 | 10 | 6 | PHG ZX41EP   |
|         | 1080         | 1067          | 42.00 | 10 | 6 | PHG ZX42EP   |
|         | 1105         | 1092          | 43.00 | 10 | 6 | PHG ZX43EP   |
|         | 1130         | 1118          | 44.00 | 10 | 6 | PHG ZX44EP   |
|         | 1155         | 1143          | 45.00 | 10 | 6 | PHG ZX45EP   |
|         | 1290         | 1270          | 50.00 | 10 | 6 | PHG ZX50EP   |
|         | 1340         | 1321          | 52.00 | 10 | 6 | PHG ZX52EP   |
|         | 1380         | 1346          | 53.00 | 10 | 6 | PHG ZX53EP   |
|         | 1390         | 1372          | 54.00 | 10 | 6 | PHG ZX54EP   |
|         | 1420         | 1397          | 55.00 | 10 | 6 | PHG ZX55EP   |
|         | 1465         | 1448          | 57.00 | 10 | 6 | PHG ZX57EP   |
|         | 1515         | 1499          | 59.00 | 10 | 6 | PHG ZX59EP   |
|         | 1570         | 1549          | 61.00 | 10 | 6 | PHG ZX61EP   |
|         | 1620         | 1600          | 63.00 | 10 | 6 | PHG ZX63EP   |
|         | 1670         | 1651          | 65.00 | 10 | 6 | PHG ZX65EP   |
|         | 1695         | 1676          | 66.00 | 10 | 6 | PHG ZX66EP   |
|         | 1720         | 1702          | 67.00 | 10 | 6 | PHG ZX67EP   |
|         | 1750         | 1727          | 68.00 | 10 | 6 | PHG ZX68EP   |
|         | 1770         | 1753          | 69.00 | 10 | 6 | PHG ZX69EP   |
|         | 1820         | 1803          | 71.00 | 10 | 6 | PHG ZX71EP   |
|         | 2000         | 1981          | 78.00 | 10 | 6 | PHG ZX78EP   |
| X13/AX  | 570          | 533           | 21.00 | 13 | 8 | PHG AX21EP   |
|         | 590          | 559           | 22.00 | 13 | 8 | PHG AX22EP   |
|         | 620          | 584           | 23.00 | 13 | 8 | PHG AX23EP   |
|         | 640          | 610           | 24.00 | 13 | 8 | PHG AX24EP   |
|         | 670          | 635           | 25.00 | 13 | 8 | PHG AX25EP   |
|         | 700          | 660           | 26.00 | 13 | 8 | PHG AX26EP   |
|         | 720          | 686           | 27.00 | 13 | 8 | PHG AX27EP   |
|         | 740          | 711           | 28.00 | 13 | 8 | PHG AX28EP   |
|         | 770          | 737           | 29.00 | 13 | 8 | PHG AX29EP   |
|         | 790          | 762           | 30.00 | 13 | 8 | PHG AX30EP   |
|         | 820          | 787           | 31.00 | 13 | 8 | PHG AX31EP   |
|         | 850          | 813           | 32.00 | 13 | 8 | PHG AX32EP   |
|         | 870          | 838           | 33.00 | 13 | 8 | PHG AX33EP   |
|         | 890          | 864           | 34.00 | 13 | 8 | PHG AX34EP   |
|         | 920          | 889           | 35.00 | 13 | 8 | PHG AX35EP   |
|         | 950          | 914           | 36.00 | 13 | 8 | PHG AX36EP   |
|         | 970          | 940           | 37.00 | 13 | 8 | PHG AX37EP   |
|         | 990          | 965           | 38.00 | 13 | 8 | PHG AX38EP   |
|         | 1020         | 991           | 39.00 | 13 | 8 | PHG AX39EP   |
|         | 1050         | 1016          | 40.00 | 13 | 8 | PHG AX40EP   |
|         | 1070         | 1041          | 41.00 | 13 | 8 | PHG AX41EP   |
|         | 1100         | 1067          | 42.00 | 13 | 8 | PHG AX42EP   |
|         | 1130         | 1092          | 43.00 | 13 | 8 | PHG AX43EP   |
|         | 1150         | 1118          | 44.00 | 13 | 8 | PHG AX44EP   |
|         | 1180         | 1143          | 45.00 | 13 | 8 | PHG AX45EP   |
|         | 1200         | 1168          | 46.00 | 13 | 8 | PHG AX46EP   |
|         | 1230         | 1194          | 47.00 | 13 | 8 | PHG AX47EP   |
|         | 1250         | 1219          | 48.00 | 13 | 8 | PHG AX48EP   |
|         | 1280         | 1245          | 49.00 | 13 | 8 | PHG AX49EP   |
|         | 1300         | 1270          | 50.00 | 13 | 8 | PHG AX50EP   |
|         | 1330         | 1295          | 51.00 | 13 | 8 | PHG AX51EP   |
|         | 1360         | 1321          | 52.00 | 13 | 8 | PHG AX52EP   |
|         | 1380         | 1346          | 53.00 | 13 | 8 | PHG AX53EP   |
|         | 1410         | 1372          | 54.00 | 13 | 8 | PHG AX54EP   |
|         | 1430         | 1397          | 55.00 | 13 | 8 | PHG AX55EP   |
|         | 1460         | 1422          | 56.00 | 13 | 8 | PHG AX56EP   |
|         | 1480         | 1448          | 57.00 | 13 | 8 | PHG AX57EP   |
|         | 1510         | 1473          | 58.00 | 13 | 8 | PHG AX58EP   |
|         | 1530         | 1499          | 59.00 | 13 | 8 | PHG AX59EP   |
|         | 1550         | 1524          | 60.00 | 13 | 8 | PHG AX60EP   |
|         | 1580         | 1549          | 61.00 | 13 | 8 | PHG AX61EP   |
|         | 1610         | 1575          | 62.00 | 13 | 8 | PHG AX62EP   |
|         | 1640         | 1600          | 63.00 | 13 | 8 | PHG AX63EP   |
|         | 1660         | 1626          | 64.00 | 13 | 8 | PHG AX64EP   |
|         | 1690         | 1651          | 65.00 | 13 | 8 | PHG AX65EP   |
|         | 1710         | 1676          | 66.00 | 13 | 8 | PHG AX66EP   |
|         | 1740         | 1702          | 67.00 | 13 | 8 | PHG AX67EP   |
|         | 1760         | 1727          | 68.00 | 13 | 8 | PHG AX68EP   |
|         | 1790         | 1753          | 69.00 | 13 | 8 | PHG AX69EP   |
|         | 1810         | 1778          | 70.00 | 13 | 8 | PHG AX70EP   |
|         | 1840         | 1803          | 71.00 | 13 | 8 | PHG AX71EP   |
|         | 1860         | 1829          | 72.00 | 13 | 8 | EPPHG AX72EP |
|         | 1890         | 1854          | 73.00 | 13 | 8 | PHG AX73EP   |
|         | 1920         | 1880          | 74.00 | 13 | 8 | PHG AX74EP   |
|         | 1940         | 1905          | 75.00 | 13 | 8 | PHG AX75EP   |
|         | 1960         | 1930          | 76.00 | 13 | 8 | PHG AX76EP   |
|         | 1990         | 1956          | 77.00 | 13 | 8 | PHG AX77EP   |
|         | 2020         | 1981          | 78.00 | 13 | 8 | PHG AX78EP   |
|         | 2050         | 2007          | 79.00 | 13 | 8 | PHG AX79EP   |
|         | 2070         | 2032          | 80.00 | 13 | 8 | PHG AX80EP   |
|         | 2090         | 2057          | 81.00 | 13 | 8 | PHG AX81EP   |
|         | 2120         | 2083          | 82.00 | 13 | 8 | PHG AX82EP   |
|         | 2140         | 2108          | 83.00 | 13 | 8 | PHG AX83EP   |
|         | 2170         | 2134          | 84.00 | 13 | 8 | PHG AX84EP   |
|         | 2200         | 2159          | 85.00 | 13 | 8 | PHG AX85EP   |
|         | 2220         | 2184          | 86.00 | 13 | 8 | PHG AX86EP   |
|         | 2240         | 2210          | 87.00 | 13 | 8 | PHG AX87EP   |
|         | 2270         | 2235          | 88.00 | 13 | 8 | PHG AX88EP   |
|         | 2300         | 2261          | 89.00 | 13 | 8 | PHG AX89EP   |
|         | 2320         | 2286          | 90.00 | 13 | 8 | PHG AX90EP   |
|         | 2350         | 2311          | 91.00 | 13 | 8 | PHG AX91EP   |

Non-standard lengths are also available.

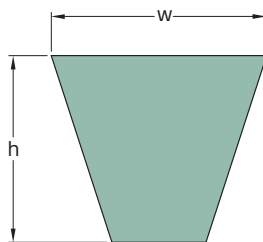
# EDPM Cogged raw edge classical belts

X13/AX | X17/BX | X22/CX

| Section | Dimensions   |               |        |    |    | Designation |  | Dimensions   |               |    |  |   | Designation |
|---------|--------------|---------------|--------|----|----|-------------|--|--------------|---------------|----|--|---|-------------|
|         | Pitch length | Inside length |        |    |    |             |  | Pitch length | Inside length |    |  |   |             |
|         |              |               | w      |    | h  |             |  |              |               | w  |  | h |             |
| –       | mm           | in.           | mm     |    |    | –           |  | mm           | in.           | mm |  |   | –           |
| X13/AX  | 2 400        | 2 362         | 93.00  | 13 | 8  | PHG AX93EP  |  |              |               |    |  |   |             |
|         | 2 420        | 2 388         | 94.00  | 13 | 8  | PHG AX94EP  |  |              |               |    |  |   |             |
|         | 2 450        | 2 413         | 95.00  | 13 | 8  | PHG AX95EP  |  |              |               |    |  |   |             |
|         | 2 480        | 2 438         | 96.00  | 13 | 8  | PHG AX96EP  |  |              |               |    |  |   |             |
|         | 2 500        | 2 464         | 97.00  | 13 | 8  | PHG AX97EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 2 520        | 2 489         | 98.00  | 13 | 8  | PHG AX98EP  |  |              |               |    |  |   |             |
|         | 2 570        | 2 540         | 100.00 | 13 | 8  | PHG AX100EP |  |              |               |    |  |   |             |
|         | 2 650        | 2 616         | 103.00 | 13 | 8  | PHG AX103EP |  |              |               |    |  |   |             |
|         | 2 680        | 2 642         | 104.00 | 13 | 8  | PHG AX104EP |  |              |               |    |  |   |             |
|         | 2 700        | 2 667         | 105.00 | 13 | 8  | PHG AX105EP |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 2 830        | 2 794         | 110.00 | 13 | 8  | PHG AX110EP |  |              |               |    |  |   |             |
|         | 2 880        | 2 845         | 112.00 | 13 | 8  | PHG AX112EP |  |              |               |    |  |   |             |
|         | 3 030        | 2 997         | 118.00 | 13 | 8  | PHG AX118EP |  |              |               |    |  |   |             |
|         | 3 190        | 3 150         | 124.00 | 13 | 8  | PHG AX124EP |  |              |               |    |  |   |             |
|         | 3 390        | 3 353         | 132.00 | 13 | 8  | PHG AX132EP |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
| X17/BX  | 624          | 584           | 23.00  | 17 | 11 | PHG BX23EP  |  |              |               |    |  |   |             |
|         | 675          | 635           | 25.00  | 17 | 11 | PHG BX25EP  |  |              |               |    |  |   |             |
|         | 700          | 660           | 26.00  | 17 | 11 | PHG BX26EP  |  |              |               |    |  |   |             |
|         | 750          | 711           | 28.00  | 17 | 11 | PHG BX28EP  |  |              |               |    |  |   |             |
|         | 770          | 737           | 29.00  | 17 | 11 | PHG BX29EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 800          | 762           | 30.00  | 17 | 11 | PHG BX30EP  |  |              |               |    |  |   |             |
|         | 830          | 787           | 31.00  | 17 | 11 | PHG BX31EP  |  |              |               |    |  |   |             |
|         | 860          | 813           | 32.00  | 17 | 11 | PHG BX32EP  |  |              |               |    |  |   |             |
|         | 880          | 838           | 33.00  | 17 | 11 | PHG BX33EP  |  |              |               |    |  |   |             |
|         | 910          | 864           | 34.00  | 17 | 11 | PHG BX34EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 930          | 889           | 35.00  | 17 | 11 | PHG BX35EP  |  |              |               |    |  |   |             |
|         | 960          | 914           | 36.00  | 17 | 11 | PHG BX36EP  |  |              |               |    |  |   |             |
|         | 980          | 940           | 37.00  | 17 | 11 | PHG BX37EP  |  |              |               |    |  |   |             |
|         | 1000         | 965           | 38.00  | 17 | 11 | PHG BX38EP  |  |              |               |    |  |   |             |
|         | 1030         | 991           | 39.00  | 17 | 11 | PHG BX39EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1060         | 1016          | 40.00  | 17 | 11 | PHG BX40EP  |  |              |               |    |  |   |             |
|         | 1080         | 1041          | 41.00  | 17 | 11 | PHG BX41EP  |  |              |               |    |  |   |             |
| X22/CX  | 1100         | 1067          | 42.00  | 17 | 11 | PHG BX42EP  |  |              |               |    |  |   |             |
|         | 1130         | 1092          | 43.00  | 17 | 11 | PHG BX43EP  |  |              |               |    |  |   |             |
|         | 1160         | 1118          | 44.00  | 17 | 11 | PHG BX44EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1180         | 1143          | 45.00  | 17 | 11 | PHG BX45EP  |  |              |               |    |  |   |             |
|         | 1210         | 1168          | 46.00  | 17 | 11 | PHG BX46EP  |  |              |               |    |  |   |             |
|         | 1240         | 1194          | 47.00  | 17 | 11 | PHG BX47EP  |  |              |               |    |  |   |             |
|         | 1260         | 1219          | 48.00  | 17 | 11 | PHG BX48EP  |  |              |               |    |  |   |             |
|         | 1290         | 1245          | 49.00  | 17 | 11 | PHG BX49EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1310         | 1270          | 50.00  | 17 | 11 | PHG BX50EP  |  |              |               |    |  |   |             |
|         | 1340         | 1295          | 51.00  | 17 | 11 | PHG BX51EP  |  |              |               |    |  |   |             |
|         | 1370         | 1321          | 52.00  | 17 | 11 | PHG BX52EP  |  |              |               |    |  |   |             |
|         | 1390         | 1346          | 53.00  | 17 | 11 | PHG BX53EP  |  |              |               |    |  |   |             |
|         | 1410         | 1372          | 54.00  | 17 | 11 | PHG BX54EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1440         | 1397          | 55.00  | 17 | 11 | PHG BX55EP  |  |              |               |    |  |   |             |
|         | 1460         | 1422          | 56.00  | 17 | 11 | PHG BX56EP  |  |              |               |    |  |   |             |
|         | 1490         | 1448          | 57.00  | 17 | 11 | PHG BX57EP  |  |              |               |    |  |   |             |
|         | 1510         | 1473          | 58.00  | 17 | 11 | PHG BX58EP  |  |              |               |    |  |   |             |
|         | 1540         | 1499          | 59.00  | 17 | 11 | PHG BX59EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1560         | 1524          | 60.00  | 17 | 11 | PHG BX60EP  |  |              |               |    |  |   |             |
|         | 1590         | 1549          | 61.00  | 17 | 11 | PHG BX61EP  |  |              |               |    |  |   |             |
|         | 1620         | 1575          | 62.00  | 17 | 11 | PHG BX62EP  |  |              |               |    |  |   |             |
|         | 1640         | 1600          | 63.00  | 17 | 11 | PHG BX63EP  |  |              |               |    |  |   |             |
|         | 1670         | 1626          | 64.00  | 17 | 11 | PHG BX64EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1690         | 1651          | 65.00  | 17 | 11 | PHG BX65EP  |  |              |               |    |  |   |             |
|         | 1720         | 1676          | 66.00  | 17 | 11 | PHG BX66EP  |  |              |               |    |  |   |             |
|         | 1740         | 1702          | 67.00  | 17 | 11 | PHG BX67EP  |  |              |               |    |  |   |             |
|         | 1760         | 1727          | 68.00  | 17 | 11 | PHG BX68EP  |  |              |               |    |  |   |             |
|         | 1800         | 1753          | 69.00  | 17 | 11 | PHG BX69EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1820         | 1778          | 70.00  | 17 | 11 | PHG BX70EP  |  |              |               |    |  |   |             |
|         | 1850         | 1803          | 71.00  | 17 | 11 | PHG BX71EP  |  |              |               |    |  |   |             |
|         | 1870         | 1829          | 72.00  | 17 | 11 | PHG BX72EP  |  |              |               |    |  |   |             |
|         | 1900         | 1854          | 73.00  | 17 | 11 | PHG BX73EP  |  |              |               |    |  |   |             |
|         | 1920         | 1880          | 74.00  | 17 | 11 | PHG BX74EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 1950         | 1905          | 75.00  | 17 | 11 | PHG BX75EP  |  |              |               |    |  |   |             |
|         | 1970         | 1930          | 76.00  | 17 | 11 | PHG BX76EP  |  |              |               |    |  |   |             |
|         | 2000         | 1956          | 77.00  | 17 | 11 | PHG BX77EP  |  |              |               |    |  |   |             |
|         | 2020         | 1981          | 78.00  | 17 | 11 | PHG BX78EP  |  |              |               |    |  |   |             |
|         | 2050         | 2007          | 79.00  | 17 | 11 | PHG BX79EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         | 2070         | 2032          | 80.00  | 17 | 11 | PHG BX80EP  |  |              |               |    |  |   |             |
|         | 2100         | 2057          | 81.00  | 17 | 11 | PHG BX81EP  |  |              |               |    |  |   |             |
|         | 2130         | 2083          | 82.00  | 17 | 11 | PHG BX82EP  |  |              |               |    |  |   |             |
|         | 2150         | 2108          | 83.00  | 17 | 11 | PHG BX83EP  |  |              |               |    |  |   |             |
|         | 2180         | 2134          | 84.00  | 17 | 11 | PHG BX84EP  |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |
|         |              |               |        |    |    |             |  |              |               |    |  |   |             |

Non-standard lengths are also available.

EPDM Cogged raw edge narrow wedge belts  
3VX/9NX | 5VX/15NX

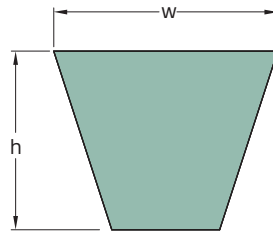


| Section  | Dimensions   |               |    |    | Designation   |
|----------|--------------|---------------|----|----|---------------|
|          | Pitch length | Inside length | w  | h  |               |
| –        | mm           |               | mm |    | –             |
| 3VX/9NX  | 635          | 25.0          | 9  | 8  | PHG 3VX250EP  |
|          | 673          | 26.5          | 9  | 8  | PHG 3VX265EP  |
|          | 711          | 28.0          | 9  | 8  | PHG 3VX280EP  |
|          | 762          | 30.0          | 9  | 8  | PHG 3VX300EP  |
|          | 800          | 31.5          | 9  | 8  | PHG 3VX315EP  |
|          | 851          | 33.5          | 9  | 8  | PHG 3VX335EP  |
|          | 902          | 35.5          | 9  | 8  | PHG 3VX355EP  |
|          | 953          | 37.5          | 9  | 8  | PHG 3VX375EP  |
|          | 1016         | 40.0          | 9  | 8  | PHG 3VX400EP  |
|          | 1080         | 42.5          | 9  | 8  | PHG 3VX425EP  |
|          | 1143         | 45.0          | 9  | 8  | PHG 3VX450EP  |
|          | 1207         | 47.5          | 9  | 8  | PHG 3VX475EP  |
|          | 1270         | 50.0          | 9  | 8  | PHG 3VX500EP  |
|          | 1346         | 53.0          | 9  | 8  | PHG 3VX530EP  |
|          | 1422         | 56.0          | 9  | 8  | PHG 3VX560EP  |
|          | 1524         | 60.0          | 9  | 8  | PHG 3VX600EP  |
|          | 1600         | 63.0          | 9  | 8  | PHG 3VX630EP  |
|          | 1702         | 67.0          | 9  | 8  | PHG 3VX670EP  |
|          | 1803         | 71.0          | 9  | 8  | PHG 3VX710EP  |
|          | 1905         | 75.0          | 9  | 8  | PHG 3VX750EP  |
|          | 2032         | 80.0          | 9  | 8  | PHG 3VX800EP  |
|          | 2159         | 85.0          | 9  | 8  | PHG 3VX850EP  |
|          | 2286         | 90.0          | 9  | 8  | PHG 3VX900EP  |
|          | 2413         | 95.0          | 9  | 8  | PHG 3VX950EP  |
|          | 2540         | 100.0         | 9  | 8  | PHG 3VX1000EP |
|          | 2692         | 106.0         | 9  | 8  | PHG 3VX1060EP |
|          | 2845         | 112.0         | 9  | 8  | PHG 3VX1120EP |
|          | 2997         | 118.0         | 9  | 8  | PHG 3VX1180EP |
|          | 3175         | 125.0         | 9  | 8  | PHG 3VX1250EP |
|          | 3353         | 132.0         | 9  | 8  | PHG 3VX1320EP |
|          | 3556         | 140.0         | 9  | 8  | PHG 3VX1400EP |
|          | 3810         | 150.0         | 9  | 8  | PHG 3VX1500EP |
| 5VX/15NX | 1270         | 50.0          | 15 | 13 | PHG 5VX500EP  |
|          | 1346         | 53.0          | 15 | 13 | PHG 5VX530EP  |
|          | 1422         | 56.0          | 15 | 13 | PHG 5VX560EP  |
|          | 1524         | 60.0          | 15 | 13 | PHG 5VX600EP  |
|          | 1600         | 63.0          | 15 | 13 | PHG 5VX630EP  |
|          | 1702         | 67.0          | 15 | 13 | PHG 5VX670EP  |
|          | 1803         | 71.0          | 15 | 13 | PHG 5VX710EP  |
|          | 1905         | 75.0          | 15 | 13 | PHG 5VX750EP  |
|          | 2032         | 80.0          | 15 | 13 | PHG 5VX800EP  |
|          | 2159         | 85.0          | 15 | 13 | PHG 5VX850EP  |
|          | 2286         | 90.0          | 15 | 13 | PHG 5VX900EP  |
|          | 2413         | 95.0          | 15 | 13 | PHG 5VX950EP  |
|          | 2540         | 100.0         | 15 | 13 | PHG 5VX1000EP |
|          | 2692         | 106.0         | 15 | 13 | PHG 5VX1060EP |
|          | 2845         | 112.0         | 15 | 13 | PHG 5VX1120EP |
|          | 2997         | 118.0         | 15 | 13 | PHG 5VX1180EP |
|          | 3175         | 125.0         | 15 | 13 | PHG 5VX1250EP |
|          | 3353         | 132.0         | 15 | 13 | PHG 5VX1320EP |
|          | 3556         | 140.0         | 15 | 13 | PHG 5VX1400EP |
|          | 3810         | 150.0         | 15 | 13 | PHG 5VX1500EP |

| Section  | Dimensions   |               |    |    | Designation   |
|----------|--------------|---------------|----|----|---------------|
|          | Pitch length | Inside length | w  | h  |               |
| –        | mm           |               | mm |    | –             |
| 5VX/15NX | 4 064        | 160.0         | 15 | 13 | PHG 5VX1600EP |
|          | 4 318        | 170.0         | 15 | 13 | PHG 5VX1700EP |
|          | 4 572        | 180.0         | 15 | 13 | PHG 5VX1800EP |
|          | 4 826        | 190.0         | 15 | 13 | PHG 5VX1900EP |
|          | 5 080        | 200.0         | 15 | 13 | PHG 5VX2000EP |

Non-standard lengths are also available.

XP2 Wrapped wedge belts  
SPZ XP | SPA XP | SPB XP



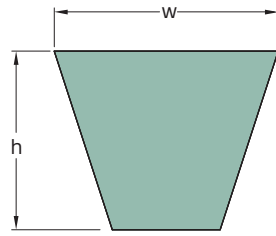
| Section | Dimensions   |     |   | Designation    |
|---------|--------------|-----|---|----------------|
|         | Pitch length | w   | h |                |
| –       | mm           | –   | – | –              |
| SPZ XP  | 875          | 9.7 | 8 | PHG SPZ875XP2  |
|         | 1202         | 9.7 | 8 | PHG SPZ1202XP2 |
|         | 1212         | 9.7 | 8 | PHG SPZ1212XP2 |
|         | 1237         | 9.7 | 8 | PHG SPZ1237XP2 |
|         | 1250         | 9.7 | 8 | PHG SPZ1250XP2 |
|         | 1262         | 9.7 | 8 | PHG SPZ1262XP2 |
|         | 1287         | 9.7 | 8 | PHG SPZ1287XP2 |
|         | 1312         | 9.7 | 8 | PHG SPZ1312XP2 |
|         | 1320         | 9.7 | 8 | PHG SPZ1320XP2 |
|         | 1337         | 9.7 | 8 | PHG SPZ1337XP2 |
|         | 1362         | 9.7 | 8 | PHG SPZ1362XP2 |
|         | 1387         | 9.7 | 8 | PHG SPZ1387XP2 |
|         | 1400         | 9.7 | 8 | PHG SPZ1400XP2 |
|         | 1412         | 9.7 | 8 | PHG SPZ1412XP2 |
|         | 1437         | 9.7 | 8 | PHG SPZ1437XP2 |
|         | 1462         | 9.7 | 8 | PHG SPZ1462XP2 |
|         | 1487         | 9.7 | 8 | PHG SPZ1487XP2 |
|         | 1500         | 9.7 | 8 | PHG SPZ1500XP2 |
|         | 1512         | 9.7 | 8 | PHG SPZ1512XP2 |
|         | 1537         | 9.7 | 8 | PHG SPZ1537XP2 |
|         | 1562         | 9.7 | 8 | PHG SPZ1562XP2 |
|         | 1587         | 9.7 | 8 | PHG SPZ1587XP2 |
|         | 1600         | 9.7 | 8 | PHG SPZ1600XP2 |
|         | 1612         | 9.7 | 8 | PHG SPZ1612XP2 |
|         | 1637         | 9.7 | 8 | PHG SPZ1637XP2 |
|         | 1650         | 9.7 | 8 | PHG SPZ1650XP2 |
|         | 1662         | 9.7 | 8 | PHG SPZ1662XP2 |
|         | 1687         | 9.7 | 8 | PHG SPZ1687XP2 |
|         | 1700         | 9.7 | 8 | PHG SPZ1700XP2 |
|         | 1737         | 9.7 | 8 | PHG SPZ1737XP2 |
|         | 1762         | 9.7 | 8 | PHG SPZ1762XP2 |
|         | 1787         | 9.7 | 8 | PHG SPZ1787XP2 |
|         | 1800         | 9.7 | 8 | PHG SPZ1800XP2 |
|         | 1837         | 9.7 | 8 | PHG SPZ1837XP2 |
|         | 1862         | 9.7 | 8 | PHG SPZ1862XP2 |
|         | 1887         | 9.7 | 8 | PHG SPZ1887XP2 |
|         | 1900         | 9.7 | 8 | PHG SPZ1900XP2 |
|         | 1937         | 9.7 | 8 | PHG SPZ1937XP2 |
|         | 1987         | 9.7 | 8 | PHG SPZ1987XP2 |
|         | 2000         | 9.7 | 8 | PHG SPZ2000XP2 |
|         | 2037         | 9.7 | 8 | PHG SPZ2037XP2 |
|         | 2120         | 9.7 | 8 | PHG SPZ2120XP2 |
|         | 2137         | 9.7 | 8 | PHG SPZ2137XP2 |
|         | 2187         | 9.7 | 8 | PHG SPZ2187XP2 |
|         | 2240         | 9.7 | 8 | PHG SPZ2240XP2 |
|         | 2287         | 9.7 | 8 | PHG SPZ2287XP2 |
|         | 2360         | 9.7 | 8 | PHG SPZ2360XP2 |
|         | 2500         | 9.7 | 8 | PHG SPZ2500XP2 |
|         | 2650         | 9.7 | 8 | PHG SPZ2650XP2 |
|         | 2800         | 9.7 | 8 | PHG SPZ2800XP2 |
|         | 3000         | 9.7 | 8 | PHG SPZ3000XP2 |
|         | 3150         | 9.7 | 8 | PHG SPZ3150XP2 |
|         | 3350         | 9.7 | 8 | PHG SPZ3350XP2 |
|         | 3550         | 9.7 | 8 | PHG SPZ3550XP2 |

| Section | Dimensions   |      |    | Designation    |
|---------|--------------|------|----|----------------|
|         | Pitch length | w    | h  |                |
| –       | mm           | –    | –  | –              |
| SPA XP  | 1207         | 12.7 | 10 | PHG SPA1207XP2 |
|         | 1232         | 12.7 | 10 | PHG SPA1232XP2 |
|         | 1250         | 12.7 | 10 | PHG SPA1250XP2 |
|         | 1257         | 12.7 | 10 | PHG SPA1257XP2 |
|         | 1282         | 12.7 | 10 | PHG SPA1282XP2 |
|         | 1307         | 12.7 | 10 | PHG SPA1307XP2 |
|         | 1320         | 12.7 | 10 | PHG SPA1320XP2 |
|         | 1332         | 12.7 | 10 | PHG SPA1332XP2 |
|         | 1357         | 12.7 | 10 | PHG SPA1357XP2 |
|         | 1382         | 12.7 | 10 | PHG SPA1382XP2 |
|         | 1400         | 12.7 | 10 | PHG SPA1400XP2 |
|         | 1407         | 12.7 | 10 | PHG SPA1407XP2 |
|         | 1432         | 12.7 | 10 | PHG SPA1432XP2 |
|         | 1457         | 12.7 | 10 | PHG SPA1457XP2 |
|         | 1482         | 12.7 | 10 | PHG SPA1482XP2 |
|         | 1500         | 12.7 | 10 | PHG SPA1500XP2 |
|         | 1507         | 12.7 | 10 | PHG SPA1507XP2 |
|         | 1532         | 12.7 | 10 | PHG SPA1532XP2 |
|         | 1557         | 12.7 | 10 | PHG SPA1557XP2 |
|         | 1582         | 12.7 | 10 | PHG SPA1582XP2 |
|         | 1600         | 12.7 | 10 | PHG SPA1600XP2 |
|         | 1607         | 12.7 | 10 | PHG SPA1607XP2 |
|         | 1632         | 12.7 | 10 | PHG SPA1632XP2 |
|         | 1657         | 12.7 | 10 | PHG SPA1657XP2 |
|         | 1682         | 12.7 | 10 | PHG SPA1682XP2 |
|         | 1700         | 12.7 | 10 | PHG SPA1700XP2 |
|         | 1707         | 12.7 | 10 | PHG SPA1707XP2 |
|         | 1732         | 12.7 | 10 | PHG SPA1732XP2 |
|         | 1757         | 12.7 | 10 | PHG SPA1757XP2 |
|         | 1782         | 12.7 | 10 | PHG SPA1782XP2 |
|         | 1800         | 12.7 | 10 | PHG SPA1800XP2 |
|         | 1807         | 12.7 | 10 | PHG SPA1807XP2 |
|         | 1832         | 12.7 | 10 | PHG SPA1832XP2 |
|         | 1857         | 12.7 | 10 | PHG SPA1857XP2 |
|         | 1882         | 12.7 | 10 | PHG SPA1882XP2 |
|         | 1900         | 12.7 | 10 | PHG SPA1900XP2 |
|         | 1907         | 12.7 | 10 | PHG SPA1907XP2 |
|         | 1932         | 12.7 | 10 | PHG SPA1932XP2 |
|         | 1957         | 12.7 | 10 | PHG SPA1957XP2 |
|         | 1982         | 12.7 | 10 | PHG SPA1982XP2 |
|         | 2000         | 12.7 | 10 | PHG SPA2000XP2 |
|         | 2032         | 12.7 | 10 | PHG SPA2032XP2 |
|         | 2057         | 12.7 | 10 | PHG SPA2057XP2 |
|         | 2082         | 12.7 | 10 | PHG SPA2082XP2 |
|         | 2120         | 12.7 | 10 | PHG SPA2120XP2 |
|         | 2132         | 12.7 | 10 | PHG SPA2132XP2 |
|         | 2182         | 12.7 | 10 | PHG SPA2182XP2 |
|         | 2207         | 12.7 | 10 | PHG SPA2207XP2 |
|         | 2232         | 12.7 | 10 | PHG SPA2232XP2 |
|         | 2240         | 12.7 | 10 | PHG SPA2240XP2 |
|         | 2282         | 12.7 | 10 | PHG SPA2282XP2 |
|         | 2300         | 12.7 | 10 | PHG SPA2300XP2 |
|         | 2307         | 12.7 | 10 | PHG SPA2307XP2 |
|         | 2332         | 12.7 | 10 | PHG SPA2332XP2 |
|         | 2360         | 12.7 | 10 | PHG SPA2360XP2 |

| Section | Dimensions   |      |    | Designation    |
|---------|--------------|------|----|----------------|
|         | Pitch length | w    | h  |                |
| –       | mm           | –    | –  | –              |
| SPA XP  | 2382         | 12.7 | 10 | PHG SPA2382XP2 |
|         | 2432         | 12.7 | 10 | PHG SPA2432XP2 |
|         | 2482         | 12.7 | 10 | PHG SPA2482XP2 |
|         | 2500         | 12.7 | 10 | PHG SPA2500XP2 |
|         | 2532         | 12.7 | 10 | PHG SPA2532XP2 |
|         | 2582         | 12.7 | 10 | PHG SPA2582XP2 |
|         | 2607         | 12.7 | 10 | PHG SPA2607XP2 |
|         | 2632         | 12.7 | 10 | PHG SPA2632XP2 |
|         | 2650         | 12.7 | 10 | PHG SPA2650XP2 |
|         | 2682         | 12.7 | 10 | PHG SPA2682XP2 |
|         | 2732         | 12.7 | 10 | PHG SPA2732XP2 |
|         | 2782         | 12.7 | 10 | PHG SPA2782XP2 |
|         | 2800         | 12.7 | 10 | PHG SPA2800XP2 |
|         | 2832         | 12.7 | 10 | PHG SPA2832XP2 |
|         | 2847         | 12.7 | 10 | PHG SPA2847XP2 |
|         | 2882         | 12.7 | 10 | PHG SPA2882XP2 |
|         | 2932         | 12.7 | 10 | PHG SPA2932XP2 |
|         | 2982         | 12.7 | 10 | PHG SPA2982XP2 |
|         | 3000         | 12.7 | 10 | PHG SPA3000XP2 |
|         | 3032         | 12.7 | 10 | PHG SPA3032XP2 |
|         | 3082         | 12.7 | 10 | PHG SPA3082XP2 |
|         | 3150         | 12.7 | 10 | PHG SPA3150XP2 |
|         | 3182         | 12.7 | 10 | PHG SPA3182XP2 |
|         | 3282         | 12.7 | 10 | PHG SPA3282XP2 |
|         | 3350         | 12.7 | 10 | PHG SPA3350XP2 |
|         | 3382         | 12.7 | 10 | PHG SPA3382XP2 |
|         | 3550         | 12.7 | 10 | PHG SPA3550XP2 |
|         | 3750         | 12.7 | 10 | PHG SPA3750XP2 |
|         | 4000         | 12.7 | 10 | PHG SPA4000XP2 |
|         | 1250         | 16.3 | 13 | PHG SPB1250XP2 |
| SPB XP  | 1260         | 16.3 | 13 | PHG SPB1260XP2 |
|         | 1270         | 16.3 | 13 | PHG SPB1270XP2 |
|         | 1280         | 16.3 | 13 | PHG SPB1280XP2 |
|         | 1320         | 16.3 | 13 | PHG SPB1320XP2 |
|         | 1340         | 16.3 | 13 | PHG SPB1340XP2 |
|         | 1400         | 16.3 | 13 | PHG SPB1400XP2 |
|         | 1410         | 16.3 | 13 | PHG SPB1410XP2 |
|         | 1450         | 16.3 | 13 | PHG SPB1450XP2 |
|         | 1500         | 16.3 | 13 | PHG SPB1500XP2 |
|         | 1525         | 16.3 | 13 | PHG SPB1525XP2 |
|         | 1550         | 16.3 | 13 | PHG SPB1550XP2 |
|         | 1590         | 16.3 | 13 | PHG SPB1590XP2 |
|         | 1600         | 16.3 | 13 | PHG SPB1600XP2 |
|         | 1650         | 16.3 | 13 | PHG SPB1650XP2 |
|         | 1690         | 16.3 | 13 | PHG SPB1690XP2 |
|         | 1700         | 16.3 | 13 | PHG SPB1700XP2 |
|         | 1720         | 16.3 | 13 | PHG SPB1720XP2 |
|         | 1750         | 16.3 | 13 | PHG SPB1750XP2 |
|         | 1800         | 16.3 | 13 | PHG SPB1800XP2 |
|         | 1850         | 16.3 | 13 | PHG SPB1850XP2 |
|         | 1900         | 16.3 | 13 | PHG SPB1900XP2 |
|         | 1950         | 16.3 | 13 | PHG SPB1950XP2 |
|         | 2000         | 16.3 | 13 | PHG SPB2000XP2 |
|         | 2020         | 16.3 | 13 | PHG SPB2020XP2 |

Non-standard lengths are also available.

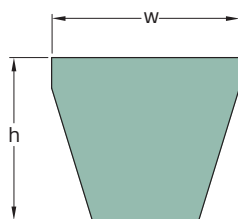
XP2 Wrapped wedge belts  
SPZ XP | SPA XP | SPB XP



| Section | Dimensions   |      |    | Designation     |
|---------|--------------|------|----|-----------------|
|         | Pitch length | w    | h  |                 |
| –       | mm           | –    | –  | –               |
| SPB XP  | 2 050        | 16.3 | 13 | PHG SPB2050XP2  |
|         | 2 060        | 16.3 | 13 | PHG SPB2060XP2  |
|         | 2 120        | 16.3 | 13 | PHG SPB2120XP2  |
|         | 2 150        | 16.3 | 13 | PHG SPB2150XP2  |
|         | 2 180        | 16.3 | 13 | PHG SPB2180XP2  |
|         | 2 200        | 16.3 | 13 | PHG SPB2200XP2  |
|         | 2 240        | 16.3 | 13 | PHG SPB2240XP2  |
|         | 2 280        | 16.3 | 13 | PHG SPB2280XP2  |
|         | 2 300        | 16.3 | 13 | PHG SPB2300XP2  |
|         | 2 360        | 16.3 | 13 | PHG SPB2360XP2  |
|         | 2 400        | 16.3 | 13 | PHG SPB2400XP2  |
|         | 2 410        | 16.3 | 13 | PHG SPB2410XP2  |
|         | 2 430        | 16.3 | 13 | PHG SPB2430XP2  |
|         | 2 500        | 16.3 | 13 | PHG SPB2500XP2  |
|         | 2 530        | 16.3 | 13 | PHG SPB2530XP2  |
|         | 2 580        | 16.3 | 13 | PHG SPB2580XP2  |
|         | 2 600        | 16.3 | 13 | PHG SPB2600XP2  |
|         | 2 650        | 16.3 | 13 | PHG SPB2650XP2  |
|         | 2 680        | 16.3 | 13 | PHG SPB2680XP2  |
|         | 2 700        | 16.3 | 13 | PHG SPB2700XP2  |
|         | 2 720        | 16.3 | 13 | PHG SPB2720XP2  |
|         | 2 750        | 16.3 | 13 | PHG SPB2750XP2  |
|         | 2 800        | 16.3 | 13 | PHG SPB2800XP2  |
|         | 2 840        | 16.3 | 13 | PHG SPB2840XP2  |
|         | 2 900        | 16.3 | 13 | PHG SPB2900XP2  |
|         | 2 990        | 16.3 | 13 | PHG SPB2990XP2  |
|         | 3 000        | 16.3 | 13 | PHG SPB3000XP2  |
|         | 3 070        | 16.3 | 13 | PHG SPB3070XP2  |
|         | 3 150        | 16.3 | 13 | PHG SPB3150XP2  |
|         | 3 170        | 16.3 | 13 | PHG SPB3170XP2  |
|         | 3 200        | 16.3 | 13 | PHG SPB3200XP2  |
|         | 3 250        | 16.3 | 13 | PHG SPB3250XP2  |
|         | 3 350        | 16.3 | 13 | PHG SPB3350XP2  |
|         | 3 400        | 16.3 | 13 | PHG SPB3400XP2  |
|         | 3 450        | 16.3 | 13 | PHG SPB3450XP2  |
|         | 3 550        | 16.3 | 13 | PHG SPB3550XP2  |
|         | 3 650        | 16.3 | 13 | PHG SPB3650XP2  |
|         | 3 675        | 16.3 | 13 | PHG SPB3675XP2  |
|         | 3 750        | 16.3 | 13 | PHG SPB3750XP2  |
|         | 3 800        | 16.3 | 13 | PHG SPB3800XP2  |
|         | 3 870        | 16.3 | 13 | PHG SPB3870XP2  |
|         | 4 000        | 16.3 | 13 | PHG SPB4000XP2  |
|         | 4 060        | 16.3 | 13 | PHG SPB4060XP2  |
|         | 4 120        | 16.3 | 13 | PHG SPB4120XP2  |
|         | 4 250        | 16.3 | 13 | PHG SPB4250XP2  |
|         | 4 310        | 16.3 | 13 | PHG SPB4310XP2  |
|         | 4 370        | 16.3 | 13 | PHG SPB4370XP2  |
|         | 4 500        | 16.3 | 13 | PHG SPB4500XP2  |
|         | 4 560        | 16.3 | 13 | PHG SPB4560XP2  |
|         | 4 620        | 16.3 | 13 | PHG SPB4620XP2  |
|         | 4 750        | 16.3 | 13 | PHG SPB4750XP2  |
|         | 4 820        | 16.3 | 13 | PHG SPB4820XP2  |
|         | 5 000        | 16.3 | 13 | PHG SPB5000XP2  |
|         | 5 070        | 16.3 | 13 | PHG SPB5070XP2  |
|         | 5 200        | 16.3 | 13 | PHG SPB5200XP2  |
| SPB XP  | 5 300        | 16.3 | 13 | PHG SPB5300XP2  |
|         | 5 380        | 16.3 | 13 | PHG SPB5380XP2  |
|         | 5 600        | 16.3 | 13 | PHG SPB5600XP2  |
|         | 6 000        | 16.3 | 13 | PHG SPB6000XP2  |
|         | 6 300        | 16.3 | 13 | PHG SPB6300XP2  |
|         | 6 700        | 16.3 | 13 | PHG SPB6700XP2  |
|         | 7 100        | 16.3 | 13 | PHG SPB7100XP2  |
|         | 7 500        | 16.3 | 13 | PHG SPB7500XP2  |
|         | 8 000        | 16.3 | 13 | PHG SPB8000XP2  |
| SPC XP  | 2 000        | 22.0 | 18 | PHG SPC2000XP2  |
|         | 2 120        | 22.0 | 18 | PHG SPC2120XP2  |
|         | 2 240        | 22.0 | 18 | PHG SPC2240XP2  |
|         | 2 360        | 22.0 | 18 | PHG SPC2360XP2  |
|         | 2 500        | 22.0 | 18 | PHG SPC2500XP2  |
|         | 2 650        | 22.0 | 18 | PHG SPC2650XP2  |
|         | 2 800        | 22.0 | 18 | PHG SPC2800XP2  |
|         | 2 950        | 22.0 | 18 | PHG SPC2950XP2  |
|         | 3 000        | 22.0 | 18 | PHG SPC3000XP2  |
|         | 3 050        | 22.0 | 18 | PHG SPC3050XP2  |
|         | 3 100        | 22.0 | 18 | PHG SPC3100XP2  |
|         | 3 150        | 22.0 | 18 | PHG SPC3150XP2  |
|         | 3 350        | 22.0 | 18 | PHG SPC3350XP2  |
|         | 3 550        | 22.0 | 18 | PHG SPC3550XP2  |
|         | 3 750        | 22.0 | 18 | PHG SPC3750XP2  |
|         | 4 000        | 22.0 | 18 | PHG SPC4000XP2  |
|         | 4 100        | 22.0 | 18 | PHG SPC4100XP2  |
|         | 4 250        | 22.0 | 18 | PHG SPC4250XP2  |
|         | 4 380        | 22.0 | 18 | PHG SPC4380XP2  |
|         | 4 500        | 22.0 | 18 | PHG SPC4500XP2  |
|         | 4 750        | 22.0 | 18 | PHG SPC4750XP2  |
|         | 5 000        | 22.0 | 18 | PHG SPC5000XP2  |
|         | 5 300        | 22.0 | 18 | PHG SPC5300XP2  |
|         | 5 600        | 22.0 | 18 | PHG SPC5600XP2  |
|         | 5 750        | 22.0 | 18 | PHG SPC5750XP2  |
|         | 6 000        | 22.0 | 18 | PHG SPC6000XP2  |
|         | 6 300        | 22.0 | 18 | PHG SPC6300XP2  |
|         | 6 700        | 22.0 | 18 | PHG SPC6700XP2  |
|         | 7 100        | 22.0 | 18 | PHG SPC7100XP2  |
|         | 7 500        | 22.0 | 18 | PHG SPC7500XP2  |
|         | 8 000        | 22.0 | 18 | PHG SPC8000XP2  |
|         | 8 500        | 22.0 | 18 | PHG SPC8500XP2  |
|         | 9 000        | 22.0 | 18 | PHG SPC9000XP2  |
|         | 9 500        | 22.0 | 18 | PHG SPC9500XP2  |
|         | 10 000       | 22.0 | 18 | PHG SPC10000XP2 |
|         | 11 200       | 22.0 | 18 | PHG SPC11200XP2 |
|         | 11 800       | 22.0 | 18 | PHG SPC11800XP2 |

Non-standard lengths are also available.

XP2 Wrapped narrow wedge belts  
3V XP | 5V XP | 8V XP

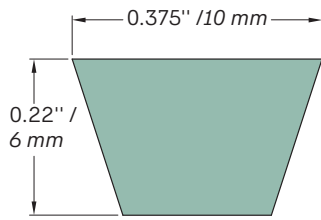


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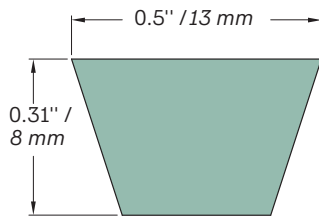
| Section | Dimensions   |               | Designation |    |               |
|---------|--------------|---------------|-------------|----|---------------|
|         | Pitch length | Inside length | w           | h  |               |
| –       | mm           |               | mm          | –  |               |
| 3V XP   | 1 080        | 42.5          | 9           | 8  | PHG 3V425XP2  |
|         | 1 206        | 47.5          | 9           | 8  | PHG 3V475XP2  |
|         | 1 270        | 50.0          | 9           | 8  | PHG 3V500XP2  |
|         | 1 346        | 53.0          | 9           | 8  | PHG 3V530XP2  |
|         | 1 422        | 56.0          | 9           | 8  | PHG 3V560XP2  |
|         | 1 524        | 60.0          | 9           | 8  | PHG 3V600XP2  |
|         | 1 600        | 63.0          | 9           | 8  | PHG 3V630XP2  |
|         | 1 702        | 67.0          | 9           | 8  | PHG 3V670XP2  |
|         | 1 803        | 71.0          | 9           | 8  | PHG 3V710XP2  |
|         | 1 905        | 75.0          | 9           | 8  | PHG 3V750XP2  |
|         | 2 032        | 80.0          | 9           | 8  | PHG 3V800XP2  |
|         | 2 159        | 85.0          | 9           | 8  | PHG 3V850XP2  |
|         | 2 286        | 90.0          | 9           | 8  | PHG 3V900XP2  |
|         | 2 413        | 95.0          | 9           | 8  | PHG 3V950XP2  |
|         | 2 540        | 100.0         | 9           | 8  | PHG 3V1000XP2 |
|         | 2 692        | 106.0         | 9           | 8  | PHG 3V1060XP2 |
|         | 2 845        | 112.0         | 9           | 8  | PHG 3V1120XP2 |
|         | 2 997        | 118.0         | 9           | 8  | PHG 3V1180XP2 |
|         | 3 175        | 125.0         | 9           | 8  | PHG 3V1250XP2 |
|         | 3 353        | 132.0         | 9           | 8  | PHG 3V1320XP2 |
| 5V XP   | 3 556        | 140.0         | 9           | 8  | PHG 3V1400XP2 |
|         | 1 346        | 53.0          | 15          | 13 | PHG 5V530XP2  |
|         | 1 422        | 56.0          | 15          | 13 | PHG 5V560XP2  |
|         | 1 524        | 60.0          | 15          | 13 | PHG 5V600XP2  |
|         | 1 600        | 63.0          | 15          | 13 | PHG 5V630XP2  |
|         | 1 702        | 67.0          | 15          | 13 | PHG 5V670XP2  |
|         | 1 803        | 71.0          | 15          | 13 | PHG 5V710XP2  |
|         | 1 905        | 75.0          | 15          | 13 | PHG 5V750XP2  |
|         | 2 032        | 80.0          | 15          | 13 | PHG 5V800XP2  |
|         | 2 159        | 85.0          | 15          | 13 | PHG 5V850XP2  |
|         | 2 286        | 90.0          | 15          | 13 | PHG 5V900XP2  |
|         | 2 413        | 95.0          | 15          | 13 | PHG 5V950XP2  |
|         | 2 540        | 100.0         | 15          | 13 | PHG 5V1000XP2 |
|         | 2 692        | 106.0         | 15          | 13 | PHG 5V1060XP2 |
|         | 2 845        | 112.0         | 15          | 13 | PHG 5V1120XP2 |
|         | 2 997        | 118.0         | 15          | 13 | PHG 5V1180XP2 |
|         | 3 175        | 125.0         | 15          | 13 | PHG 5V1250XP2 |
|         | 3 353        | 132.0         | 15          | 13 | PHG 5V1320XP2 |
|         | 3 556        | 140.0         | 15          | 13 | PHG 5V1400XP2 |
|         | 3 810        | 150.0         | 15          | 13 | PHG 5V1500XP2 |
|         | 4 064        | 160.0         | 15          | 13 | PHG 5V1600XP2 |
| 8V XP   | 4 318        | 170.0         | 15          | 13 | PHG 5V1700XP2 |
|         | 4 572        | 180.0         | 15          | 13 | PHG 5V1800XP2 |
|         | 4 826        | 190.0         | 15          | 13 | PHG 5V1900XP2 |
|         | 5 080        | 200.0         | 15          | 13 | PHG 5V2000XP2 |
|         | 5 385        | 212.0         | 15          | 13 | PHG 5V2120XP2 |
|         | 5 690        | 224.0         | 15          | 13 | PHG 5V2240XP2 |
|         | 5 994        | 236.0         | 15          | 13 | PHG 5V2360XP2 |
|         | 6 350        | 250.0         | 15          | 13 | PHG 5V2500XP2 |
|         | 6 731        | 265.0         | 15          | 13 | PHG 5V2650XP2 |
|         | 7 112        | 280.0         | 15          | 13 | PHG 5V2800XP2 |
|         | 7 620        | 300.0         | 15          | 13 | PHG 5V3000XP2 |
|         | 8 001        | 315.0         | 15          | 13 | PHG 5V3150XP2 |
|         | 2 540        | 100.0         | 25          | 23 | PHG 8V1000XP2 |
|         | 2 692        | 106.0         | 25          | 23 | PHG 8V1060XP2 |
|         | 2 845        | 112.0         | 25          | 23 | PHG 8V1120XP2 |
|         | 2 997        | 118.0         | 25          | 23 | PHG 8V1180XP2 |
|         | 3 175        | 125.0         | 25          | 23 | PHG 8V1250XP2 |
|         | 3 353        | 132.0         | 25          | 23 | PHG 8V1320XP2 |
|         | 3 556        | 140.0         | 25          | 23 | PHG 8V1400XP2 |
|         | 3 810        | 150.0         | 25          | 23 | PHG 8V1500XP2 |
|         | 4 064        | 160.0         | 25          | 23 | PHG 8V1600XP2 |
|         | 4 318        | 170.0         | 25          | 23 | PHG 8V1700XP2 |
|         | 4 572        | 180.0         | 25          | 23 | PHG 8V1800XP2 |
|         | 4 826        | 190.0         | 25          | 23 | PHG 8V1900XP2 |
|         | 5 080        | 200.0         | 25          | 23 | PHG 8V2000XP2 |
|         | 5 385        | 212.0         | 25          | 23 | PHG 8V2120XP2 |
|         | 5 690        | 224.0         | 25          | 23 | PHG 8V2240XP2 |
|         | 5 994        | 236.0         | 25          | 23 | PHG 8V2360XP2 |
|         | 6 350        | 250.0         | 25          | 23 | PHG 8V2500XP2 |
|         | 6 731        | 265.0         | 25          | 23 | PHG 8V2650XP2 |
|         | 7 112        | 280.0         | 25          | 23 | PHG 8V2800XP2 |
|         | 7 620        | 300.0         | 25          | 23 | PHG 8V3000XP2 |
|         | 8 001        | 315.0         | 25          | 23 | PHG 8V3150XP2 |

Non-standard lengths are also available.

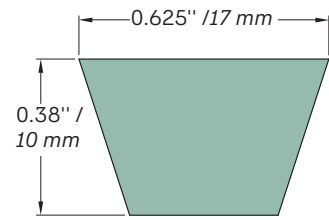
XP Lawn and garden V-belts  
3L | 4L



3L



4L



5L

| Section | Dimensions   |      |      |             | Designation |
|---------|--------------|------|------|-------------|-------------|
|         | Pitch length | w    |      | h           |             |
|         |              | mm   | in.  | mm          | in.         |
| 3L      | 10           | 381  | 15.0 | PHG 3L150XP |             |
|         | 10           | 406  | 16.0 | PHG 3L160XP |             |
|         | 10           | 432  | 17.0 | PHG 3L170XP |             |
|         | 10           | 457  | 18.0 | PHG 3L180XP |             |
|         | 10           | 483  | 19.0 | PHG 3L190XP |             |
|         | 10           | 508  | 20.0 | PHG 3L200XP |             |
|         | 10           | 533  | 21.0 | PHG 3L210XP |             |
|         | 10           | 559  | 22.0 | PHG 3L220XP |             |
|         | 10           | 584  | 23.0 | PHG 3L230XP |             |
|         | 10           | 610  | 24.0 | PHG 3L240XP |             |
|         | 10           | 635  | 25.0 | PHG 3L250XP |             |
|         | 10           | 660  | 26.0 | PHG 3L260XP |             |
|         | 10           | 673  | 26.5 | PHG 3L265XP |             |
|         | 10           | 686  | 27.0 | PHG 3L270XP |             |
|         | 10           | 711  | 28.0 | PHG 3L280XP |             |
|         | 10           | 737  | 29.0 | PHG 3L290XP |             |
|         | 10           | 762  | 30.0 | PHG 3L300XP |             |
|         | 10           | 787  | 31.0 | PHG 3L310XP |             |
|         | 10           | 813  | 32.0 | PHG 3L320XP |             |
|         | 10           | 838  | 33.0 | PHG 3L330XP |             |
|         | 10           | 864  | 34.0 | PHG 3L340XP |             |
|         | 10           | 889  | 35.0 | PHG 3L350XP |             |
|         | 10           | 914  | 36.0 | PHG 3L360XP |             |
|         | 10           | 940  | 37.0 | PHG 3L370XP |             |
|         | 10           | 965  | 38.0 | PHG 3L380XP |             |
|         | 10           | 991  | 39.0 | PHG 3L390XP |             |
|         | 10           | 1016 | 40.0 | PHG 3L400XP |             |
|         | 10           | 1041 | 41.0 | PHG 3L410XP |             |
|         | 10           | 1054 | 41.5 | PHG 3L415XP |             |
|         | 10           | 1067 | 42.0 | PHG 3L420XP |             |
|         | 10           | 1092 | 43.0 | PHG 3L430XP |             |
|         | 10           | 1118 | 44.0 | PHG 3L440XP |             |
|         | 10           | 1143 | 45.0 | PHG 3L450XP |             |
|         | 10           | 1168 | 46.0 | PHG 3L460XP |             |
|         | 10           | 1194 | 47.0 | PHG 3L470XP |             |
|         | 10           | 1219 | 48.0 | PHG 3L480XP |             |
|         | 10           | 1245 | 49.0 | PHG 3L490XP |             |
|         | 10           | 1270 | 50.0 | PHG 3L500XP |             |
|         | 10           | 1295 | 51.0 | PHG 3L510XP |             |
|         | 10           | 1321 | 52.0 | PHG 3L520XP |             |
|         | 10           | 1346 | 53.0 | PHG 3L530XP |             |
|         | 10           | 1372 | 54.0 | PHG 3L540XP |             |
|         | 10           | 1397 | 55.0 | PHG 3L550XP |             |
|         | 10           | 1422 | 56.0 | PHG 3L560XP |             |
|         | 10           | 1448 | 57.0 | PHG 3L570XP |             |
|         | 10           | 1473 | 58.0 | PHG 3L580XP |             |
|         | 10           | 1499 | 59.0 | PHG 3L590XP |             |
|         | 10           | 1524 | 60.0 | PHG 3L600XP |             |
|         | 10           | 1549 | 61.0 | PHG 3L610XP |             |
|         | 10           | 1575 | 62.0 | PHG 3L620XP |             |
|         | 10           | 1600 | 63.0 | PHG 3L630XP |             |
|         | 10           | 1753 | 69.0 | PHG 3L690XP |             |
|         | 10           | 1803 | 71.0 | PHG 3L710XP |             |
|         | 10           | 1880 | 74.0 | PHG 3L740XP |             |
|         | 10           | 1905 | 75.0 | PHG 3L750XP |             |

| Section | Dimensions   |      |      |             | Designation |
|---------|--------------|------|------|-------------|-------------|
|         | Pitch length | w    |      | h           |             |
|         |              | mm   | in.  | mm          | in.         |
| 4L      | 13           | 356  | 14.0 | PHG 4L140XP |             |
|         | 13           | 381  | 15.0 | PHG 4L150XP |             |
|         | 13           | 406  | 16.0 | PHG 4L160XP |             |
|         | 13           | 432  | 17.0 | PHG 4L170XP |             |
|         | 13           | 457  | 18.0 | PHG 4L180XP |             |
|         | 13           | 483  | 19.0 | PHG 4L190XP |             |
|         | 13           | 508  | 20.0 | PHG 4L200XP |             |
|         | 13           | 533  | 21.0 | PHG 4L210XP |             |
|         | 13           | 546  | 21.5 | PHG 4L215XP |             |
|         | 13           | 559  | 22.0 | PHG 4L220XP |             |
|         | 13           | 584  | 23.0 | PHG 4L230XP |             |
|         | 13           | 610  | 24.0 | PHG 4L240XP |             |
|         | 13           | 635  | 25.0 | PHG 4L250XP |             |
|         | 13           | 660  | 26.0 | PHG 4L260XP |             |
|         | 13           | 686  | 27.0 | PHG 4L270XP |             |
|         | 13           | 711  | 28.0 | PHG 4L280XP |             |
|         | 13           | 737  | 29.0 | PHG 4L290XP |             |
|         | 13           | 762  | 30.0 | PHG 4L300XP |             |
|         | 13           | 775  | 30.5 | PHG 4L305XP |             |
|         | 13           | 787  | 31.0 | PHG 4L310XP |             |
|         | 13           | 813  | 32.0 | PHG 4L320XP |             |
|         | 13           | 838  | 33.0 | PHG 4L330XP |             |
|         | 13           | 864  | 34.0 | PHG 4L340XP |             |
|         | 13           | 889  | 35.0 | PHG 4L350XP |             |
|         | 13           | 914  | 36.0 | PHG 4L360XP |             |
|         | 13           | 940  | 37.0 | PHG 4L370XP |             |
|         | 13           | 965  | 38.0 | PHG 4L380XP |             |
|         | 13           | 991  | 39.0 | PHG 4L390XP |             |
|         | 13           | 1016 | 40.0 | PHG 4L400XP |             |
|         | 13           | 1029 | 40.5 | PHG 4L405XP |             |
|         | 13           | 1041 | 41.0 | PHG 4L410XP |             |
|         | 13           | 1067 | 42.0 | PHG 4L420XP |             |
|         | 13           | 1092 | 43.0 | PHG 4L430XP |             |
|         | 13           | 1118 | 44.0 | PHG 4L440XP |             |
|         | 13           | 1143 | 45.0 | PHG 4L450XP |             |
|         | 13           | 1168 | 46.0 | PHG 4L460XP |             |
|         | 13           | 1194 | 47.0 | PHG 4L470XP |             |
|         | 13           | 1219 | 48.0 | PHG 4L480XP |             |
|         | 13           | 1245 | 49.0 | PHG 4L490XP |             |
|         | 13           | 1270 | 50.0 | PHG 4L500XP |             |
|         | 13           | 1295 | 51.0 | PHG 4L510XP |             |
|         | 13           | 1321 | 52.0 | PHG 4L520XP |             |
|         | 13           | 1346 | 53.0 | PHG 4L530XP |             |
|         | 13           | 1372 | 54.0 | PHG 4L540XP |             |
|         | 13           | 1397 | 55.0 | PHG 4L550XP |             |
|         | 13           | 1422 | 56.0 | PHG 4L560XP |             |
|         | 13           | 1448 | 57.0 | PHG 4L570XP |             |
|         | 13           | 1473 | 58.0 | PHG 4L580XP |             |
|         | 13           | 1499 | 59.0 | PHG 4L590XP |             |
|         | 13           | 1524 | 60.0 | PHG 4L600XP |             |
|         | 13           | 1549 | 61.0 | PHG 4L610XP |             |
|         | 13           | 1575 | 62.0 | PHG 4L620XP |             |
|         | 13           | 1600 | 63.0 | PHG 4L630XP |             |
|         | 13           | 1626 | 64.0 | PHG 4L640XP |             |
|         | 13           | 1651 | 65.0 | PHG 4L650XP |             |

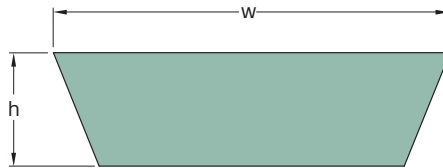
| Section | Dimensions   |      |       |              | Designation |
|---------|--------------|------|-------|--------------|-------------|
|         | Pitch length | w    |       | h            |             |
|         |              | mm   | in.   | mm           | in.         |
| 4L      | 13           | 1676 | 66.0  | PHG 4L660XP  |             |
|         | 13           | 1702 | 67.0  | PHG 4L670XP  |             |
|         | 13           | 1727 | 68.0  | PHG 4L680XP  |             |
|         | 13           | 1753 | 69.0  | PHG 4L690XP  |             |
|         | 13           | 1778 | 70.0  | PHG 4L700XP  |             |
|         | 13           | 1803 | 71.0  | PHG 4L710XP  |             |
|         | 13           | 1829 | 72.0  | PHG 4L720XP  |             |
|         | 13           | 1854 | 73.0  | PHG 4L730XP  |             |
|         | 13           | 1880 | 74.0  | PHG 4L740XP  |             |
|         | 13           | 1905 | 75.0  | PHG 4L750XP  |             |
|         | 13           | 1930 | 76.0  | PHG 4L760XP  |             |
|         | 13           | 1956 | 77.0  | PHG 4L770XP  |             |
|         | 13           | 1981 | 78.0  | PHG 4L780XP  |             |
|         | 13           | 2007 | 79.0  | PHG 4L790XP  |             |
|         | 13           | 2032 | 80.0  | PHG 4L800XP  |             |
|         | 13           | 2057 | 81.0  | PHG 4L810XP  |             |
|         | 13           | 2083 | 82.0  | PHG 4L820XP  |             |
|         | 13           | 2108 | 83.0  | PHG 4L830XP  |             |
|         | 13           | 2134 | 84.0  | PHG 4L840XP  |             |
|         | 13           | 2159 | 85.0  | PHG 4L850XP  |             |
|         | 13           | 2184 | 86.0  | PHG 4L860XP  |             |
|         | 13           | 2210 | 87.0  | PHG 4L870XP  |             |
|         | 13           | 2235 | 88.0  | PHG 4L880XP  |             |
|         | 13           | 2261 | 89.0  | PHG 4L890XP  |             |
|         | 13           | 2286 | 90.0  | PHG 4L900XP  |             |
|         | 13           | 2311 | 91.0  | PHG 4L910XP  |             |
|         | 13           | 2337 | 92.0  | PHG 4L920XP  |             |
|         | 13           | 2362 | 93.0  | PHG 4L930XP  |             |
|         | 13           | 2388 | 94.0  | PHG 4L940XP  |             |
|         | 13           | 2413 | 95.0  | PHG 4L950XP  |             |
|         | 13           | 2438 | 96.0  | PHG 4L960XP  |             |
|         | 13           | 2464 | 97.0  | PHG 4L970XP  |             |
|         | 13           | 2489 | 98.0  | PHG 4L980XP  |             |
|         | 13           | 2515 | 99.0  | PHG 4L990XP  |             |
|         | 13           | 2540 | 100.0 | PHG 4L1000XP |             |
|         | 13           | 2565 | 101.0 | PHG 4L1010XP |             |
|         | 13           | 2591 | 102.0 | PHG 4L1020XP |             |
|         | 13           | 2616 | 103.0 | PHG 4L1030XP |             |
|         | 13           | 2642 | 104.0 | PHG 4L1040XP |             |
|         | 13           | 2667 | 105.0 | PHG 4L1050XP |             |
|         | 13           | 2692 | 106.0 | PHG 4L1060XP |             |
|         | 13           | 2718 | 107.0 | PHG 4L1070XP |             |
|         | 13           | 2743 | 108.0 | PHG 4L1080XP |             |
|         | 13           | 2769 | 109.0 | PHG 4L1090XP |             |
|         | 13           | 2794 | 110.0 | PHG 4L1100XP |             |
|         | 13           | 2819 | 111.0 | PHG 4L1110XP |             |
|         | 13           | 2845 | 112.0 | PHG 4L1120XP |             |
|         | 13           | 2870 | 113.0 | PHG 4L1130XP |             |
|         | 13           | 2896 | 114.0 | PHG 4L1140XP |             |
|         | 13           | 2946 | 116.0 | PHG 4L1160XP |             |
|         | 13           | 2972 | 117.0 | PHG 4L1170XP |             |
|         | 13           | 3048 | 120.0 | PHG 4L1200XP |             |
|         | 13           | 3353 | 132.0 | PHG 4L1320XP |             |

# XP Lawn and garden V-belts 5L

| Section | Dimensions   |     |       |      | Designation |
|---------|--------------|-----|-------|------|-------------|
|         | Pitch length | w   |       | h    |             |
| –       | mm           | in. | mm    | in.  | –           |
| 5L      | 17           | 5/8 | 584   | 23.0 | PHG 5L230XP |
|         | 17           | 5/8 | 610   | 24.0 | PHG 5L240XP |
|         | 17           | 5/8 | 635   | 25.0 | PHG 5L250XP |
|         | 17           | 5/8 | 660   | 26.0 | PHG 5L260XP |
|         | 17           | 5/8 | 686   | 27.0 | PHG 5L270XP |
|         | 17           | 5/8 | 711   | 28.0 | PHG 5L280XP |
|         | 17           | 5/8 | 737   | 29.0 | PHG 5L290XP |
|         | 17           | 5/8 | 762   | 30.0 | PHG 5L300XP |
|         | 17           | 5/8 | 787   | 31.0 | PHG 5L310XP |
|         | 17           | 5/8 | 813   | 32.0 | PHG 5L320XP |
|         | 17           | 5/8 | 838   | 33.0 | PHG 5L330XP |
|         | 17           | 5/8 | 864   | 34.0 | PHG 5L340XP |
|         | 17           | 5/8 | 889   | 35.0 | PHG 5L350XP |
|         | 17           | 5/8 | 914   | 36.0 | PHG 5L360XP |
|         | 17           | 5/8 | 940   | 37.0 | PHG 5L370XP |
|         | 17           | 5/8 | 965   | 38.0 | PHG 5L380XP |
|         | 17           | 5/8 | 991   | 39.0 | PHG 5L390XP |
|         | 17           | 5/8 | 1016  | 40.0 | PHG 5L400XP |
|         | 17           | 5/8 | 1041  | 41.0 | PHG 5L410XP |
|         | 17           | 5/8 | 1067  | 42.0 | PHG 5L420XP |
|         | 17           | 5/8 | 1092  | 43.0 | PHG 5L430XP |
|         | 17           | 5/8 | 1118  | 44.0 | PHG 5L440XP |
|         | 17           | 5/8 | 1143  | 45.0 | PHG 5L450XP |
|         | 17           | 5/8 | 1168  | 46.0 | PHG 5L460XP |
|         | 17           | 5/8 | 1194  | 47.0 | PHG 5L470XP |
|         | 17           | 5/8 | 1219  | 48.0 | PHG 5L480XP |
|         | 17           | 5/8 | 1245  | 49.0 | PHG 5L490XP |
|         | 17           | 5/8 | 1270  | 50.0 | PHG 5L500XP |
|         | 17           | 5/8 | 1295  | 51.0 | PHG 5L510XP |
|         | 17           | 5/8 | 1321  | 52.0 | PHG 5L520XP |
|         | 17           | 5/8 | 1346  | 53.0 | PHG 5L530XP |
|         | 17           | 5/8 | 1372  | 54.0 | PHG 5L540XP |
|         | 17           | 5/8 | 1397  | 55.0 | PHG 5L550XP |
|         | 17           | 5/8 | 1422  | 56.0 | PHG 5L560XP |
|         | 17           | 5/8 | 1448  | 57.0 | PHG 5L570XP |
|         | 17           | 5/8 | 1473  | 58.0 | PHG 5L580XP |
|         | 17           | 5/8 | 1499  | 59.0 | PHG 5L590XP |
|         | 17           | 5/8 | 1524  | 60.0 | PHG 5L600XP |
|         | 17           | 5/8 | 1549  | 61.0 | PHG 5L610XP |
|         | 17           | 5/8 | 1575  | 62.0 | PHG 5L620XP |
|         | 17           | 5/8 | 1600  | 63.0 | PHG 5L630XP |
|         | 17           | 5/8 | 1626  | 64.0 | PHG 5L640XP |
|         | 17           | 5/8 | 1651  | 65.0 | PHG 5L650XP |
|         | 17           | 5/8 | 1676  | 66.0 | PHG 5L660XP |
|         | 17           | 5/8 | 1702  | 67.0 | PHG 5L670XP |
|         | 17           | 5/8 | 1727  | 68.0 | PHG 5L680XP |
|         | 17           | 5/8 | 1753  | 69.0 | PHG 5L690XP |
|         | 17           | 5/8 | 1778  | 70.0 | PHG 5L700XP |
|         | 17           | 5/8 | 1803  | 71.0 | PHG 5L710XP |
|         | 17           | 5/8 | 1829  | 72.0 | PHG 5L720XP |
|         | 17           | 5/8 | 1854  | 73.0 | PHG 5L730XP |
|         | 17           | 5/8 | 1880  | 74.0 | PHG 5L740XP |
|         | 17           | 5/8 | 1905  | 75.0 | PHG 5L750XP |
|         | 17           | 5/8 | 1930  | 76.0 | PHG 5L760XP |
|         | 17           | 5/8 | 1956  | 77.0 | PHG 5L770XP |
|         | 17           | 5/8 | 1981  | 78.0 | PHG 5L780XP |
|         | 17           | 5/8 | 2 007 | 79.0 | PHG 5L790XP |
|         | 17           | 5/8 | 2 032 | 80.0 | PHG 5L800XP |
|         | 17           | 5/8 | 2 057 | 81.0 | PHG 5L810XP |
|         | 17           | 5/8 | 2 083 | 82.0 | PHG 5L820XP |
|         | 17           | 5/8 | 2 108 | 83.0 | PHG 5L830XP |
|         | 17           | 5/8 | 2 134 | 84.0 | PHG 5L840XP |
|         | 17           | 5/8 | 2 159 | 85.0 | PHG 5L850XP |
|         | 17           | 5/8 | 2 184 | 86.0 | PHG 5L860XP |
|         | 17           | 5/8 | 2 210 | 87.0 | PHG 5L870XP |
|         | 17           | 5/8 | 2 235 | 88.0 | PHG 5L880XP |
|         | 17           | 5/8 | 2 261 | 89.0 | PHG 5L890XP |
|         | 17           | 5/8 | 2 286 | 90.0 | PHG 5L900XP |
|         | 17           | 5/8 | 2 311 | 91.0 | PHG 5L910XP |
|         | 17           | 5/8 | 2 337 | 92.0 | PHG 5L920XP |
|         | 17           | 5/8 | 2 362 | 93.0 | PHG 5L930XP |
|         | 17           | 5/8 | 2 388 | 94.0 | PHG 5L940XP |
|         | 17           | 5/8 | 2 413 | 95.0 | PHG 5L950XP |
|         | 17           | 5/8 | 2 438 | 96.0 | PHG 5L960XP |
|         | 17           | 5/8 | 2 464 | 97.0 | PHG 5L970XP |

| Section | Dimensions   |     |       |       | Designation  |
|---------|--------------|-----|-------|-------|--------------|
|         | Pitch length | w   |       | h     |              |
| –       | mm           | in. | mm    | in.   | –            |
| 5L      | 17           | 5/8 | 2 489 | 98.0  | PHG 5L980XP  |
|         | 17           | 5/8 | 2 515 | 99.0  | PHG 5L990XP  |
|         | 17           | 5/8 | 2 540 | 100.0 | PHG 5L1000XP |
|         | 17           | 5/8 | 2 565 | 101.0 | PHG 5L1010XP |
|         | 17           | 5/8 | 2 591 | 102.0 | PHG 5L1020XP |
|         | 17           | 5/8 | 2 616 | 103.0 | PHG 5L1030XP |
|         | 17           | 5/8 | 2 642 | 104.0 | PHG 5L1040XP |
|         | 17           | 5/8 | 2 667 | 105.0 | PHG 5L1050XP |
|         | 17           | 5/8 | 2 692 | 106.0 | PHG 5L1060XP |
|         | 17           | 5/8 | 2 718 | 107.0 | PHG 5L1070XP |
|         | 17           | 5/8 | 2 743 | 108.0 | PHG 5L1080XP |
|         | 17           | 5/8 | 2 769 | 109.0 | PHG 5L1090XP |
|         | 17           | 5/8 | 2 845 | 112.0 | PHG 5L1120XP |
|         | 17           | 5/8 | 2 896 | 114.0 | PHG 5L1140XP |
|         | 17           | 5/8 | 2 997 | 118.0 | PHG 5L1180XP |
|         | 17           | 5/8 | 3 048 | 120.0 | PHG 5L1200XP |
|         | 17           | 5/8 | 3 099 | 122.0 | PHG 5L1220XP |
|         | 17           | 5/8 | 3 150 | 124.0 | PHG 5L1240XP |
|         | 17           | 5/8 | 3 200 | 126.0 | PHG 5L1260XP |
|         | 17           | 5/8 | 3 251 | 128.0 | PHG 5L1280XP |
|         | 17           | 5/8 | 3 302 | 130.0 | PHG 5L1300XP |
|         | 17           | 5/8 | 3 353 | 132.0 | PHG 5L1320XP |
|         | 17           | 5/8 | 3 404 | 134.0 | PHG 5L1340XP |
|         | 17           | 5/8 | 3 454 | 136.0 | PHG 5L1360XP |
|         | 17           | 5/8 | 3 505 | 138.0 | PHG 5L1380XP |
|         | 17           | 5/8 | 3 556 | 140.0 | PHG 5L1400XP |

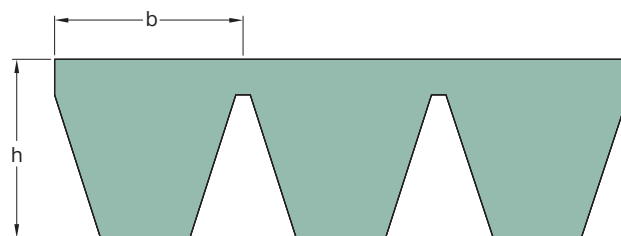
# Variable speed belts VS



| Section | Number of ribs | Dimensions   |       | Inside length | Designation |    |                  |
|---------|----------------|--------------|-------|---------------|-------------|----|------------------|
|         |                | Pitch length |       |               | w           | h  |                  |
| –       | –              | mm           | in.   | mm            | –           | –  | –                |
| VS      | 1              | 496          | 19.53 | 476           | 17          | 5  | PHG VS17X5X476   |
|         |                | 556          | 21.89 | 536           | 17          | 5  | PHG VS17X5X536   |
|         |                | 590          | 23.23 | 570           | 17          | 5  | PHG VS17X5X570   |
|         |                | 626          | 24.65 | 606           | 17          | 5  | PHG VS17X5X606   |
|         |                | 796          | 31.34 | 776           | 17          | 5  | PHG VS17X5X776   |
|         |                | 620          | 24.41 | 600           | 21          | 6  | PHG VS21X6X600   |
|         |                | 630          | 24.80 | 610           | 21          | 6  | PHG VS21X6X610   |
|         |                | 695          | 27.36 | 675           | 21          | 6  | PHG VS21X6X675   |
|         |                | 790          | 31.10 | 770           | 21          | 6  | PHG VS21X6X770   |
|         |                | 556          | 21.89 | 525           | 22          | 8  | PHG VS22X8X525   |
|         |                | 596          | 23.46 | 565           | 22          | 8  | PHG VS22X8X565   |
|         |                | 681          | 26.81 | 650           | 22          | 8  | PHG VS22X8X650   |
|         |                | 731          | 28.78 | 700           | 22          | 8  | PHG VS22X8X700   |
|         |                | 781          | 30.75 | 750           | 22          | 8  | PHG VS22X8X750   |
|         |                | 831          | 32.72 | 800           | 22          | 8  | PHG VS22X8X800   |
|         |                | 881          | 34.69 | 850           | 22          | 8  | PHG VS22X8X850   |
|         |                | 931          | 36.65 | 900           | 22          | 8  | PHG VS22X8X900   |
|         |                | 981          | 38.62 | 950           | 22          | 8  | PHG VS22X8X950   |
|         |                | 1031         | 40.59 | 1000          | 22          | 8  | PHG VS22X8X1000  |
|         |                | 686          | 27.01 | 655           | 26          | 8  | PHG VS26X8X655   |
|         |                | 703          | 27.68 | 672           | 26          | 8  | PHG VS26X8X672   |
|         |                | 781          | 30.75 | 750           | 26          | 8  | PHG VS26X8X750   |
|         |                | 793          | 31.22 | 762           | 26          | 8  | PHG VS26X8X762   |
|         |                | 831          | 32.72 | 800           | 26          | 8  | PHG VS26X8X800   |
|         |                | 893          | 35.16 | 862           | 26          | 8  | PHG VS26X8X862   |
|         |                | 993          | 39.09 | 962           | 26          | 8  | PHG VS26X8X962   |
|         |                | 631          | 24.84 | 600           | 28          | 8  | PHG VS28X8X600   |
|         |                | 681          | 26.81 | 650           | 28          | 8  | PHG VS28X8X650   |
|         |                | 731          | 28.78 | 700           | 28          | 8  | PHG VS28X8X700   |
|         |                | 781          | 30.75 | 750           | 28          | 8  | PHG VS28X8X750   |
|         |                | 831          | 32.72 | 800           | 28          | 8  | PHG VS28X8X800   |
|         |                | 881          | 34.69 | 850           | 28          | 8  | PHG VS28X8X850   |
|         |                | 931          | 36.65 | 900           | 28          | 8  | PHG VS28X8X900   |
|         |                | 981          | 38.62 | 950           | 28          | 8  | PHG VS28X8X950   |
|         |                | 1031         | 40.59 | 1000          | 28          | 8  | PHG VS28X8X1000  |
|         |                | 1151         | 45.31 | 1120          | 28          | 8  | PHG VS28X8X1120  |
|         |                | 692          | 27.24 | 650           | 30          | 10 | PHG VS30X10X650  |
|         |                | 842          | 33.15 | 800           | 30          | 10 | PHG VS30X10X800  |
|         |                | 892          | 35.12 | 850           | 30          | 10 | PHG VS30X10X850  |
|         |                | 942          | 37.09 | 900           | 30          | 10 | PHG VS30X10X900  |
|         |                | 992          | 39.06 | 950           | 30          | 10 | PHG VS30X10X950  |
|         |                | 1042         | 41.02 | 1000          | 30          | 10 | PHG VS30X10X1000 |
|         |                | 1162         | 45.75 | 1120          | 30          | 10 | PHG VS30X10X1120 |
|         |                | 1242         | 48.90 | 1200          | 30          | 10 | PHG VS30X10X1200 |
|         |                | 1542         | 60.71 | 1500          | 30          | 10 | PHG VS30X10X1500 |
|         |                | 792          | 31.18 | 750           | 32          | 10 | PHG VS32X10X750  |
|         |                | 832          | 32.76 | 790           | 32          | 10 | PHG VS32X10X790  |
|         |                | 862          | 33.94 | 820           | 32          | 10 | PHG VS32X10X820  |
|         |                | 892          | 35.12 | 850           | 32          | 10 | PHG VS32X10X850  |
|         |                | 942          | 37.09 | 900           | 32          | 10 | PHG VS32X10X900  |
|         |                | 992          | 39.06 | 950           | 32          | 10 | PHG VS32X10X950  |
|         |                | 1042         | 41.02 | 1000          | 32          | 10 | PHG VS32X10X1000 |
|         |                | 1115         | 43.90 | 1073          | 32          | 10 | PHG VS32X10X1073 |
|         |                | 1162         | 45.75 | 1120          | 32          | 10 | PHG VS32X10X1120 |
|         |                | 1222         | 48.11 | 1180          | 32          | 10 | PHG VS32X10X1180 |

| Section | Number of ribs | Dimensions   |       | Inside length | Designation |    |                  |
|---------|----------------|--------------|-------|---------------|-------------|----|------------------|
|         |                | Pitch length |       |               | w           | h  |                  |
| –       | –              | mm           | in.   | mm            | –           | –  | –                |
| VS      | 1              | 1242         | 48.90 | 1200          | 32          | 10 | PHG VS32X10X1200 |
|         |                | 702          | 27.64 | 660           | 37          | 10 | PHG VS37X10X660  |
|         |                | 842          | 33.15 | 800           | 37          | 10 | PHG VS37X10X800  |
|         |                | 892          | 35.12 | 850           | 37          | 10 | PHG VS37X10X850  |
|         |                | 942          | 37.09 | 900           | 37          | 10 | PHG VS37X10X900  |
|         |                | 992          | 39.06 | 950           | 37          | 10 | PHG VS37X10X950  |
|         |                | 1042         | 41.02 | 1000          | 37          | 10 | PHG VS37X10X1000 |
|         |                | 1102         | 43.39 | 1060          | 37          | 10 | PHG VS37X10X1060 |
|         |                | 1162         | 45.75 | 1120          | 37          | 10 | PHG VS37X10X1120 |
|         |                | 1222         | 48.11 | 1180          | 37          | 10 | PHG VS37X10X1180 |
|         |                | 1442         | 56.77 | 1400          | 37          | 10 | PHG VS37X10X1400 |
|         |                | 1542         | 60.71 | 1500          | 37          | 10 | PHG VS37X10X1500 |
|         |                | 1642         | 64.65 | 1600          | 37          | 10 | PHG VS37X10X1600 |
|         |                | 978          | 38.50 | 925           | 41          | 13 | PHG VS41X13X925  |
|         |                | 1053         | 41.46 | 1000          | 41          | 13 | PHG VS41X13X1000 |
|         |                | 1093         | 43.03 | 1040          | 41          | 13 | PHG VS41X13X1040 |
|         |                | 1113         | 43.82 | 1060          | 41          | 13 | PHG VS41X13X1060 |
|         |                | 1173         | 46.18 | 1120          | 41          | 13 | PHG VS41X13X1120 |
|         |                | 1233         | 48.54 | 1180          | 41          | 13 | PHG VS41X13X1180 |
|         |                | 1303         | 51.30 | 1250          | 41          | 13 | PHG VS41X13X1250 |
|         |                | 1393         | 54.84 | 1340          | 41          | 13 | PHG VS41X13X1340 |
|         |                | 1493         | 58.78 | 1440          | 41          | 13 | PHG VS41X13X1440 |
|         |                | 1653         | 65.08 | 1600          | 41          | 13 | PHG VS41X13X1600 |
|         |                | 1793         | 70.59 | 1740          | 41          | 13 | PHG VS41X13X1740 |
|         |                | 1053         | 41.46 | 1000          | 47          | 13 | PHG VS47X13X1000 |
|         |                | 1113         | 43.82 | 1060          | 47          | 13 | PHG VS47X13X1060 |
|         |                | 1173         | 46.18 | 1120          | 47          | 13 | PHG VS47X13X1120 |
|         |                | 1233         | 48.54 | 1180          | 47          | 13 | PHG VS47X13X1180 |
|         |                | 1303         | 51.30 | 1250          | 47          | 13 | PHG VS47X13X1250 |
|         |                | 1373         | 54.06 | 1320          | 47          | 13 | PHG VS47X13X1320 |
|         |                | 1453         | 57.20 | 1400          | 47          | 13 | PHG VS47X13X1400 |
|         |                | 1553         | 61.14 | 1500          | 47          | 13 | PHG VS47X13X1500 |
|         |                | 1653         | 65.08 | 1600          | 47          | 13 | PHG VS47X13X1600 |
|         |                | 1753         | 69.02 | 1700          | 47          | 13 | PHG VS47X13X1700 |
|         |                | 1853         | 72.95 | 1800          | 47          | 13 | PHG VS47X13X1800 |
|         |                | 1233         | 48.54 | 1180          | 52          | 16 | PHG VS52X16X1180 |
|         |                | 1303         | 51.30 | 1250          | 52          | 16 | PHG VS52X16X1250 |
|         |                | 1453         | 57.20 | 1400          | 52          | 16 | PHG VS52X16X1400 |
|         |                | 1578         | 62.13 | 1525          | 52          | 16 | PHG VS52X16X1525 |
|         |                | 1653         | 65.08 | 1600          | 52          | 16 | PHG VS52X16X1600 |
|         |                | 1978         | 77.87 | 1925          | 52          | 16 | PHG VS52X16X1925 |
|         |                | 1453         | 57.20 | 1400          | 55          | 16 | PHG VS55X16X1400 |
|         |                | 1553         | 61.14 | 1500          | 55          | 16 | PHG VS55X16X1500 |
|         |                | 1653         | 65.08 | 1600          | 55          | 16 | PHG VS55X16X1600 |
|         |                | 1753         | 69.02 | 1700          | 55          | 16 | PHG VS55X16X1700 |
|         |                | 1853         | 72.95 | 1800          | 55          | 16 | PHG VS55X16X1800 |
|         |                | 1772         | 69.76 | 1706          | 65          | 20 | PHG VS65X20X1706 |
|         |                | 1972         | 77.64 | 1906          | 65          | 20 | PHG VS65X20X1906 |
|         |                | 1666         | 65.59 | 1600          | 70          | 18 | PHG VS70X18X1600 |
|         |                | 1766         | 69.53 | 1700          | 70          | 18 | PHG VS70X18X1700 |
|         |                | 1866         | 73.46 | 1800          | 70          | 18 | PHG VS70X18X1800 |
|         |                | 1966         | 77.40 | 1900          | 70          | 18 | PHG VS70X18X1900 |
|         |                | 2066         | 81.34 | 2000          | 70          | 18 | PHG VS70X18X2000 |

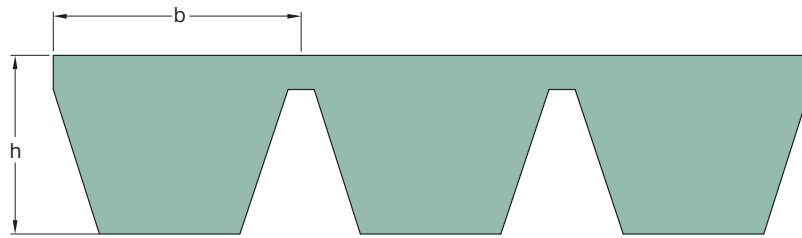
Non-standard lengths are also available.



| Section | Dimensions   |       | Designation | Section         | Dimensions      |      | Designation |                  |  |
|---------|--------------|-------|-------------|-----------------|-----------------|------|-------------|------------------|--|
|         | Pitch length |       |             |                 | Pitch length    |      |             |                  |  |
|         | b            | h     |             | b               | h               |      |             |                  |  |
| —       | mm           |       | —           | mm              |                 | —    |             |                  |  |
| SPA     | 1 250        | 12.8  | 12.0        | PHG SPA1250X... | 4 000           | 22.0 | 22.6        | PHG SPC4000X...  |  |
|         | 1 400        | 12.8  | 12.0        | PHG SPA1400X... | 4 250           | 22.0 | 22.6        | PHG SPC4250X...  |  |
|         | 1 500        | 12.8  | 12.0        | PHG SPA1500X... | 4 500           | 22.0 | 22.6        | PHG SPC4500X...  |  |
|         | 1 600        | 12.8  | 12.0        | PHG SPA1600X... | 4 750           | 22.0 | 22.6        | PHG SPC4750X...  |  |
|         | 1 700        | 12.8  | 12.0        | PHG SPA1700X... | 5 000           | 22.0 | 22.6        | PHG SPC5000X...  |  |
|         | 1 800        | 12.8  | 12.0        | PHG SPA1800X... | 5 300           | 22.0 | 22.6        | PHG SPC5300X...  |  |
|         | 1 900        | 12.8  | 12.0        | PHG SPA1900X... | 5 600           | 22.0 | 22.6        | PHG SPC5600X...  |  |
|         | 2 000        | 12.8  | 12.0        | PHG SPA2000X... | 6 000           | 22.0 | 22.6        | PHG SPC6000X...  |  |
|         | 2 120        | 12.8  | 12.0        | PHG SPA2120X... | 6 300           | 22.0 | 22.6        | PHG SPC6300X...  |  |
|         | 2 240        | 12.8  | 12.0        | PHG SPA2240X... | 6 700           | 22.0 | 22.6        | PHG SPC6700X...  |  |
|         | 2 360        | 12.8  | 12.0        | PHG SPA2360X... | 7 100           | 22.0 | 22.6        | PHG SPC7100X...  |  |
|         | 2 500        | 12.8  | 12.0        | PHG SPA2500X... | 7 500           | 22.0 | 22.6        | PHG SPC7500X...  |  |
|         | 2 650        | 12.8  | 12.0        | PHG SPA2650X... | 8 000           | 22.0 | 22.6        | PHG SPC8000X...  |  |
|         | 2 800        | 12.8  | 12.0        | PHG SPA2800X... | 8 500           | 22.0 | 22.6        | PHG SPC8500X...  |  |
|         | 3 000        | 12.8  | 12.0        | PHG SPA3000X... | 9 000           | 22.0 | 22.6        | PHG SPC9000X...  |  |
|         | 3 150        | 12.8  | 12.0        | PHG SPA3150X... | 9 500           | 22.0 | 22.6        | PHG SPC9500X...  |  |
|         | 3 350        | 12.8  | 12.0        | PHG SPA3350X... | 10 000          | 22.0 | 22.6        | PHG SPC10000X... |  |
|         | 3 550        | 12.8  | 12.0        | PHG SPA3550X... | 10 600          | 22.0 | 22.6        | PHG SPC10600X... |  |
|         | 3 750        | 12.8  | 12.0        | PHG SPA3750X... | 11 200          | 22.0 | 22.6        | PHG SPC11200X... |  |
|         | 4 000        | 12.8  | 12.0        | PHG SPA4000X... | 11 800          | 22.0 | 22.6        | PHG SPC11800X... |  |
|         | 4 250        | 12.8  | 12.0        | PHG SPA4250X... | 12 500          | 22.0 | 22.6        | PHG SPC12500X... |  |
|         | 4 500        | 12.8  | 12.0        | PHG SPA4500X... |                 |      |             |                  |  |
|         | SPB          | 2 000 | 16.5        | 15.6            | PHG SPB2000X... |      |             |                  |  |
|         |              | 2 120 | 16.5        | 15.6            | PHG SPB2120X... |      |             |                  |  |
|         |              | 2 240 | 16.5        | 15.6            | PHG SPB2240X... |      |             |                  |  |
|         |              | 2 360 | 16.5        | 15.6            | PHG SPB2360X... |      |             |                  |  |
|         |              | 2 500 | 16.5        | 15.6            | PHG SPB2500X... |      |             |                  |  |
|         |              | 2 650 | 16.5        | 15.6            | PHG SPB2650X... |      |             |                  |  |
|         |              | 2 800 | 16.5        | 15.6            | PHG SPB2800X... |      |             |                  |  |
|         |              | 3 000 | 16.5        | 15.6            | PHG SPB3000X... |      |             |                  |  |
|         |              | 3 150 | 16.5        | 15.6            | PHG SPB3150X... |      |             |                  |  |
|         |              | 3 350 | 16.5        | 15.6            | PHG SPB3350X... |      |             |                  |  |
| 3 550   |              | 16.5  | 15.6        | PHG SPB3550X... |                 |      |             |                  |  |
| 3 750   |              | 16.5  | 15.6        | PHG SPB3750X... |                 |      |             |                  |  |
| 4 000   |              | 16.5  | 15.6        | PHG SPB4000X... |                 |      |             |                  |  |
| 4 250   |              | 16.5  | 15.6        | PHG SPB4250X... |                 |      |             |                  |  |
| 4 500   |              | 16.5  | 15.6        | PHG SPB4500X... |                 |      |             |                  |  |
| 4 750   |              | 16.5  | 15.6        | PHG SPB4750X... |                 |      |             |                  |  |
| 5 000   |              | 16.5  | 15.6        | PHG SPB5000X... |                 |      |             |                  |  |
| 5 300   |              | 16.5  | 15.6        | PHG SPB5300X... |                 |      |             |                  |  |
| 5 600   |              | 16.5  | 15.6        | PHG SPB5600X... |                 |      |             |                  |  |
| 6 000   |              | 16.5  | 15.6        | PHG SPB6000X... |                 |      |             |                  |  |
| 6 300   |              | 16.5  | 15.6        | PHG SPB6300X... |                 |      |             |                  |  |
| 6 700   |              | 16.5  | 15.6        | PHG SPB6700X... |                 |      |             |                  |  |
| 7 100   |              | 16.5  | 15.6        | PHG SPB7100X... |                 |      |             |                  |  |
| 7 500   |              | 16.5  | 15.6        | PHG SPB7500X... |                 |      |             |                  |  |
| 8 000   |              | 16.5  | 15.6        | PHG SPB8000X... |                 |      |             |                  |  |
| SPC     | 3 000        | 22.0  | 22.6        | PHG SPC3000X... |                 |      |             |                  |  |
|         | 3 150        | 22.0  | 22.6        | PHG SPC3150X... |                 |      |             |                  |  |
|         | 3 350        | 22.0  | 22.6        | PHG SPC3350X... |                 |      |             |                  |  |
|         | 3 550        | 22.0  | 22.6        | PHG SPC3550X... |                 |      |             |                  |  |
|         | 3 750        | 22.0  | 22.6        | PHG SPC3750X... |                 |      |             |                  |  |

Non-standard lengths are also available.  
To complete designation, add number of bands. For example PHG SPC8000X4.

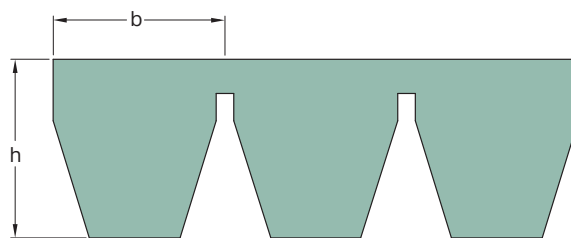
Banded classical belts  
13/A | 17/B | 22/C | 32/D



| Section | Dimensions   |               |    |      | Designation   | Section | Dimensions   |               |    |      | Designation  |
|---------|--------------|---------------|----|------|---------------|---------|--------------|---------------|----|------|--------------|
|         | Pitch length | Inside length | b  | h    |               |         | Pitch length | Inside length | b  | h    |              |
| –       | mm           | in.           | mm |      | –             | –       | mm           | in.           | mm |      | –            |
| 13/A    | 1 230        | 47.0          | 13 | 9.9  | PHG A47X...   | 22/C    | 2 340        | 90.0          | 22 | 16.2 | PHG C90X...  |
|         | 1 330        | 51.0          | 13 | 9.9  | PHG A51X...   |         | 2 550        | 98.0          | 22 | 16.2 | PHG C98X...  |
|         | 1 460        | 56.0          | 13 | 9.9  | PHG A56X...   |         | 2 800        | 108.0         | 22 | 16.2 | PHG C108X... |
|         | 1 480        | 57.0          | 13 | 9.9  | PHG A57X...   |         | 3 100        | 120.0         | 22 | 16.2 | PHG C120X... |
|         | 1 530        | 59.0          | 13 | 9.9  | PHG A59X...   |         | 3 310        | 128.0         | 22 | 16.2 | PHG C128X... |
|         | 1 660        | 64.0          | 13 | 9.9  | PHG A64X...   |         | 3 610        | 140.0         | 22 | 16.2 | PHG C140X... |
|         | 1 740        | 67.0          | 13 | 9.9  | PHG A67X...   |         | 3 760        | 146.0         | 22 | 16.2 | PHG C146X... |
|         | 1 840        | 71.0          | 13 | 9.9  | PHG A71X...   |         | 3 895        | 151.0         | 22 | 16.2 | PHG C151X... |
|         | 1 940        | 75.0          | 13 | 9.9  | PHG A75X...   |         | 4 300        | 167.0         | 22 | 16.2 | PHG C167X... |
|         | 2 050        | 79.0          | 13 | 9.9  | PHG A79X...   |         | 4 560        | 177.0         | 22 | 16.2 | PHG C177X... |
|         | 2 270        | 88.0          | 13 | 9.9  | PHG A88X...   | 32/D    | 4 810        | 187.0         | 22 | 16.2 | PHG C187X... |
|         | 2 520        | 98.0          | 13 | 9.9  | PHG A98X...   |         | 5 060        | 197.0         | 22 | 16.2 | PHG C197X... |
|         | 2 570        | 100.0         | 13 | 9.9  | PHG A100X...  |         | 5 340        | 208.0         | 22 | 16.2 | PHG C208X... |
|         | 2 680        | 104.0         | 13 | 9.9  | PHG A104X...  |         | 5 640        | 220.0         | 22 | 16.2 | PHG C220X... |
|         | 2 880        | 112.0         | 13 | 9.9  | PHG A112X...  |         | 6 050        | 236.0         | 22 | 16.2 | PHG C236X... |
|         | 3 080        | 120.0         | 13 | 9.9  | PHG A120X...  |         | 6 360        | 248.0         | 22 | 16.2 | PHG C248X... |
|         | 3 290        | 128.0         | 13 | 9.9  | PHG A128X...  |         | 4 080        | 158.0         | 32 | 22.4 | PHG D158X... |
|         | 3 690        | 144.0         | 13 | 9.9  | PHG A144X...  |         | 4 190        | 162.0         | 32 | 22.4 | PHG D162X... |
|         | 4 043        | 158.0         | 13 | 9.9  | PHG A158X...  |         | 4 470        | 173.0         | 32 | 22.4 | PHG D173X... |
|         | 4 270        | 167.0         | 13 | 9.9  | PHG A167X...  |         | 4 650        | 180.0         | 32 | 22.4 | PHG D180X... |
| 17/B    | 4 780        | 187.0         | 13 | 9.9  | PHG A187X...  |         | 5 030        | 195.0         | 32 | 22.4 | PHG D195X... |
|         | 1 240        | 47.0          | 17 | 13.0 | PHG B47X...   |         | 5 400        | 210.0         | 32 | 22.4 | PHG D210X... |
|         | 1 340        | 51.0          | 17 | 13.0 | PHG B51X...   |         | 5 790        | 225.0         | 32 | 22.4 | PHG D225X... |
|         | 1 440        | 55.0          | 17 | 13.0 | PHG B55X...   |         | 6 170        | 240.0         | 32 | 22.4 | PHG D240X... |
|         | 1 540        | 59.0          | 17 | 13.0 | PHG B59X...   |         | 6 560        | 255.0         | 32 | 22.4 | PHG D255X... |
|         | 1 590        | 61.0          | 17 | 13.0 | PHG B61X...   |         | 6 940        | 270.0         | 32 | 22.4 | PHG D270X... |
|         | 1 640        | 63.0          | 17 | 13.0 | PHG B63X...   |         | 7 320        | 285.0         | 32 | 22.4 | PHG D285X... |
|         | 1 670        | 64.0          | 17 | 13.0 | PHG B64X...   |         | 7 700        | 300.0         | 32 | 22.4 | PHG D300X... |
|         | 1 740        | 67.0          | 17 | 13.0 | PHG B67X...   |         | 8 080        | 315.0         | 32 | 22.4 | PHG D315X... |
|         | 1 850        | 71.0          | 17 | 13.0 | PHG B71X...   |         | 8 460        | 330.0         | 32 | 22.4 | PHG D330X... |
|         | 1 900        | 73.0          | 17 | 13.0 | PHG B73X...   |         | 8 840        | 345.0         | 32 | 22.4 | PHG D345X... |
|         | 1 950        | 75.0          | 17 | 13.0 | PHG B75X...   |         | 9 220        | 360.0         | 32 | 22.4 | PHG D360X... |
|         | 2 050        | 79.0          | 17 | 13.0 | PHG B79X...   |         | 9 980        | 390.0         | 32 | 22.4 | PHG D390X... |
|         | 2 150        | 83.0          | 17 | 13.0 | PHG B83X...   |         | 10 740       | 420.0         | 32 | 22.4 | PHG D420X... |
|         | 2 280        | 88.0          | 17 | 13.0 | PHG B88X...   |         | 11 505       | 450.0         | 32 | 22.4 | PHG D450X... |
|         | 2 350        | 91.0          | 17 | 13.0 | PHG B91X...   |         | 12 270       | 480.0         | 32 | 22.4 | PHG D480X... |
|         | 2 435        | 94.5          | 17 | 13.0 | PHG B94.5X... |         | 13 790       | 540.0         | 32 | 22.4 | PHG D540X... |
|         | 2 530        | 98.0          | 17 | 13.0 | PHG B98X...   |         |              |               |    |      |              |
|         | 2 630        | 102.0         | 17 | 13.0 | PHG B102X...  |         |              |               |    |      |              |
|         | 2 740        | 106.0         | 17 | 13.0 | PHG B106X...  |         |              |               |    |      |              |
|         | 2 890        | 112.0         | 17 | 13.0 | PHG B112X...  |         |              |               |    |      |              |
|         | 3 040        | 118.0         | 17 | 13.0 | PHG B118X...  |         |              |               |    |      |              |
|         | 3 090        | 120.0         | 17 | 13.0 | PHG B120X...  |         |              |               |    |      |              |
|         | 3 290        | 128.0         | 17 | 13.0 | PHG B128X...  |         |              |               |    |      |              |
|         | 3 400        | 132.0         | 17 | 13.0 | PHG B132X...  |         |              |               |    |      |              |
|         | 3 600        | 140.0         | 17 | 13.0 | PHG B140X...  |         |              |               |    |      |              |
|         | 3 750        | 146.0         | 17 | 13.0 | PHG B146X...  |         |              |               |    |      |              |
|         | 3 800        | 148.0         | 17 | 13.0 | PHG B148X...  |         |              |               |    |      |              |
|         | 4 060        | 158.0         | 17 | 13.0 | PHG B158X...  |         |              |               |    |      |              |
|         | 4 280        | 167.0         | 17 | 13.0 | PHG B167X...  |         |              |               |    |      |              |
|         | 4 540        | 177.0         | 17 | 13.0 | PHG B177X...  |         |              |               |    |      |              |
|         | 4 800        | 187.0         | 17 | 13.0 | PHG B187X...  |         |              |               |    |      |              |
|         | 5 044        | 197.0         | 17 | 13.0 | PHG B197X...  |         |              |               |    |      |              |
|         | 5 340        | 208.0         | 17 | 13.0 | PHG B208X...  |         |              |               |    |      |              |
|         | 5 630        | 220.0         | 17 | 13.0 | PHG B220X...  |         |              |               |    |      |              |

Non-standard lengths are also available.  
To complete designation add number of bands. For example PHG D360X6.

Banded narrow wedge belts  
3V/9J | 5V/15J | 8V/25J

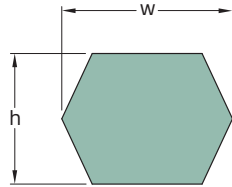


A

| Section | Dimensions   |               |    |      | Designation    |
|---------|--------------|---------------|----|------|----------------|
|         | Pitch length | Inside length | b  | h    |                |
| –       | mm           | in.           | mm |      | –              |
| 3V/9J   | 1 270        | 50            | 9  | 9.9  | PHG 3V500X...  |
|         | 1 346        | 53            | 9  | 9.9  | PHG 3V530X...  |
|         | 1 422        | 56            | 9  | 9.9  | PHG 3V560X...  |
|         | 1 524        | 60            | 9  | 9.9  | PHG 3V600X...  |
|         | 1 600        | 63            | 9  | 9.9  | PHG 3V630X...  |
|         | 1 702        | 67            | 9  | 9.9  | PHG 3V670X...  |
|         | 1 803        | 71            | 9  | 9.9  | PHG 3V710X...  |
|         | 1 905        | 75            | 9  | 9.9  | PHG 3V750X...  |
|         | 2 032        | 80            | 9  | 9.9  | PHG 3V800X...  |
|         | 2 159        | 85            | 9  | 9.9  | PHG 3V850X...  |
|         | 2 286        | 90            | 9  | 9.9  | PHG 3V900X...  |
|         | 2 413        | 95            | 9  | 9.9  | PHG 3V950X...  |
|         | 2 540        | 100           | 9  | 9.9  | PHG 3V1000X... |
|         | 2 692        | 106           | 9  | 9.9  | PHG 3V1060X... |
|         | 2 845        | 112           | 9  | 9.9  | PHG 3V1120X... |
|         | 2 997        | 118           | 9  | 9.9  | PHG 3V1180X... |
|         | 3 175        | 125           | 9  | 9.9  | PHG 3V1250X... |
|         | 3 353        | 132           | 9  | 9.9  | PHG 3V1320X... |
|         | 3 556        | 140           | 9  | 9.9  | PHG 3V1400X... |
| 5V/15J  | 1 422        | 56            | 15 | 15.1 | PHG 5V560X...  |
|         | 1 524        | 60            | 15 | 15.1 | PHG 5V600X...  |
|         | 1 600        | 63            | 15 | 15.1 | PHG 5V630X...  |
|         | 1 702        | 67            | 15 | 15.1 | PHG 5V670X...  |
|         | 1 803        | 71            | 15 | 15.1 | PHG 5V710X...  |
|         | 1 905        | 75            | 15 | 15.1 | PHG 5V750X...  |
|         | 2 032        | 80            | 15 | 15.1 | PHG 5V800X...  |
|         | 2 159        | 85            | 15 | 15.1 | PHG 5V850X...  |
|         | 2 286        | 90            | 15 | 15.1 | PHG 5V900X...  |
|         | 2 413        | 95            | 15 | 15.1 | PHG 5V950X...  |
|         | 2 540        | 100           | 15 | 15.1 | PHG 5V1000X... |
|         | 2 692        | 106           | 15 | 15.1 | PHG 5V1060X... |
|         | 2 845        | 112           | 15 | 15.1 | PHG 5V1120X... |
|         | 2 997        | 118           | 15 | 15.1 | PHG 5V1180X... |
|         | 3 175        | 125           | 15 | 15.1 | PHG 5V1250X... |
|         | 3 353        | 132           | 15 | 15.1 | PHG 5V1320X... |
|         | 3 556        | 140           | 15 | 15.1 | PHG 5V1400X... |
|         | 3 810        | 150           | 15 | 15.1 | PHG 5V1500X... |
|         | 4 064        | 160           | 15 | 15.1 | PHG 5V1600X... |
|         | 4 318        | 170           | 15 | 15.1 | PHG 5V1700X... |
| 8V/25J  | 4 572        | 180           | 25 | 25.5 | PHG 8V1800X... |
|         | 4 826        | 190           | 25 | 25.5 | PHG 8V1900X... |
|         | 5 080        | 200           | 25 | 25.5 | PHG 8V2000X... |
|         | 5 385        | 212           | 25 | 25.5 | PHG 8V2120X... |
|         | 5 690        | 224           | 25 | 25.5 | PHG 8V2240X... |
|         | 5 994        | 236           | 25 | 25.5 | PHG 8V2360X... |
|         | 6 350        | 250           | 25 | 25.5 | PHG 8V2500X... |
|         | 6 731        | 265           | 25 | 25.5 | PHG 8V2650X... |
|         | 7 112        | 280           | 25 | 25.5 | PHG 8V2800X... |
|         | 7 620        | 300           | 25 | 25.5 | PHG 8V3000X... |
|         | 8 001        | 315           | 25 | 25.5 | PHG 8V3150X... |
|         | 8 509        | 335           | 25 | 25.5 | PHG 8V3350X... |
|         | 9 017        | 355           | 25 | 25.5 | PHG 8V3550X... |
|         | 9 525        | 375           | 25 | 25.5 | PHG 8V3750X... |
|         | 10 160       | 400           | 25 | 25.5 | PHG 8V4000X... |
|         | 10 795       | 425           | 25 | 25.5 | PHG 8V4250X... |
|         | 11 430       | 450           | 25 | 25.5 | PHG 8V4500X... |
|         | 12 065       | 475           | 25 | 25.5 | PHG 8V4750X... |
|         | 12 700       | 500           | 25 | 25.5 | PHG 8V5000X... |
|         | 13 335       | 525           | 25 | 25.5 | PHG 8V5250X... |
|         | 13 970       | 550           | 25 | 25.5 | PHG 8V5500X... |

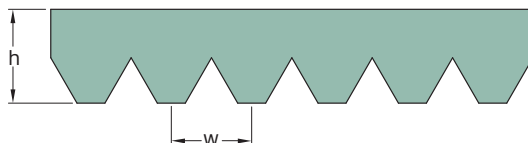
Non-standard lengths are also available.  
To complete designation add number of bands. For example PHG 8V3350X3.

Double classical (Hex) belts  
AA/HAA | BB/HBB | CC/HCC



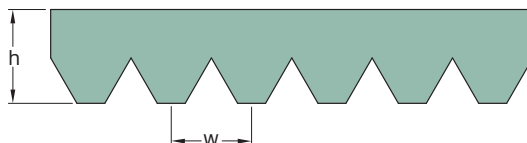
| Section | Dimensions   |               |    |    | Designation |
|---------|--------------|---------------|----|----|-------------|
|         | Pitch length | Inside length | b  | h  |             |
| –       | mm           | in.           | mm |    | –           |
| AA/HAA  | 2 000        | 77            | 13 | 10 | PHG AA77    |
|         | 2 032        | 78            | 13 | 10 | PHG AA78    |
|         | 2 370        | 91            | 13 | 10 | PHG AA91    |
|         | 2 500        | 96            | 13 | 10 | PHG AA96    |
|         | 2 650        | 102           | 13 | 10 | PHG AA102   |
|         | 2 667        | 103           | 13 | 10 | PHG AA103   |
|         | 2 800        | 108           | 13 | 10 | PHG AA108   |
|         | 3 300        | 128           | 13 | 10 | PHG AA128   |
|         | 3 920        | 152           | 13 | 10 | PHG AA152   |
|         |              |               |    |    |             |
|         |              |               |    |    |             |
|         |              |               |    |    |             |
| BB/HBB  | 1 980        | 75            | 17 | 13 | PHG BB75    |
|         | 2 180        | 83            | 17 | 13 | PHG BB83    |
|         | 2 300        | 88            | 17 | 13 | PHG BB88    |
|         | 2 370        | 90            | 17 | 13 | PHG BB90    |
|         | 2 500        | 95            | 17 | 13 | PHG BB95    |
|         |              |               |    |    |             |
|         | 2 540        | 97            | 17 | 13 | PHG BB97    |
|         | 2 600        | 99            | 17 | 13 | PHG BB99    |
|         | 2 650        | 101           | 17 | 13 | PHG BB101   |
|         | 2 740        | 105           | 17 | 13 | PHG BB105   |
|         | 2 800        | 107           | 17 | 13 | PHG BB107   |
|         |              |               |    |    |             |
|         | 2 850        | 109           | 17 | 13 | PHG BB109   |
|         | 2 920        | 112           | 17 | 13 | PHG BB112   |
|         | 3 000        | 115           | 17 | 13 | PHG BB115   |
|         | 3 030        | 116           | 17 | 13 | PHG BB116   |
|         | 3 150        | 121           | 17 | 13 | PHG BB121   |
|         |              |               |    |    |             |
|         | 3 250        | 125           | 17 | 13 | PHG BB125   |
|         | 3 280        | 126           | 17 | 13 | PHG BB126   |
|         | 3 325        | 128           | 17 | 13 | PHG BB128   |
|         | 3 390        | 131           | 17 | 13 | PHG BB131   |
|         | 3 450        | 133           | 17 | 13 | PHG BB133   |
|         |              |               |    |    |             |
|         | 3 500        | 135           | 17 | 13 | PHG BB135   |
|         | 3 550        | 137           | 17 | 13 | PHG BB137   |
|         | 3 730        | 144           | 17 | 13 | PHG BB144   |
|         | 3 750        | 145           | 17 | 13 | PHG BB145   |
|         | 4 010        | 155           | 17 | 13 | PHG BB155   |
|         |              |               |    |    |             |
|         | 4 040        | 156           | 17 | 13 | PHG BB156   |
|         | 4 200        | 162           | 17 | 13 | PHG BB162   |
|         | 4 470        | 173           | 17 | 13 | PHG BB173   |
|         | 4 500        | 174           | 17 | 13 | PHG BB174   |
|         | 4 750        | 184           | 17 | 13 | PHG BB184   |
| CC/HCC  | 2 280        | 86            | 22 | 17 | PHG CC86    |
|         | 2 500        | 94            | 22 | 17 | PHG CC94    |
|         | 2 800        | 106           | 22 | 17 | PHG CC106   |
|         | 3 200        | 122           | 22 | 17 | PHG CC122   |
|         | 3 310        | 126           | 22 | 17 | PHG CC126   |
|         |              |               |    |    |             |
|         | 3 765        | 144           | 22 | 17 | PHG CC144   |
|         | 4 000        | 153           | 22 | 17 | PHG CC153   |
|         | 4 216        | 162           | 22 | 17 | PHG CC162   |
|         | 4 300        | 165           | 22 | 17 | PHG CC165   |
|         | 4 500        | 173           | 22 | 17 | PHG CC173   |
|         |              |               |    |    |             |
|         | 5 000        | 193           | 22 | 17 | PHG CC193   |
|         | 5 300        | 204           | 22 | 17 | PHG CC204   |
|         | 5 340        | 206           | 22 | 17 | PHG CC206   |
|         | 5 750        | 224           | 22 | 17 | PHG CC224   |
|         |              |               |    |    |             |
|         |              |               |    |    |             |

Non-standard lengths are also available.



| Section | Dimensions       |      |      |      | Designation   | Section | Dimensions       |      |      |               | Designation   |               |
|---------|------------------|------|------|------|---------------|---------|------------------|------|------|---------------|---------------|---------------|
|         | Effective length |      |      |      |               |         | Effective length |      |      |               |               |               |
|         |                  |      | w    | h    |               |         |                  |      | w    | h             |               |               |
| —       | mm               | in.  | mm   |      | —             | —       | mm               | in.  | mm   |               | —             |               |
| PH      | 600              | 23.6 | 1.60 | 2.50 | PHG ...PH600  | PJ      | 1240             | 48.8 | 2.34 | 3.50          | PHG ...PJ1240 |               |
|         | 690              | 27.2 | 1.60 | 2.50 | PHG ...PH690  |         | 1270             | 50.0 | 2.34 | 3.50          | PHG ...PJ1270 |               |
|         | 760              | 29.9 | 1.60 | 2.50 | PHG ...PH760  |         | 1285             | 50.6 | 2.34 | 3.50          | PHG ...PJ1285 |               |
|         | 810              | 31.9 | 1.60 | 2.50 | PHG ...PH810  |         | 1300             | 51.2 | 2.34 | 3.50          | PHG ...PJ1300 |               |
|         | 850              | 33.5 | 1.60 | 2.50 | PHG ...PH850  |         | 1305             | 51.4 | 2.34 | 3.50          | PHG ...PJ1305 |               |
|         | 865              | 34.1 | 1.60 | 2.50 | PHG ...PH865  |         | 1310             | 51.6 | 2.34 | 3.50          | PHG ...PJ1310 |               |
|         | 880              | 34.6 | 1.60 | 2.50 | PHG ...PH880  |         | 1320             | 52.0 | 2.34 | 3.50          | PHG ...PJ1320 |               |
|         | 955              | 37.6 | 1.60 | 2.50 | PHG ...PH955  |         | 1330             | 52.4 | 2.34 | 3.50          | PHG ...PJ1330 |               |
|         | 965              | 38.0 | 1.60 | 2.50 | PHG ...PH965  |         | 1355             | 53.4 | 2.34 | 3.50          | PHG ...PJ1355 |               |
|         | 975              | 38.4 | 1.60 | 2.50 | PHG ...PH975  |         | 1370             | 53.9 | 2.34 | 3.50          | PHG ...PJ1370 |               |
|         | 990              | 39.0 | 1.60 | 2.50 | PHG ...PH990  |         | 1390             | 54.7 | 2.34 | 3.50          | PHG ...PJ1390 |               |
|         | 1010             | 39.8 | 1.60 | 2.50 | PHG ...PH1010 |         | 1420             | 55.9 | 2.34 | 3.50          | PHG ...PJ1420 |               |
|         | 1080             | 42.5 | 1.60 | 2.50 | PHG ...PH1080 |         | 1430             | 56.3 | 2.34 | 3.50          | PHG ...PJ1430 |               |
|         | 1090             | 42.9 | 1.60 | 2.50 | PHG ...PH1090 |         | 1475             | 58.1 | 2.34 | 3.50          | PHG ...PJ1475 |               |
|         | 1095             | 43.1 | 1.60 | 2.50 | PHG ...PH1095 |         | 1540             | 60.6 | 2.34 | 3.50          | PHG ...PJ1540 |               |
|         | 1160             | 45.7 | 1.60 | 2.50 | PHG ...PH1160 |         | 1600             | 63.0 | 2.34 | 3.50          | PHG ...PJ1600 |               |
|         | 1200             | 47.2 | 1.60 | 2.50 | PHG ...PH1200 |         | 1650             | 65.0 | 2.34 | 3.50          | PHG ...PJ1650 |               |
|         | 1220             | 48.0 | 1.60 | 2.50 | PHG ...PH1220 |         | 1660             | 65.4 | 2.34 | 3.50          | PHG ...PJ1660 |               |
|         | 1230             | 48.4 | 1.60 | 2.50 | PHG ...PH1230 |         | 1750             | 68.9 | 2.34 | 3.50          | PHG ...PJ1750 |               |
|         | 1240             | 48.8 | 1.60 | 2.50 | PHG ...PH1240 |         | 1780             | 70.0 | 2.34 | 3.50          | PHG ...PJ1780 |               |
|         | 1260             | 49.6 | 1.60 | 2.50 | PHG ...PH1260 |         | 1850             | 72.8 | 2.34 | 3.50          | PHG ...PJ1850 |               |
|         | 1270             | 50.0 | 1.60 | 2.50 | PHG ...PH1270 |         | 1895             | 74.6 | 2.34 | 3.50          | PHG ...PJ1895 |               |
|         | 1285             | 50.6 | 1.60 | 2.50 | PHG ...PH1285 |         | 1910             | 75.2 | 2.34 | 3.50          | PHG ...PJ1910 |               |
|         | 1300             | 51.2 | 1.60 | 2.50 | PHG ...PH1300 |         | 1915             | 75.4 | 2.34 | 3.50          | PHG ...PJ1915 |               |
|         | 1305             | 51.4 | 1.60 | 2.50 | PHG ...PH1305 |         | 1930             | 76.0 | 2.34 | 3.50          | PHG ...PJ1930 |               |
|         | 1320             | 52.0 | 1.60 | 2.50 | PHG ...PH1320 |         | 1950             | 76.8 | 2.34 | 3.50          | PHG ...PJ1950 |               |
|         | 1475             | 58.1 | 1.60 | 2.50 | PHG ...PH1475 |         | 1965             | 77.4 | 2.34 | 3.50          | PHG ...PJ1965 |               |
|         | 1600             | 63.0 | 1.60 | 2.50 | PHG ...PH1600 |         | 1980             | 78.0 | 2.34 | 3.50          | PHG ...PJ1980 |               |
|         | PJ               | 540  | 21.3 | 2.34 | 3.50          |         | PHG ...PJ540     | 1990 | 78.3 | 2.34          | 3.50          | PHG ...PJ1990 |
|         |                  | 550  | 21.7 | 2.34 | 3.50          |         | PHG ...PJ550     | 2080 | 81.9 | 2.34          | 3.50          | PHG ...PJ2080 |
|         |                  | 580  | 22.8 | 2.34 | 3.50          |         | PHG ...PJ580     | 2100 | 82.7 | 2.34          | 3.50          | PHG ...PJ2100 |
|         |                  | 610  | 24.0 | 2.34 | 3.50          |         | PHG ...PJ610     | 2155 | 84.8 | 2.34          | 3.50          | PHG ...PJ2155 |
| 660     |                  | 26.0 | 2.34 | 3.50 | PHG ...PJ660  | 2210    | 87.0             | 2.34 | 3.50 | PHG ...PJ2210 |               |               |
| 710     |                  | 28.0 | 2.34 | 3.50 | PHG ...PJ710  | 2330    | 91.7             | 2.34 | 3.50 | PHG ...PJ2330 |               |               |
| 720     |                  | 28.3 | 2.34 | 3.50 | PHG ...PJ720  | 2480    | 97.6             | 2.34 | 3.50 | PHG ...PJ2480 |               |               |
| 760     |                  | 29.9 | 2.34 | 3.50 | PHG ...PJ760  | PK      | 575              | 22.6 | 3.56 | 5.50          | PHG ...PK575  |               |
| 810     |                  | 31.9 | 2.34 | 3.50 | PHG ...PJ810  |         | 600              | 23.6 | 3.56 | 5.50          | PHG ...PK600  |               |
| 830     |                  | 32.7 | 2.34 | 3.50 | PHG ...PJ830  |         | 635              | 25.0 | 3.56 | 5.50          | PHG ...PK635  |               |
| 860     |                  | 33.9 | 2.34 | 3.50 | PHG ...PJ860  |         | 650              | 25.6 | 3.56 | 5.50          | PHG ...PK650  |               |
| 910     |                  | 35.8 | 2.34 | 3.50 | PHG ...PJ910  |         | 665              | 26.2 | 3.56 | 5.50          | PHG ...PK665  |               |
| 955     |                  | 37.6 | 2.34 | 3.50 | PHG ...PJ955  |         | 690              | 27.2 | 3.56 | 5.50          | PHG ...PK690  |               |
| 965     |                  | 38.0 | 2.34 | 3.50 | PHG ...PJ965  |         | 710              | 28.0 | 3.56 | 5.50          | PHG ...PK710  |               |
| 1010    |                  | 39.8 | 2.34 | 3.50 | PHG ...PJ1010 |         | 740              | 29.1 | 3.56 | 5.50          | PHG ...PK740  |               |
| 1090    |                  | 42.9 | 2.34 | 3.50 | PHG ...PJ1090 |         | 760              | 29.9 | 3.56 | 5.50          | PHG ...PK760  |               |
| 1105    |                  | 43.5 | 2.34 | 3.50 | PHG ...PJ1105 |         | 785              | 30.9 | 3.56 | 5.50          | PHG ...PK785  |               |
| 1110    |                  | 43.7 | 2.34 | 3.50 | PHG ...PJ1110 |         | 790              | 31.1 | 3.56 | 5.50          | PHG ...PK790  |               |
| 1120    |                  | 44.1 | 2.34 | 3.50 | PHG ...PJ1120 |         | 800              | 31.5 | 3.56 | 5.50          | PHG ...PK800  |               |
| 1130    |                  | 44.5 | 2.34 | 3.50 | PHG ...PJ1130 | 820     | 32.3             | 3.56 | 5.50 | PHG ...PK820  |               |               |
| 1150    |                  | 45.3 | 2.34 | 3.50 | PHG ...PJ1150 | 840     | 33.1             | 3.56 | 5.50 | PHG ...PK840  |               |               |
| 1160    |                  | 45.7 | 2.34 | 3.50 | PHG ...PJ1160 | 850     | 33.5             | 3.56 | 5.50 | PHG ...PK850  |               |               |
| 1190    |                  | 46.9 | 2.34 | 3.50 | PHG ...PJ1190 | 865     | 34.1             | 3.56 | 5.50 | PHG ...PK865  |               |               |
| 1200    |                  | 47.3 | 2.34 | 3.50 | PHG ...PJ1200 | 870     | 34.3             | 3.56 | 5.50 | PHG ...PK870  |               |               |
| 1220    |                  | 48.0 | 2.34 | 3.50 | PHG ...PJ1220 | 885     | 34.8             | 3.56 | 5.50 | PHG ...PK885  |               |               |
|         |                  |      |      |      |               | 890     | 35.0             | 3.56 | 5.50 | PHG ...PK890  |               |               |
|         |                  |      |      |      |               | 900     | 35.4             | 3.56 | 5.50 | PHG ...PK900  |               |               |

Non-standard lengths are also available.  
To complete designation add number of ribs. For example PHG 4PJ1320.



| Section | Dimensions       |      |      |      | Designation   |
|---------|------------------|------|------|------|---------------|
|         | Effective length |      | w    | h    |               |
| —       | mm               | in.  | mm   |      | —             |
| PK      | 910              | 35.8 | 3.56 | 5.50 | PHG ...PK910  |
|         | 925              | 36.4 | 3.56 | 5.50 | PHG ...PK925  |
|         | 940              | 37.0 | 3.56 | 5.50 | PHG ...PK940  |
|         | 945              | 37.2 | 3.56 | 5.50 | PHG ...PK945  |
|         | 950              | 37.4 | 3.56 | 5.50 | PHG ...PK950  |
|         | 960              | 37.8 | 3.56 | 5.50 | PHG ...PK960  |
|         | 970              | 38.2 | 3.56 | 5.50 | PHG ...PK970  |
|         | 980              | 38.6 | 3.56 | 5.50 | PHG ...PK980  |
|         | 990              | 39.0 | 3.56 | 5.50 | PHG ...PK990  |
|         | 1000             | 39.4 | 3.56 | 5.50 | PHG ...PK1000 |
|         | 1010             | 39.8 | 3.56 | 5.50 | PHG ...PK1010 |
|         | 1015             | 40.0 | 3.56 | 5.50 | PHG ...PK1015 |
|         | 1020             | 40.2 | 3.56 | 5.50 | PHG ...PK1020 |
|         | 1040             | 40.9 | 3.56 | 5.50 | PHG ...PK1040 |
|         | 1050             | 41.3 | 3.56 | 5.50 | PHG ...PK1050 |
|         | 1060             | 41.7 | 3.56 | 5.50 | PHG ...PK1060 |
|         | 1075             | 42.3 | 3.56 | 5.50 | PHG ...PK1075 |
|         | 1080             | 42.5 | 3.56 | 5.50 | PHG ...PK1080 |
|         | 1090             | 42.9 | 3.56 | 5.50 | PHG ...PK1090 |
|         | 1100             | 43.3 | 3.56 | 5.50 | PHG ...PK1100 |
|         | 1120             | 44.1 | 3.56 | 5.50 | PHG ...PK1120 |
|         | 1130             | 44.5 | 3.56 | 5.50 | PHG ...PK1130 |
|         | 1140             | 44.9 | 3.56 | 5.50 | PHG ...PK1140 |
|         | 1150             | 45.3 | 3.56 | 5.50 | PHG ...PK1150 |
|         | 1160             | 45.7 | 3.56 | 5.50 | PHG ...PK1160 |
|         | 1170             | 46.1 | 3.56 | 5.50 | PHG ...PK1170 |
|         | 1180             | 46.5 | 3.56 | 5.50 | PHG ...PK1180 |
|         | 1190             | 46.9 | 3.56 | 5.50 | PHG ...PK1190 |
|         | 1200             | 47.3 | 3.56 | 5.50 | PHG ...PK1200 |
|         | 1220             | 48.0 | 3.56 | 5.50 | PHG ...PK1220 |
|         | 1240             | 48.8 | 3.56 | 5.50 | PHG ...PK1240 |
|         | 1260             | 49.6 | 3.56 | 5.50 | PHG ...PK1260 |
|         | 1280             | 50.4 | 3.56 | 5.50 | PHG ...PK1280 |
|         | 1300             | 51.2 | 3.56 | 5.50 | PHG ...PK1300 |
|         | 1320             | 52.0 | 3.56 | 5.50 | PHG ...PK1320 |
|         | 1340             | 52.8 | 3.56 | 5.50 | PHG ...PK1340 |
|         | 1360             | 53.5 | 3.56 | 5.50 | PHG ...PK1360 |
|         | 1380             | 54.3 | 3.56 | 5.50 | PHG ...PK1380 |
|         | 1400             | 55.1 | 3.56 | 5.50 | PHG ...PK1400 |
|         | 1420             | 55.9 | 3.56 | 5.50 | PHG ...PK1420 |
|         | 1440             | 56.7 | 3.56 | 5.50 | PHG ...PK1440 |
|         | 1460             | 57.5 | 3.56 | 5.50 | PHG ...PK1460 |
|         | 1480             | 58.3 | 3.56 | 5.50 | PHG ...PK1480 |
|         | 1500             | 59.1 | 3.56 | 5.50 | PHG ...PK1500 |
|         | 1520             | 59.8 | 3.56 | 5.50 | PHG ...PK1520 |
|         | 1540             | 60.6 | 3.56 | 5.50 | PHG ...PK1540 |
|         | 1560             | 61.4 | 3.56 | 5.50 | PHG ...PK1560 |
|         | 1580             | 62.2 | 3.56 | 5.50 | PHG ...PK1580 |
|         | 1600             | 63.0 | 3.56 | 5.50 | PHG ...PK1600 |
|         | 1620             | 63.8 | 3.56 | 5.50 | PHG ...PK1620 |
|         | 1640             | 64.6 | 3.56 | 5.50 | PHG ...PK1640 |
|         | 1660             | 65.4 | 3.56 | 5.50 | PHG ...PK1660 |
|         | 1680             | 66.1 | 3.56 | 5.50 | PHG ...PK1680 |
|         | 1690             | 66.5 | 3.56 | 5.50 | PHG ...PK1690 |
|         | 1710             | 67.3 | 3.56 | 5.50 | PHG ...PK1710 |

| Section | Dimensions       |       | Designation |      |               |
|---------|------------------|-------|-------------|------|---------------|
|         | Effective length |       |             |      |               |
|         |                  |       | w           | h    |               |
| —       | mm               | in.   | mm          |      | —             |
| PK      | 1720             | 67.7  | 3.56        | 5.50 | PHG ...PK1720 |
|         | 1770             | 69.7  | 3.56        | 5.50 | PHG ...PK1770 |
|         | 1780             | 70.1  | 3.56        | 5.50 | PHG ...PK1780 |
|         | 1800             | 70.9  | 3.56        | 5.50 | PHG ...PK1800 |
|         | 1830             | 72.0  | 3.56        | 5.50 | PHG ...PK1830 |
|         | 1865             | 73.4  | 3.56        | 5.50 | PHG ...PK1865 |
|         | 1880             | 74.0  | 3.56        | 5.50 | PHG ...PK1880 |
|         | 1900             | 74.8  | 3.56        | 5.50 | PHG ...PK1900 |
|         | 1950             | 76.8  | 3.56        | 5.50 | PHG ...PK1950 |
|         | 1980             | 78.0  | 3.56        | 5.50 | PHG ...PK1980 |
|         | 2020             | 79.5  | 3.56        | 5.50 | PHG ...PK2020 |
|         | 2080             | 81.9  | 3.56        | 5.50 | PHG ...PK2080 |
|         | 2100             | 82.7  | 3.56        | 5.50 | PHG ...PK2100 |
|         | 2110             | 83.1  | 3.56        | 5.50 | PHG ...PK2110 |
|         | 2130             | 83.9  | 3.56        | 5.50 | PHG ...PK2130 |
|         | 2210             | 87.0  | 3.56        | 5.50 | PHG ...PK2210 |
|         | 2230             | 87.8  | 3.56        | 5.50 | PHG ...PK2230 |
|         | 2250             | 88.6  | 3.56        | 5.50 | PHG ...PK2250 |
|         | 2300             | 90.6  | 3.56        | 5.50 | PHG ...PK2300 |
|         | 2330             | 91.7  | 3.56        | 5.50 | PHG ...PK2330 |
|         | 2420             | 95.3  | 3.56        | 5.50 | PHG ...PK2420 |
| PL      | 1075             | 42.5  | 4.70        | 7.00 | PHG ...PL1075 |
|         | 1270             | 50.0  | 4.70        | 7.00 | PHG ...PL1270 |
|         | 1333             | 52.5  | 4.70        | 7.00 | PHG ...PL1333 |
|         | 1371             | 54.0  | 4.70        | 7.00 | PHG ...PL1371 |
|         | 1397             | 55.0  | 4.70        | 7.00 | PHG ...PL1397 |
|         | 1422             | 56.0  | 4.70        | 7.00 | PHG ...PL1422 |
|         | 1562             | 61.5  | 4.70        | 7.00 | PHG ...PL1562 |
|         | 1613             | 63.5  | 4.70        | 7.00 | PHG ...PL1613 |
|         | 1664             | 65.5  | 4.70        | 7.00 | PHG ...PL1664 |
|         | 1715             | 67.5  | 4.70        | 7.00 | PHG ...PL1715 |
|         | 1764             | 69.5  | 4.70        | 7.00 | PHG ...PL1764 |
|         | 1803             | 71.0  | 4.70        | 7.00 | PHG ...PL1803 |
|         | 1841             | 72.5  | 4.70        | 7.00 | PHG ...PL1841 |
|         | 1943             | 76.5  | 4.70        | 7.00 | PHG ...PL1943 |
|         | 1981             | 78.0  | 4.70        | 7.00 | PHG ...PL1981 |
|         | 2020             | 79.5  | 4.70        | 7.00 | PHG ...PL2020 |
|         | 2070             | 81.5  | 4.70        | 7.00 | PHG ...PL2070 |
|         | 2096             | 82.5  | 4.70        | 7.00 | PHG ...PL2096 |
|         | 2134             | 84.0  | 4.70        | 7.00 | PHG ...PL2134 |
|         | 2197             | 86.5  | 4.70        | 7.00 | PHG ...PL2197 |
|         | 2235             | 88.0  | 4.70        | 7.00 | PHG ...PL2235 |
|         | 2324             | 91.5  | 4.70        | 7.00 | PHG ...PL2324 |
|         | 2362             | 93.0  | 4.70        | 7.00 | PHG ...PL2362 |
|         | 2476             | 97.5  | 4.70        | 7.00 | PHG ...PL2476 |
|         | 2515             | 99.0  | 4.70        | 7.00 | PHG ...PL2515 |
|         | 2705             | 106.5 | 4.70        | 7.00 | PHG ...PL2705 |
|         | 2743             | 108.0 | 4.70        | 7.00 | PHG ...PL2743 |
|         | 2845             | 112.0 | 4.70        | 7.00 | PHG ...PL2845 |
|         | 2895             | 114.0 | 4.70        | 7.00 | PHG ...PL2895 |
|         | 2921             | 115.0 | 4.70        | 7.00 | PHG ...PL2921 |
|         | 2997             | 116.0 | 4.70        | 7.00 | PHG ...PL2997 |
|         | 3086             | 121.5 | 4.70        | 7.00 | PHG ...PL3086 |
|         | 3124             | 123.0 | 4.70        | 7.00 | PHG ...PL3124 |

Non-standard lengths are also available.  
To complete designation add number of ribs. For example PHG 4PJ1320.

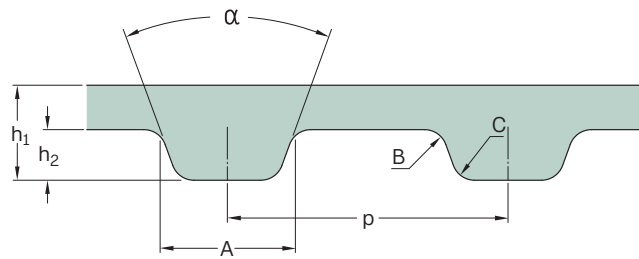
## Ribbed belts

### PL | PM

| Section | Dimensions       |       | Designation |       |               |
|---------|------------------|-------|-------------|-------|---------------|
|         | Effective length |       | w           | h     |               |
| —       | mm               | in.   | mm          |       | —             |
| PL      | 3 289            | 129.5 | 4.70        | 7.00  | PHG ...PL3289 |
|         | 3 327            | 131.0 | 4.70        | 7.00  | PHG ...PL3327 |
|         | 3 492            | 137.5 | 4.70        | 7.00  | PHG ...PL3492 |
|         | 3 696            | 145.5 | 4.70        | 7.00  | PHG ...PL3696 |
|         | 4 051            | 159.5 | 4.70        | 7.00  | PHG ...PL4051 |
| PM      | 2 693            | 106.0 | 9.40        | 13.00 | PHG ...PM2693 |
|         | 2 832            | 111.5 | 9.40        | 13.00 | PHG ...PM2832 |
|         | 2 921            | 115.0 | 9.40        | 13.00 | PHG ...PM2921 |
|         | 3 010            | 118.5 | 9.40        | 13.00 | PHG ...PM3010 |
|         | 3 124            | 123.0 | 9.40        | 13.00 | PHG ...PM3124 |
|         | 3 327            | 131.0 | 9.40        | 13.00 | PHG ...PM3327 |
|         | 3 531            | 139.0 | 9.40        | 13.00 | PHG ...PM3531 |
|         | 3 734            | 147.0 | 9.40        | 13.00 | PHG ...PM3734 |
|         | 4 089            | 161.0 | 9.40        | 13.00 | PHG ...PM4089 |
|         | 4 191            | 165.0 | 9.40        | 13.00 | PHG ...PM4191 |
|         | 4 470            | 176.0 | 9.40        | 13.00 | PHG ...PM4470 |
|         | 4 648            | 183.0 | 9.40        | 13.00 | PHG ...PM4648 |
|         |                  |       |             |       |               |
|         |                  |       |             |       |               |
|         |                  |       |             |       |               |
|         |                  |       |             |       |               |

Non-standard lengths are also available.  
To complete designation add number of ribs. For example PHG 4PJ1320.

Classical timing belts  
MXL



| Section | Number of<br>teeth | Dimensions   |        |       |       |      |      |       |      |          | Designation     |
|---------|--------------------|--------------|--------|-------|-------|------|------|-------|------|----------|-----------------|
|         |                    | Pitch length |        |       |       |      |      |       |      |          |                 |
|         |                    |              |        | $h_1$ | $h_2$ | A    | B    | p     | C    | $\alpha$ |                 |
| —       | —                  | in.          | mm     |       |       |      |      |       |      | °        | —               |
| MXL     | 26                 | 2.08         | 52.83  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 208-MXL-... |
|         | 27                 | 2.16         | 54.86  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 216-MXL-... |
|         | 33                 | 2.64         | 67.06  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 264-MXL-... |
|         | 35                 | 2.80         | 71.12  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 280-MXL-... |
|         | 40                 | 3.20         | 81.28  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 320-MXL-... |
|         | 43                 | 3.44         | 87.38  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 344-MXL-... |
|         | 45                 | 3.60         | 91.44  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 360-MXL-... |
|         | 49                 | 3.92         | 99.57  | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 392-MXL-... |
|         | 50                 | 4.00         | 101.60 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 400-MXL-... |
|         | 51                 | 4.08         | 103.63 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 408-MXL-... |
|         | 52                 | 4.16         | 105.66 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 416-MXL-... |
|         | 53                 | 4.24         | 107.70 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 424-MXL-... |
|         | 54                 | 4.32         | 109.73 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 432-MXL-... |
|         | 55                 | 4.40         | 111.76 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 440-MXL-... |
|         | 56                 | 4.48         | 113.79 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 448-MXL-... |
|         | 58                 | 4.64         | 117.86 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 464-MXL-... |
|         | 59                 | 4.72         | 119.89 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 472-MXL-... |
|         | 60                 | 4.80         | 121.92 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 480-MXL-... |
|         | 61                 | 4.88         | 123.95 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 488-MXL-... |
|         | 62                 | 4.96         | 125.98 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 496-MXL-... |
|         | 63                 | 5.04         | 128.02 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 504-MXL-... |
|         | 64                 | 5.12         | 130.05 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 512-MXL-... |
|         | 65                 | 5.20         | 132.08 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 520-MXL-... |
|         | 66                 | 5.28         | 134.11 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 528-MXL-... |
|         | 67                 | 5.36         | 136.14 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 536-MXL-... |
|         | 68                 | 5.44         | 138.18 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 544-MXL-... |
|         | 70                 | 5.60         | 142.24 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 560-MXL-... |
|         | 71                 | 5.68         | 144.27 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 568-MXL-... |
|         | 72                 | 5.76         | 146.30 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 576-MXL-... |
|         | 73                 | 5.84         | 148.34 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 584-MXL-... |
|         | 75                 | 6.00         | 152.40 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 600-MXL-... |
|         | 76                 | 6.08         | 154.43 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 608-MXL-... |
|         | 77                 | 6.16         | 156.46 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 616-MXL-... |
|         | 78                 | 6.24         | 158.50 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 624-MXL-... |
|         | 79                 | 6.32         | 160.53 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 632-MXL-... |
|         | 80                 | 6.40         | 162.56 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 640-MXL-... |
|         | 82                 | 6.56         | 166.62 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 656-MXL-... |
|         | 83                 | 6.64         | 168.66 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 664-MXL-... |
|         | 85                 | 6.80         | 172.72 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 680-MXL-... |
|         | 87                 | 6.96         | 176.78 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 696-MXL-... |
|         | 88                 | 7.04         | 178.82 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 704-MXL-... |
|         | 89                 | 7.12         | 180.85 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 712-MXL-... |
|         | 90                 | 7.20         | 182.88 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 720-MXL-... |
|         | 92                 | 7.36         | 186.94 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 736-MXL-... |
|         | 94                 | 7.52         | 191.01 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 752-MXL-... |
|         | 95                 | 7.60         | 193.04 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 760-MXL-... |
|         | 97                 | 7.76         | 197.10 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 776-MXL-... |
|         | 98                 | 7.84         | 199.14 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 784-MXL-... |
|         | 100                | 8.00         | 203.20 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 800-MXL-... |
|         | 102                | 8.16         | 207.26 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 816-MXL-... |
|         | 103                | 8.24         | 209.30 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 824-MXL-... |
|         | 105                | 8.40         | 213.36 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 840-MXL-... |
|         | 106                | 8.48         | 215.39 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 848-MXL-... |
|         | 108                | 8.64         | 219.46 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 864-MXL-... |
|         | 109                | 8.72         | 221.49 | 1.14  | 0.51  | 1.14 | 0.13 | 2.032 | 0.13 | 40       | PHG 872-MXL-... |

Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

## MXL

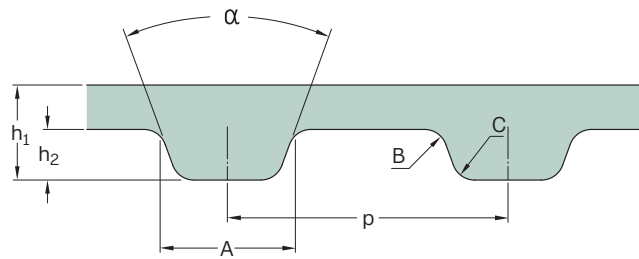
| Section | Number of teeth | Dimensions   |              | h <sub>1</sub> | h <sub>2</sub> | A    | B    | p     | C    | α  | Designation      |
|---------|-----------------|--------------|--------------|----------------|----------------|------|------|-------|------|----|------------------|
|         |                 | Pitch length | Pitch length |                |                |      |      |       |      |    |                  |
| —       | —               | in.          | mm           |                |                |      |      |       |      | °  | —                |
| MXL     | 110             | 8.80         | 223.52       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 880-MXL-...  |
|         | 112             | 8.96         | 227.58       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 896-MXL-...  |
|         | 113             | 9.04         | 229.62       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 904-MXL-...  |
|         | 114             | 9.12         | 231.65       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 912-MXL-...  |
|         | 115             | 9.20         | 233.68       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 920-MXL-...  |
|         | 116             | 9.28         | 235.71       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 928-MXL-...  |
|         | 118             | 9.44         | 239.78       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 944-MXL-...  |
|         | 120             | 9.60         | 243.84       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 960-MXL-...  |
|         | 122             | 9.76         | 247.90       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 976-MXL-...  |
|         | 123             | 9.84         | 249.94       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 984-MXL-...  |
|         | 125             | 10.00        | 254.00       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1000-MXL-... |
|         | 126             | 10.08        | 256.03       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1008-MXL-... |
|         | 132             | 10.56        | 268.22       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1056-MXL-... |
|         | 133             | 10.64        | 270.26       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1064-MXL-... |
|         | 135             | 10.80        | 274.32       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1080-MXL-... |
|         | 136             | 10.88        | 276.35       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1088-MXL-... |
|         | 137             | 10.96        | 278.38       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1096-MXL-... |
|         | 138             | 11.04        | 280.42       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1104-MXL-... |
|         | 139             | 11.12        | 282.45       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1112-MXL-... |
|         | 140             | 11.20        | 284.48       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1120-MXL-... |
|         | 142             | 11.36        | 288.54       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1136-MXL-... |
|         | 144             | 11.52        | 292.61       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1152-MXL-... |
|         | 145             | 11.60        | 294.64       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1160-MXL-... |
|         | 148             | 11.84        | 300.74       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1184-MXL-... |
|         | 149             | 11.92        | 302.77       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1192-MXL-... |
|         | 150             | 12.00        | 304.80       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1200-MXL-... |
|         | 152             | 12.16        | 308.86       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1216-MXL-... |
|         | 153             | 12.24        | 310.90       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1224-MXL-... |
|         | 154             | 12.32        | 312.93       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1232-MXL-... |
|         | 155             | 12.40        | 314.96       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1240-MXL-... |
|         | 156             | 12.48        | 316.99       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1248-MXL-... |
|         | 158             | 12.64        | 321.06       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1264-MXL-... |
|         | 160             | 12.80        | 325.12       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1280-MXL-... |
|         | 162             | 12.96        | 329.18       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1296-MXL-... |
|         | 165             | 13.20        | 335.28       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1320-MXL-... |
|         | 168             | 13.44        | 341.38       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1344-MXL-... |
|         | 170             | 13.60        | 345.44       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1360-MXL-... |
|         | 175             | 14.00        | 355.60       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1400-MXL-... |
|         | 180             | 14.40        | 365.76       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1440-MXL-... |
|         | 184             | 14.72        | 373.89       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1472-MXL-... |
|         | 190             | 15.20        | 386.08       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1520-MXL-... |
|         | 192             | 15.36        | 390.14       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1536-MXL-... |
|         | 194             | 15.52        | 394.21       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1552-MXL-... |
|         | 195             | 15.60        | 396.24       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1560-MXL-... |
|         | 200             | 16.00        | 406.40       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1600-MXL-... |
|         | 206             | 16.48        | 418.59       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1648-MXL-... |
|         | 210             | 16.80        | 426.72       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1680-MXL-... |
|         | 212             | 16.96        | 430.78       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1696-MXL-... |
|         | 221             | 17.68        | 449.07       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1768-MXL-... |
|         | 225             | 18.00        | 457.20       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1800-MXL-... |
|         | 228             | 18.20        | 462.28       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1820-MXL-... |
|         | 232             | 18.56        | 471.42       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1856-MXL-... |
|         | 236             | 18.88        | 479.55       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1888-MXL-... |
|         | 239             | 19.12        | 485.65       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1912-MXL-... |
|         | 240             | 19.20        | 487.68       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1920-MXL-... |
|         | 249             | 19.92        | 505.97       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 1992-MXL-... |
|         | 250             | 20.00        | 508.00       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2000-MXL-... |
|         | 256             | 20.48        | 520.19       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2048-MXL-... |
|         | 265             | 21.20        | 538.48       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2120-MXL-... |
|         | 273             | 21.84        | 554.74       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2184-MXL-... |
|         | 276             | 22.08        | 560.83       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2208-MXL-... |
|         | 280             | 22.40        | 568.96       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2240-MXL-... |
|         | 290             | 23.20        | 589.28       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2320-MXL-... |
|         | 295             | 23.60        | 599.44       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2360-MXL-... |
|         | 298             | 23.84        | 605.54       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2384-MXL-... |
|         | 300             | 24.00        | 609.60       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2400-MXL-... |
|         | 305             | 24.40        | 619.76       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2440-MXL-... |
|         | 312             | 24.96        | 633.98       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2496-MXL-... |
|         | 318             | 25.44        | 646.18       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2544-MXL-... |
|         | 320             | 25.60        | 650.24       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2560-MXL-... |
|         | 328             | 26.24        | 666.50       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2624-MXL-... |
|         | 336             | 26.88        | 682.75       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2688-MXL-... |
|         | 347             | 27.76        | 705.10       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2776-MXL-... |
|         | 362             | 28.96        | 735.58       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 2896-MXL-... |
|         | 378             | 30.24        | 768.10       | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13 | 40 | PHG 3024-MXL-... |

Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

Classical timing belts  
MXL



| Section | Number of<br>teeth | Dimensions   |         |                |                |      |      |       |       |      | Designation       |
|---------|--------------------|--------------|---------|----------------|----------------|------|------|-------|-------|------|-------------------|
|         |                    | Pitch length |         |                |                |      |      |       |       |      |                   |
|         |                    |              |         | h <sub>1</sub> | h <sub>2</sub> | A    | B    | p     | C     | α    |                   |
| —       | —                  | in.          | mm      |                |                |      |      |       |       | °    | —                 |
| MXL     | 400                | 32.00        | 812.80  | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 3200-MXL-...  |
|         | 408                | 32.64        | 829.06  | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 3264-MXL-...  |
|         | 448                | 35.84        | 910.34  | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 3584-MXL-...  |
|         | 463                | 37.04        | 940.82  | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 3704-MXL-...  |
|         | 472                | 37.76        | 959.10  | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 3776-MXL-...  |
|         | 504                | 40.32        | 1024.13 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4032-MXL-...  |
|         | 522                | 41.76        | 1060.70 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4176-MXL-...  |
|         | 531                | 42.48        | 1078.99 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4248-MXL-...  |
|         | 546                | 43.68        | 1109.47 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4368-MXL-...  |
|         | 548                | 43.84        | 1113.54 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4384-MXL-...  |
|         | 570                | 45.60        | 1158.24 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4560-MXL-...  |
|         | 583                | 46.64        | 1184.66 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4664-MXL-...  |
|         | 600                | 48.00        | 1219.20 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 4800-MXL-...  |
|         | 648                | 51.84        | 1316.74 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 5184-MXL-...  |
|         | 680                | 54.40        | 1381.76 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 5440-MXL-...  |
|         | 750                | 60.00        | 1524.00 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 6000-MXL-...  |
|         | 760                | 60.80        | 1544.32 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 6080-MXL-...  |
|         | 800                | 64.00        | 1625.60 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 6400-MXL-...  |
|         | 955                | 76.40        | 1940.56 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 7640-MXL-...  |
|         | 957                | 76.56        | 1944.62 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 7656-MXL-...  |
|         | 1012               | 80.96        | 2056.38 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 8096-MXL-...  |
|         | 1030               | 82.40        | 2092.96 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 8240-MXL-...  |
|         | 1060               | 84.80        | 2153.92 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 8480-MXL-...  |
|         | 1137               | 90.96        | 2310.38 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 9096-MXL-...  |
|         | 1250               | 100.00       | 2540.00 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 10000-MXL-... |
|         | 1426               | 114.12       | 2898.65 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 11412-MXL-... |
|         | 1463               | 117.00       | 2971.80 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 11700-MXL-... |
|         | 1516               | 121.32       | 3081.53 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 12132-MXL-... |
|         | 1806               | 145.52       | 3696.21 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 14552-MXL-... |
|         | 1875               | 150.00       | 3810.00 | 1.14           | 0.51           | 1.14 | 0.13 | 2.032 | 0.13  | 40   | PHG 15000-MXL-... |
|         |                    | 2 044        | 163.55  | 4 154.17       | 1.14           | 0.51 | 1.14 | 0.13  | 2.032 | 0.13 | 40                |
| XL      | 22                 | 4.40         | 111.76  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 44-XL-...     |
|         | 28                 | 5.60         | 142.24  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 56-XL-...     |
|         | 30                 | 6.00         | 152.40  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 60-XL-...     |
|         | 35                 | 7.00         | 177.80  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 70-XL-...     |
|         | 36                 | 7.20         | 182.88  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 72-XL-...     |
|         | 37                 | 7.40         | 187.96  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 74-XL-...     |
|         | 38                 | 7.60         | 193.04  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 76-XL-...     |
|         | 40                 | 8.00         | 203.20  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 80-XL-...     |
|         | 41                 | 8.20         | 208.28  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 82-XL-...     |
|         | 42                 | 8.40         | 213.36  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 84-XL-...     |
|         | 43                 | 8.60         | 218.44  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 86-XL-...     |
|         | 44                 | 8.80         | 223.52  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 88-XL-...     |
|         | 45                 | 9.00         | 228.60  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 90-XL-...     |
|         | 46                 | 9.20         | 233.68  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 92-XL-...     |
|         | 47                 | 9.40         | 238.76  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 94-XL-...     |
|         | 48                 | 9.60         | 243.84  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 96-XL-...     |
|         | 49                 | 9.80         | 248.92  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 98-XL-...     |
|         | 50                 | 10.00        | 254.00  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 100-XL-...    |
|         | 51                 | 10.20        | 259.08  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 102-XL-...    |
|         | 52                 | 10.40        | 264.16  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 104-XL-...    |
|         | 53                 | 10.60        | 269.24  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 106-XL-...    |
|         | 54                 | 10.80        | 274.32  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 108-XL-...    |
|         | 55                 | 11.00        | 279.40  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 110-XL-...    |
|         | 56                 | 11.20        | 284.48  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 112-XL-...    |
|         | 57                 | 11.40        | 289.56  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38  | 50   | PHG 114-XL-...    |

Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

## XL

| Section | Number of teeth | Dimensions   |              | h <sub>1</sub> | h <sub>2</sub> | A    | B    | p     | C    | α  | Designation    |
|---------|-----------------|--------------|--------------|----------------|----------------|------|------|-------|------|----|----------------|
|         |                 | Pitch length | Pitch length |                |                |      |      |       |      |    |                |
| –       | –               | in.          | mm           |                |                |      |      |       |      | °  | –              |
| XL      | 58              | 11.60        | 294.64       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 116-XL-... |
|         | 59              | 11.80        | 299.72       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 118-XL-... |
|         | 60              | 12.00        | 304.80       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 120-XL-... |
|         | 61              | 12.20        | 309.88       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 122-XL-... |
|         | 62              | 12.40        | 314.96       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 124-XL-... |
|         | 63              | 12.60        | 320.04       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 126-XL-... |
|         | 64              | 12.80        | 325.12       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 128-XL-... |
|         | 65              | 13.00        | 330.20       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 130-XL-... |
|         | 66              | 13.20        | 335.28       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 132-XL-... |
|         | 67              | 13.40        | 340.36       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 134-XL-... |
|         | 68              | 13.60        | 345.44       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 136-XL-... |
|         | 70              | 14.00        | 355.60       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 140-XL-... |
|         | 71              | 14.20        | 360.68       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 142-XL-... |
|         | 72              | 14.40        | 365.76       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 144-XL-... |
|         | 73              | 14.60        | 370.84       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 146-XL-... |
|         | 74              | 14.80        | 375.92       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 148-XL-... |
|         | 75              | 15.00        | 381.00       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 150-XL-... |
|         | 76              | 15.20        | 386.08       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 152-XL-... |
|         | 77              | 15.40        | 391.16       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 154-XL-... |
|         | 78              | 15.60        | 396.24       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 156-XL-... |
|         | 80              | 16.00        | 406.40       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 160-XL-... |
|         | 81              | 16.20        | 411.48       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 162-XL-... |
|         | 82              | 16.40        | 416.56       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 164-XL-... |
|         | 83              | 16.60        | 421.64       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 166-XL-... |
|         | 84              | 16.80        | 426.72       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 168-XL-... |
|         | 85              | 17.00        | 431.80       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 170-XL-... |
|         | 86              | 17.20        | 436.88       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 172-XL-... |
|         | 88              | 17.60        | 447.04       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 176-XL-... |
|         | 89              | 17.80        | 452.12       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 178-XL-... |
|         | 90              | 18.00        | 457.20       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 180-XL-... |
|         | 91              | 18.20        | 462.28       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 182-XL-... |
|         | 92              | 18.40        | 467.36       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 184-XL-... |
|         | 93              | 18.60        | 472.44       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 186-XL-... |
|         | 94              | 18.80        | 477.52       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 188-XL-... |
|         | 95              | 19.00        | 482.60       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 190-XL-... |
|         | 96              | 19.20        | 487.68       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 192-XL-... |
|         | 97              | 19.40        | 492.76       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 194-XL-... |
|         | 98              | 19.60        | 497.84       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 196-XL-... |
|         | 99              | 19.80        | 502.92       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 198-XL-... |
|         | 100             | 20.00        | 508.00       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 200-XL-... |
|         | 101             | 20.20        | 513.08       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 202-XL-... |
|         | 103             | 20.60        | 523.24       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 206-XL-... |
|         | 104             | 20.80        | 528.32       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 208-XL-... |
|         | 105             | 21.00        | 533.40       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 210-XL-... |
|         | 106             | 21.20        | 538.48       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 212-XL-... |
|         | 107             | 21.40        | 543.56       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 214-XL-... |
|         | 109             | 21.80        | 553.72       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 218-XL-... |
|         | 110             | 22.00        | 558.80       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 220-XL-... |
|         | 113             | 22.60        | 574.04       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 226-XL-... |
|         | 114             | 22.80        | 579.12       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 228-XL-... |
|         | 115             | 23.00        | 584.20       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 230-XL-... |
|         | 117             | 23.40        | 594.36       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 234-XL-... |
|         | 118             | 23.60        | 599.44       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 236-XL-... |
|         | 120             | 24.00        | 609.60       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 240-XL-... |
|         | 124             | 24.80        | 629.92       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 248-XL-... |
|         | 125             | 25.00        | 635.00       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 250-XL-... |
|         | 128             | 25.60        | 650.24       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 256-XL-... |
|         | 130             | 26.00        | 660.40       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 260-XL-... |
|         | 132             | 26.40        | 670.56       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 264-XL-... |
|         | 135             | 27.00        | 685.80       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 270-XL-... |
|         | 137             | 27.40        | 695.96       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 274-XL-... |
|         | 138             | 27.60        | 701.04       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 276-XL-... |
|         | 140             | 28.00        | 711.20       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 280-XL-... |
|         | 141             | 28.20        | 716.28       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 282-XL-... |
|         | 143             | 28.60        | 726.44       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 286-XL-... |
|         | 145             | 29.00        | 736.60       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 290-XL-... |
|         | 150             | 30.00        | 762.00       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 300-XL-... |
|         | 152             | 30.40        | 772.16       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 304-XL-... |
|         | 153             | 30.60        | 777.24       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 306-XL-... |
|         | 155             | 31.00        | 787.40       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 310-XL-... |
|         | 158             | 31.60        | 802.64       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 316-XL-... |
|         | 160             | 32.00        | 812.80       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 320-XL-... |
|         | 161             | 32.20        | 817.88       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 322-XL-... |
|         | 163             | 32.60        | 828.04       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 326-XL-... |
|         | 165             | 33.00        | 838.20       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 330-XL-... |
|         | 170             | 34.00        | 863.60       | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 340-XL-... |

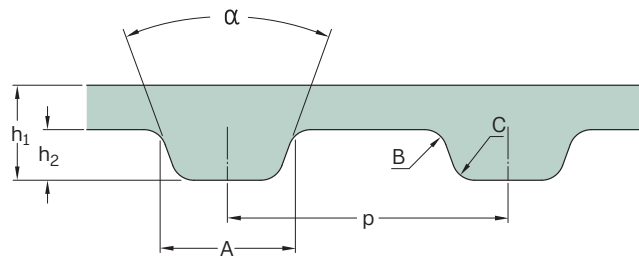
Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

## XL | L



| Section | Number of<br>teeth | Dimensions   |         | h <sub>1</sub> | h <sub>2</sub> | A    | B    | p     | C    | α  | Designation     |
|---------|--------------------|--------------|---------|----------------|----------------|------|------|-------|------|----|-----------------|
|         |                    | Pitch length |         |                |                |      |      |       |      |    |                 |
| —       | —                  | in.          | mm      |                |                |      |      |       |      | °  | —               |
| XL      | 172                | 34.40        | 873.76  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 344-XL-...  |
|         | 174                | 34.80        | 883.92  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 348-XL-...  |
|         | 176                | 35.20        | 894.08  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 352-XL-...  |
|         | 178                | 35.60        | 904.24  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 356-XL-...  |
|         | 180                | 36.00        | 914.40  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 360-XL-...  |
|         | 181                | 36.20        | 919.48  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 362-XL-...  |
|         | 182                | 36.40        | 924.56  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 364-XL-...  |
|         | 186                | 37.20        | 944.88  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 372-XL-...  |
|         | 188                | 37.60        | 955.04  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 376-XL-...  |
|         | 190                | 38.00        | 965.20  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 380-XL-...  |
|         | 192                | 38.40        | 975.36  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 384-XL-...  |
|         | 195                | 39.00        | 990.60  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 390-XL-...  |
|         | 196                | 39.20        | 995.68  | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 392-XL-...  |
|         | 200                | 40.00        | 1016.00 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 400-XL-...  |
|         | 206                | 41.20        | 1046.48 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 412-XL-...  |
|         | 207                | 41.40        | 1051.56 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 414-XL-...  |
|         | 212                | 42.40        | 1076.96 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 424-XL-...  |
|         | 215                | 43.00        | 1092.20 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 430-XL-...  |
|         | 216                | 43.20        | 1097.28 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 432-XL-...  |
|         | 217                | 43.40        | 1102.36 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 434-XL-...  |
|         | 225                | 45.00        | 1143.00 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 450-XL-...  |
|         | 230                | 46.00        | 1168.40 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 460-XL-...  |
|         | 240                | 48.00        | 1219.20 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 480-XL-...  |
|         | 245                | 49.00        | 1244.60 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 490-XL-...  |
|         | 246                | 49.20        | 1249.68 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 492-XL-...  |
|         | 257                | 51.40        | 1305.56 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 514-XL-...  |
|         | 280                | 56.00        | 1422.40 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 560-XL-...  |
|         | 282                | 56.40        | 1432.56 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 564-XL-...  |
|         | 290                | 58.00        | 1473.20 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 580-XL-...  |
|         | 306                | 61.20        | 1554.48 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 612-XL-...  |
|         | 315                | 63.00        | 1600.20 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 630-XL-...  |
|         | 335                | 67.00        | 1701.80 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 670-XL-...  |
|         | 336                | 67.20        | 1706.88 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 672-XL-...  |
|         | 343                | 68.60        | 1742.44 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 686-XL-...  |
|         | 355                | 71.00        | 1803.40 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 710-XL-...  |
|         | 360                | 72.00        | 1828.80 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 720-XL-...  |
|         | 368                | 73.60        | 1869.44 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 736-XL-...  |
|         | 394                | 78.80        | 2001.52 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 788-XL-...  |
|         | 430                | 86.00        | 2184.40 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 860-XL-...  |
|         | 516                | 103.20       | 2621.28 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 1032-XL-... |
|         | 610                | 122.00       | 3098.80 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 1220-XL-... |
|         | 650                | 130.00       | 3302.00 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 1300-XL-... |
|         | 747                | 149.40       | 3794.76 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 1494-XL-... |
|         | 1064               | 212.80       | 5405.12 | 2.30           | 1.27           | 2.57 | 0.38 | 5.080 | 0.38 | 50 | PHG 2128-XL-... |
| L       | 18                 | 6.75         | 171.45  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 67-L-...    |
|         | 26                 | 9.75         | 247.65  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 98-L-...    |
|         | 29                 | 10.88        | 276.23  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 109-L-...   |
|         | 30                 | 11.25        | 285.75  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 113-L-...   |
|         | 33                 | 12.38        | 314.33  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 124-L-...   |
|         | 35                 | 13.13        | 333.38  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 130-L-...   |
|         | 36                 | 13.50        | 342.90  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 135-L-...   |
|         | 38                 | 14.25        | 361.95  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 143-L-...   |
|         | 40                 | 15.00        | 381.00  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 150-L-...   |
|         | 41                 | 15.38        | 390.53  | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 154-L-...   |
|         |                    |              |         |                |                |      |      |       |      |    |                 |
|         |                    |              |         |                |                |      |      |       |      |    |                 |
|         |                    |              |         |                |                |      |      |       |      |    |                 |
|         |                    |              |         |                |                |      |      |       |      |    |                 |

Non-standard lengths may also be available.  
 To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.  
 Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

## L

| Section | Number of teeth | Dimensions   |              | h <sub>1</sub> | h <sub>2</sub> | A    | B    | p     | C    | α  | Designation  |
|---------|-----------------|--------------|--------------|----------------|----------------|------|------|-------|------|----|--------------|
|         |                 | Pitch length | Pitch length |                |                |      |      |       |      |    |              |
| —       | —               | in.          | mm           |                |                |      |      |       |      | °  | —            |
| L       | 42              | 15.75        | 15.75        | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 158-L... |
|         | 43              | 16.13        | 409.58       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 160-L... |
|         | 44              | 16.50        | 419.10       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 165-L... |
|         | 45              | 16.88        | 428.63       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 169-L... |
|         | 46              | 17.25        | 438.15       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 173-L... |
|         | 47              | 17.63        | 447.68       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 177-L... |
|         | 48              | 18.00        | 457.20       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 180-L... |
|         | 49              | 18.38        | 466.73       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 185-L... |
|         | 50              | 18.75        | 476.25       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 187-L... |
|         | 51              | 19.13        | 485.78       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 191-L... |
|         | 52              | 19.50        | 495.30       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 195-L... |
|         | 54              | 20.25        | 514.35       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 203-L... |
|         | 56              | 21.00        | 533.40       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 210-L... |
|         | 57              | 21.38        | 542.93       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 214-L... |
|         | 58              | 21.75        | 552.45       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 217-L... |
|         | 60              | 22.50        | 571.50       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 225-L... |
|         | 62              | 23.25        | 590.55       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 232-L... |
|         | 63              | 23.60        | 599.44       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 236-L... |
|         | 64              | 24.00        | 609.60       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 240-L... |
|         | 65              | 24.38        | 619.13       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 244-L... |
|         | 68              | 25.50        | 647.70       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 255-L... |
|         | 69              | 25.80        | 655.32       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 258-L... |
|         | 70              | 26.25        | 666.75       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 263-L... |
|         | 71              | 26.63        | 676.28       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 265-L... |
|         | 72              | 27.00        | 685.80       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 270-L... |
|         | 73              | 27.38        | 695.33       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 275-L... |
|         | 74              | 27.75        | 704.85       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 277-L... |
|         | 75              | 28.13        | 714.38       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 280-L... |
|         | 76              | 28.50        | 723.90       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 285-L... |
|         | 80              | 30.00        | 762.00       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 300-L... |
|         | 81              | 30.38        | 771.53       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 304-L... |
|         | 84              | 31.50        | 800.10       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 315-L... |
|         | 85              | 31.88        | 809.63       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 320-L... |
|         | 86              | 32.25        | 819.15       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 322-L... |
|         | 87              | 32.63        | 828.68       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 328-L... |
|         | 88              | 33.00        | 838.20       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 330-L... |
|         | 89              | 33.38        | 847.73       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 334-L... |
|         | 90              | 33.75        | 857.25       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 337-L... |
|         | 91              | 34.13        | 866.78       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 341-L... |
|         | 92              | 34.50        | 876.30       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 345-L... |
|         | 94              | 35.25        | 895.35       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 352-L... |
|         | 96              | 36.00        | 914.40       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 360-L... |
|         | 98              | 36.75        | 933.45       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 367-L... |
|         | 99              | 37.13        | 942.98       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 371-L... |
|         | 100             | 37.50        | 952.50       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 375-L... |
|         | 102             | 38.25        | 971.55       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 382-L... |
|         | 103             | 38.63        | 981.08       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 387-L... |
|         | 104             | 39.00        | 990.60       | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 390-L... |
|         | 105             | 39.38        | 1000.13      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 394-L... |
|         | 106             | 39.75        | 1009.65      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 397-L... |
|         | 108             | 40.50        | 1028.70      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 405-L... |
|         | 109             | 40.88        | 1038.23      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 408-L... |
|         | 110             | 41.25        | 1047.75      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 412-L... |
|         | 112             | 42.00        | 1066.80      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 420-L... |
|         | 114             | 42.75        | 1085.85      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 427-L... |
|         | 116             | 43.50        | 1104.90      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 435-L... |
|         | 117             | 43.88        | 1114.43      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 439-L... |
|         | 119             | 44.20        | 1122.68      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 442-L... |
|         | 120             | 45.00        | 1143.00      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 450-L... |
|         | 121             | 45.38        | 1152.53      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 453-L... |
|         | 123             | 46.13        | 1171.70      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 461-L... |
|         | 124             | 46.50        | 1181.10      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 465-L... |
|         | 128             | 48.00        | 1219.20      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 480-L... |
|         | 132             | 49.50        | 1257.30      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 495-L... |
|         | 133             | 50.00        | 1270.00      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 500-L... |
|         | 136             | 51.00        | 1295.40      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 510-L... |
|         | 138             | 51.80        | 1315.72      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 518-L... |
|         | 140             | 52.50        | 1333.50      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 525-L... |
|         | 144             | 54.00        | 1371.60      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 540-L... |
|         | 148             | 55.50        | 1409.70      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 555-L... |
|         | 148             | 54.80        | 1391.92      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 548-L... |
|         | 152             | 57.00        | 1447.80      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 570-L... |
|         | 153             | 57.38        | 1457.33      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 574-L... |
|         | 155             | 58.13        | 1476.38      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 581-L... |
|         | 156             | 58.50        | 1485.90      | 3.60           | 1.91           | 4.65 | 0.51 | 9.525 | 0.51 | 40 | PHG 585-L... |

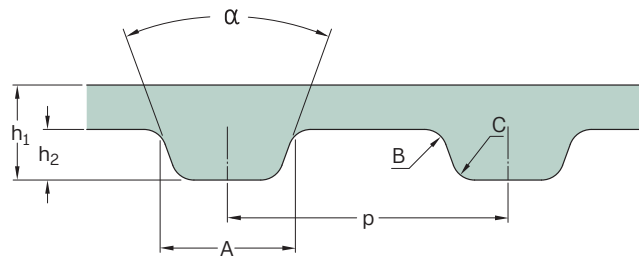
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Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

L | H



| Section | Number of<br>teeth | Dimensions   |         | h <sub>1</sub> | h <sub>2</sub> | A    | B      | p      | C      | α             | Designation    |
|---------|--------------------|--------------|---------|----------------|----------------|------|--------|--------|--------|---------------|----------------|
|         |                    | Pitch length |         |                |                |      |        |        |        |               |                |
| —       | —                  | in.          | mm      |                |                |      |        |        |        | °             | —              |
| L       | 160                | 60.00        | 1524.00 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 600-L-...  |
|         | 165                | 61.88        | 1571.63 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 619-L-...  |
|         | 168                | 63.00        | 1600.20 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 630-L-...  |
|         | 169                | 63.38        | 1609.73 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 634-L-...  |
|         | 176                | 66.00        | 1676.40 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 660-L-...  |
|         | 185                | 69.38        | 1762.13 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 694-L-...  |
|         | 186                | 69.75        | 1771.65 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 697-L-...  |
|         | 187                | 70.13        | 1781.30 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 701-L-...  |
|         | 192                | 72.00        | 1828.80 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 720-L-...  |
|         | 194                | 72.75        | 1847.85 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 728-L-...  |
|         | 195                | 73.13        | 1857.38 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 731-L-...  |
|         | 204                | 76.50        | 1943.10 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 765-L-...  |
|         | 218                | 81.75        | 2076.45 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 817-L-...  |
|         | 224                | 84.00        | 2133.60 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 840-L-...  |
|         | 228                | 85.50        | 2171.70 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 855-L-...  |
|         | 230                | 86.25        | 2190.75 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 863-L-...  |
|         | 232                | 87.00        | 2209.80 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 870-L-...  |
|         | 235                | 88.13        | 2238.38 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 881-L-...  |
|         | 240                | 90.00        | 2286.00 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 900-L-...  |
|         | 244                | 91.50        | 2324.10 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 915-L-...  |
|         | 249                | 93.38        | 2371.73 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 934-L-...  |
|         | 261                | 98.00        | 2489.20 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 980-L-...  |
|         | 274                | 102.75       | 2609.85 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1028-L-... |
|         | 306                | 114.75       | 2914.65 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1148-L-... |
|         | 318                | 119.25       | 3028.95 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1192-L-... |
|         | 375                | 140.63       | 3571.88 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1406-L-... |
|         | 378                | 141.75       | 3600.45 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1418-L-... |
|         | 447                | 167.63       | 4257.68 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1675-L-... |
|         | 530                | 198.75       | 5048.25 | 3.60           | 1.91           | 4.65 | 0.51   | 9.525  | 0.51   | 40            | PHG 1998-L-... |
|         | H                  | 29           | 14.50   | 368.30         | 4.30           | 2.29 | 6.12   | 1.02   | 12.700 | 1.02          | 40             |
| 37      |                    | 18.50        | 469.90  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 185-H-...  |
| 40      |                    | 20.00        | 508.00  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 200-H-...  |
| 41      |                    | 20.50        | 520.70  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 205-H-...  |
| 42      |                    | 21.00        | 533.40  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 210-H-...  |
| 44      |                    | 22.00        | 558.80  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 220-H-...  |
| 45      |                    | 22.50        | 571.50  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 225-H-...  |
| 46      |                    | 23.00        | 584.20  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 230-H-...  |
| 48      |                    | 24.00        | 609.60  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 240-H-...  |
| 49      |                    | 24.50        | 622.30  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 245-H-...  |
| 50      |                    | 25.00        | 635.00  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 250-H-...  |
| 51      |                    | 25.50        | 647.70  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 255-H-...  |
| 52      |                    | 26.00        | 660.40  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 260-H-...  |
| 54      |                    | 27.00        | 685.80  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 270-H-...  |
| 56      |                    | 28.00        | 711.20  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 280-H-...  |
| 57      |                    | 28.50        | 723.90  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 285-H-...  |
| 58      |                    | 29.00        | 736.60  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 290-H-...  |
| 60      |                    | 30.00        | 762.00  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 300-H-...  |
| 62      |                    | 31.00        | 787.40  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 310-H-...  |
| 63      |                    | 31.50        | 800.10  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 315-H-...  |
| 64      |                    | 32.00        | 812.80  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 320-H-...  |
| 65      |                    | 32.50        | 825.50  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 325-H-...  |
| 66      |                    | 33.00        | 838.20  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 330-H-...  |
| 67      |                    | 33.50        | 850.90  | 4.30           | 2.29           | 6.12 | 1.02   | 12.700 | 1.02   | 40            | PHG 335-H-...  |
| 68      | 34.00              | 863.60       | 4.30    | 2.29           | 6.12           | 1.02 | 12.700 | 1.02   | 40     | PHG 340-H-... |                |

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Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

## H

| Section | Number of teeth | Dimensions   |         | h <sub>1</sub> | h <sub>2</sub> | A    | B    | p      | C    | α  | Designation  |
|---------|-----------------|--------------|---------|----------------|----------------|------|------|--------|------|----|--------------|
|         |                 | Pitch length |         |                |                |      |      |        |      |    |              |
| —       | —               | in.          | mm      |                |                |      |      |        |      | °  | —            |
| H       | 69              | 34.50        | 876.30  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 345-H... |
|         | 70              | 35.00        | 889.00  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 350-H... |
|         | 71              | 35.50        | 901.70  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 355-H... |
|         | 72              | 36.00        | 914.40  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 360-H... |
|         | 73              | 36.50        | 927.10  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 365-H... |
|         | 74              | 37.00        | 939.80  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 370-H... |
|         | 75              | 37.50        | 952.50  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 375-H... |
|         | 76              | 38.00        | 965.20  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 380-H... |
|         | 78              | 39.00        | 990.60  | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 390-H... |
|         | 79              | 39.50        | 1003.30 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 395-H... |
|         | 80              | 40.00        | 1016.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 400-H... |
|         | 81              | 40.50        | 1028.70 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 405-H... |
|         | 82              | 41.00        | 1041.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 410-H... |
|         | 84              | 42.00        | 1066.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 420-H... |
|         | 85              | 42.50        | 1079.50 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 425-H... |
|         | 86              | 43.00        | 1092.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 430-H... |
|         | 89              | 44.50        | 1130.30 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 445-H... |
|         | 90              | 45.00        | 1143.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 450-H... |
|         | 91              | 45.50        | 1155.70 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 455-H... |
|         | 92              | 46.00        | 1168.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 460-H... |
|         | 93              | 46.50        | 1181.10 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 465-H... |
|         | 96              | 48.00        | 1219.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 480-H... |
|         | 97              | 48.50        | 1231.90 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 485-H... |
|         | 98              | 49.00        | 1244.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 490-H... |
|         | 100             | 50.00        | 1270.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 500-H... |
|         | 102             | 51.00        | 1295.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 510-H... |
|         | 103             | 51.50        | 1308.10 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 515-H... |
|         | 104             | 52.00        | 1320.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 520-H... |
|         | 105             | 52.50        | 1333.50 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 525-H... |
|         | 106             | 53.00        | 1346.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 530-H... |
|         | 107             | 53.50        | 1358.90 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 535-H... |
|         | 108             | 54.00        | 1371.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 540-H... |
|         | 110             | 55.00        | 1397.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 550-H... |
|         | 111             | 55.50        | 1409.70 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 555-H... |
|         | 112             | 56.00        | 1422.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 560-H... |
|         | 113             | 56.50        | 1435.10 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 565-H... |
|         | 114             | 57.00        | 1447.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 570-H... |
|         | 116             | 58.00        | 1473.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 580-H... |
|         | 117             | 58.50        | 1485.90 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 585-H... |
|         | 118             | 59.00        | 1498.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 590-H... |
|         | 120             | 60.00        | 1524.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 600-H... |
|         | 121             | 60.50        | 1536.70 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 605-H... |
|         | 122             | 61.00        | 1549.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 610-H... |
|         | 125             | 62.50        | 1587.50 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 625-H... |
|         | 126             | 63.00        | 1600.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 630-H... |
|         | 128             | 64.00        | 1625.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 640-H... |
|         | 130             | 65.00        | 1651.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 650-H... |
|         | 132             | 66.00        | 1676.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 660-H... |
|         | 134             | 67.00        | 1701.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 670-H... |
|         | 136             | 68.00        | 1727.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 680-H... |
|         | 138             | 69.00        | 1752.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 690-H... |
|         | 139             | 69.50        | 1765.30 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 695-H... |
|         | 140             | 70.00        | 1778.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 700-H... |
|         | 142             | 71.00        | 1803.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 710-H... |
|         | 144             | 72.00        | 1828.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 720-H... |
|         | 145             | 72.50        | 1841.50 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 725-H... |
|         | 146             | 73.00        | 1854.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 730-H... |
|         | 148             | 74.00        | 1879.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 740-H... |
|         | 150             | 75.00        | 1905.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 750-H... |
|         | 154             | 77.00        | 1955.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 770-H... |
|         | 155             | 77.50        | 1968.50 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 775-H... |
|         | 157             | 78.50        | 1993.90 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 785-H... |
|         | 160             | 80.00        | 2032.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 800-H... |
|         | 162             | 81.00        | 2057.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 810-H... |
|         | 164             | 82.00        | 2082.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 820-H... |
|         | 166             | 83.00        | 2108.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 830-H... |
|         | 168             | 84.00        | 2133.60 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 840-H... |
|         | 170             | 85.00        | 2159.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 850-H... |
|         | 172             | 86.00        | 2184.40 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 860-H... |
|         | 176             | 88.00        | 2235.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 880-H... |
|         | 179             | 89.50        | 2273.30 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 895-H... |
|         | 180             | 90.00        | 2286.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 900-H... |
|         | 184             | 92.00        | 2336.80 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 920-H... |
|         | 186             | 93.00        | 2362.20 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 930-H... |
|         | 190             | 95.00        | 2413.00 | 4.30           | 2.29           | 6.12 | 1.02 | 12.700 | 1.02 | 40 | PHG 950-H... |

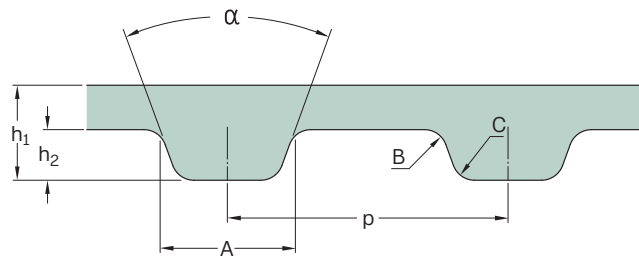
Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Classical timing belts

H | XH



| Section | Number of<br>teeth | Dimensions   |          |                |                |       |      |        |      |    | Designation    |
|---------|--------------------|--------------|----------|----------------|----------------|-------|------|--------|------|----|----------------|
|         |                    | Pitch length |          |                |                |       |      |        |      |    |                |
|         |                    |              |          | h <sub>1</sub> | h <sub>2</sub> | A     | B    | p      | C    | α  |                |
| —       | —                  | in.          | mm       |                |                |       |      |        |      | °  | —              |
| H       | 192                | 96.00        | 2 438.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 960-H-...  |
|         | 196                | 98.00        | 2 489.20 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 980-H-...  |
|         | 197                | 98.50        | 2 501.90 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 985-H-...  |
|         | 200                | 100.00       | 2 540.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1000-H-... |
|         | 204                | 102.00       | 2 590.80 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1020-H-... |
|         | 206                | 103.00       | 2 616.20 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1030-H-... |
|         | 210                | 105.00       | 2 667.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1050-H-... |
|         | 217                | 108.50       | 2 755.90 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1085-H-... |
|         | 220                | 110.00       | 2 794.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1100-H-... |
|         | 224                | 112.00       | 2 844.80 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1120-H-... |
|         | 228                | 114.00       | 2 895.60 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1140-H-... |
|         | 230                | 115.00       | 2 921.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1150-H-... |
|         | 234                | 117.00       | 2 971.80 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1170-H-... |
|         | 235                | 117.50       | 2 984.50 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1175-H-... |
|         | 240                | 120.00       | 3 048.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1200-H-... |
|         | 250                | 125.00       | 3 175.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1250-H-... |
|         | 252                | 126.00       | 3 200.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1260-H-... |
|         | 254                | 127.00       | 3 225.80 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1270-H-... |
|         | 265                | 132.50       | 3 365.50 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1325-H-... |
|         | 270                | 135.00       | 3 429.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1350-H-... |
|         | 272                | 136.00       | 3 454.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1360-H-... |
|         | 276                | 138.00       | 3 505.20 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1380-H-... |
|         | 280                | 140.00       | 3 556.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1400-H-... |
|         | 288                | 144.00       | 3 657.60 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1440-H-... |
|         | 290                | 145.00       | 3 683.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1450-H-... |
|         | 292                | 146.00       | 3 708.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1460-H-... |
|         | 302                | 151.00       | 3 835.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1510-H-... |
|         | 307                | 153.50       | 3 898.90 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1535-H-... |
|         | 310                | 155.00       | 3 937.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1550-H-... |
|         | 312                | 156.00       | 3 962.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1560-H-... |
|         | 320                | 160.00       | 4 064.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1600-H-... |
|         | 326                | 163.00       | 4 140.20 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1630-H-... |
|         | 332                | 166.00       | 4 216.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1660-H-... |
|         | 336                | 168.00       | 4 267.20 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1680-H-... |
|         | 340                | 170.00       | 4 318.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1700-H-... |
|         | 350                | 175.00       | 4 445.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1750-H-... |
|         | 353                | 176.50       | 4 483.10 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1765-H-... |
|         | 371                | 185.50       | 4 711.70 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 1855-H-... |
|         | 402                | 201.00       | 5 105.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2010-H-... |
|         | 410                | 205.00       | 5 207.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2050-H-... |
|         | 440                | 220.00       | 5 588.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2200-H-... |
|         | 442                | 221.00       | 5 613.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2210-H-... |
|         | 472                | 236.00       | 5 994.40 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2360-H-... |
|         | 500                | 250.00       | 6 350.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2500-H-... |
|         | 520                | 260.00       | 6 604.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2600-H-... |
|         | 536                | 268.00       | 6 807.20 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2680-H-... |
|         | 540                | 270.00       | 6 858.00 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2700-H-... |
|         | 544                | 272.00       | 6 908.80 | 4.30           | 2.29           | 6.12  | 1.02 | 12.700 | 1.02 | 40 | PHG 2720-H-... |
| XH      | 53                 | 46.38        | 1 117.93 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 463-XH-... |
|         | 58                 | 50.75        | 1 289.05 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 507-XH-... |
|         | 58                 | 50.80        | 1 290.32 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 508-XH-... |
|         | 64                 | 56.00        | 1 422.40 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 560-XH-... |
|         | 65                 | 56.88        | 1 444.63 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 570-XH-... |

Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

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# Classical timing belts

XH | XXH

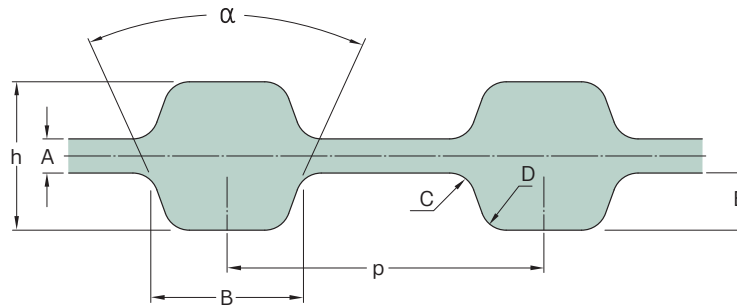
| Section | Number of teeth | Dimensions   |         | h <sub>1</sub> | h <sub>2</sub> | A     | B    | p      | C    | α  | Designation      |
|---------|-----------------|--------------|---------|----------------|----------------|-------|------|--------|------|----|------------------|
|         |                 | Pitch length |         |                |                |       |      |        |      |    |                  |
| –       | –               | in.          | mm      |                |                |       |      |        |      | °  | –                |
| XH      | 66              | 57.55        | 1466.85 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 580-XH-...   |
|         | 69              | 60.38        | 1533.53 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 604-XH-...   |
|         | 72              | 63.00        | 1600.20 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 630-XH-...   |
|         | 80              | 70.00        | 1778.00 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 700-XH-...   |
|         | 81              | 71.00        | 1803.40 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 710-XH-...   |
|         | 84              | 73.50        | 1866.90 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 735-XH-...   |
|         | 86              | 75.25        | 1911.35 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 752-XH-...   |
|         | 88              | 77.00        | 1955.80 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 770-XH-...   |
|         | 91              | 79.63        | 2022.48 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 800-XH-...   |
|         | 92              | 80.50        | 2044.70 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 805-XH-...   |
|         | 96              | 84.00        | 2133.60 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 840-XH-...   |
|         | 103             | 90.13        | 2289.18 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 901-XH-...   |
|         | 105             | 91.88        | 2333.63 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 919-XH-...   |
|         | 106             | 92.75        | 2355.85 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 927-XH-...   |
|         | 112             | 98.00        | 2489.20 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 980-XH-...   |
|         | 114             | 99.75        | 2533.65 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1000-XH-...  |
|         | 128             | 112.00       | 2844.80 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1120-XH-...  |
|         | 144             | 126.00       | 3200.40 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1260-XH-...  |
|         | 160             | 140.00       | 3556.00 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1400-XH-...  |
|         | 176             | 154.00       | 3911.60 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1540-XH-...  |
|         | 180             | 157.50       | 4000.50 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1575-XH-...  |
|         | 200             | 175.00       | 4445.00 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1750-XH-...  |
|         | 214             | 187.25       | 4756.15 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 1873-XH-...  |
|         | 260             | 227.50       | 5778.50 | 11.20          | 6.35           | 12.57 | 1.57 | 22.225 | 1.19 | 40 | PHG 2275-XH-...  |
| XXH     | 50              | 62.50        | 1587.50 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 625-XXH-...  |
|         | 52              | 65.00        | 1651.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 650-XXH-...  |
|         | 56              | 70.00        | 1778.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 700-XXH-...  |
|         | 64              | 80.00        | 2032.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 800-XXH-...  |
|         | 72              | 90.00        | 2286.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 900-XXH-...  |
|         | 76              | 95.00        | 2413.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 950-XXH-...  |
|         | 80              | 100.00       | 2540.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1000-XXH-... |
|         | 84              | 105.00       | 2667.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1050-XXH-... |
|         | 96              | 120.00       | 3048.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1200-XXH-... |
|         | 100             | 125.00       | 3175.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1250-XXH-... |
|         | 112             | 140.00       | 3556.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1400-XXH-... |
|         | 125             | 156.25       | 3968.75 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1563-XXH-... |
|         | 128             | 160.00       | 4064.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1600-XXH-... |
|         | 136             | 170.00       | 4318.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1700-XXH-... |
|         | 144             | 180.00       | 4572.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1800-XXH-... |
|         | 154             | 192.50       | 4889.50 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 1925-XXH-... |
|         | 160             | 200.00       | 5080.00 | 15.70          | 9.53           | 19.05 | 2.29 | 31.750 | 1.52 | 40 | PHG 2000-XXH-... |

Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Double-sided classical timing belts D-XL



| Section | Number of<br>teeth<br>per side | Dimensions   |        | h    | A    | B    | C    | D     | p     | E    | α                | Designation      |
|---------|--------------------------------|--------------|--------|------|------|------|------|-------|-------|------|------------------|------------------|
|         |                                | Pitch length |        |      |      |      |      |       |       |      |                  |                  |
| —       | —                              | in.          | mm     |      |      |      |      |       |       |      | °                | —                |
| D-XL    | 99                             | 19.80        | 502.92 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-198-XL-... |
|         | 100                            | 20.00        | 508.00 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-200-XL-... |
|         | 101                            | 20.20        | 513.08 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-202-XL-... |
|         | 103                            | 20.60        | 523.24 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-206-XL-... |
|         | 104                            | 20.80        | 528.32 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-208-XL-... |
|         | 105                            | 21.00        | 533.40 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-210-XL-... |
|         | 106                            | 21.20        | 538.48 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-212-XL-... |
|         | 107                            | 21.40        | 543.56 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-214-XL-... |
|         | 109                            | 21.80        | 553.72 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-218-XL-... |
|         | 110                            | 22.00        | 558.80 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-220-XL-... |
|         | 113                            | 22.60        | 574.04 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-226-XL-... |
|         | 114                            | 22.80        | 579.12 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-228-XL-... |
|         | 115                            | 23.00        | 584.20 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-230-XL-... |
|         | 117                            | 23.40        | 594.36 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-234-XL-... |
|         | 118                            | 23.60        | 599.44 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-236-XL-... |
|         | 120                            | 24.00        | 609.60 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-240-XL-... |
|         | 124                            | 24.80        | 629.92 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-248-XL-... |
|         | 125                            | 25.00        | 635.00 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-250-XL-... |
|         | 128                            | 25.60        | 650.24 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-256-XL-... |
|         | 130                            | 26.00        | 660.40 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-260-XL-... |
|         | 132                            | 26.40        | 670.56 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-264-XL-... |
|         | 135                            | 27.00        | 685.80 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-270-XL-... |
|         | 137                            | 27.40        | 695.96 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-274-XL-... |
|         | 138                            | 27.60        | 701.04 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-276-XL-... |
|         | 140                            | 28.00        | 711.20 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-280-XL-... |
|         | 141                            | 28.20        | 716.28 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-282-XL-... |
|         | 143                            | 28.60        | 726.44 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-286-XL-... |
|         | 145                            | 29.00        | 736.60 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-290-XL-... |
|         | 150                            | 30.00        | 762.00 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-300-XL-... |
|         | 152                            | 30.40        | 772.16 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-304-XL-... |
|         | 153                            | 30.60        | 777.24 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-306-XL-... |
|         | 155                            | 31.00        | 787.40 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-310-XL-... |
|         | 158                            | 31.60        | 802.64 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-316-XL-... |
|         | 160                            | 32.00        | 812.80 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-320-XL-... |
|         | 161                            | 32.20        | 817.88 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-322-XL-... |
|         | 163                            | 32.60        | 828.04 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-326-XL-... |
|         | 165                            | 33.00        | 838.20 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-330-XL-... |
|         | 170                            | 34.00        | 863.60 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-340-XL-... |
|         | 172                            | 34.40        | 873.76 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-344-XL-... |
|         | 174                            | 34.80        | 883.92 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-348-XL-... |
|         | 176                            | 35.20        | 894.08 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-352-XL-... |
|         | 178                            | 35.60        | 904.24 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-356-XL-... |
|         | 180                            | 36.00        | 914.40 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-360-XL-... |
|         | 181                            | 36.00        | 914.40 | 3.05 | 0.51 | 2.57 | 0.38 | 0.38  | 5.080 | 1.27 | 50               | PHG D-362-XL-... |
| 182     | 36.40                          | 924.56       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-364-XL-... |                  |
| 185     | 37.00                          | 939.80       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-370-XL-... |                  |
| 186     | 37.20                          | 944.88       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-372-XL-... |                  |
| 188     | 37.60                          | 955.04       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-376-XL-... |                  |
| 190     | 38.00                          | 965.20       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-380-XL-... |                  |
| 192     | 38.40                          | 975.36       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-384-XL-... |                  |
| 195     | 39.00                          | 990.60       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-390-XL-... |                  |
| 196     | 39.20                          | 995.68       | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-392-XL-... |                  |
| 200     | 40.00                          | 1016.00      | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-400-XL-... |                  |
| 206     | 41.20                          | 1046.48      | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-412-XL-... |                  |
| 207     | 41.40                          | 1051.56      | 3.05   | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27  | 50   | PHG D-414-XL-... |                  |

Non-standard lengths may also be available.

To complete designation add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor..

## Double-sided classical timing belts

### D-XL | D-L

| Section | Number of teeth per side | Dimensions   |              | h    | A    | B    | C    | D    | p     | E    | α  | Designation     |
|---------|--------------------------|--------------|--------------|------|------|------|------|------|-------|------|----|-----------------|
|         |                          | Pitch length | Pitch length |      |      |      |      |      |       |      |    |                 |
| –       | –                        | in.          | mm           |      |      |      |      |      |       |      | °  | –               |
| D-XL    | 212                      | 42.40        | 1076.96      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-424-XL... |
|         | 215                      | 43.00        | 1092.20      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-430-XL... |
|         | 216                      | 43.20        | 1097.28      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-432-XL... |
|         | 217                      | 43.40        | 1102.36      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-434-XL... |
|         | 225                      | 45.00        | 1143.00      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-450-XL... |
|         | 230                      | 46.00        | 1168.40      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-460-XL... |
|         | 240                      | 48.00        | 1219.20      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-480-XL... |
|         | 245                      | 49.00        | 1244.60      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-490-XL... |
|         | 246                      | 49.20        | 1249.68      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-492-XL... |
|         | 257                      | 51.40        | 1305.56      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-514-XL... |
|         | 280                      | 56.00        | 1422.40      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-560-XL... |
|         | 282                      | 56.40        | 1432.56      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-564-XL... |
|         | 283                      | 56.60        | 1437.64      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-566-XL... |
|         | 287                      | 57.40        | 1457.96      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-574-XL... |
|         | 290                      | 58.00        | 1473.20      | 3.05 | 0.51 | 2.57 | 0.38 | 0.38 | 5.080 | 1.27 | 50 | PHG D-580-XL... |
| D-L     | 54                       | 20.25        | 514.35       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-203-L...  |
|         | 56                       | 21.00        | 533.40       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-210-L...  |
|         | 57                       | 21.38        | 542.93       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-214-L...  |
|         | 58                       | 21.75        | 552.45       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-217-L...  |
|         | 60                       | 22.50        | 571.50       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-225-L...  |
|         | 62                       | 23.25        | 590.55       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-232-L...  |
|         | 63                       | 23.60        | 599.44       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-236-L...  |
|         | 64                       | 24.00        | 609.60       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-240-L...  |
|         | 65                       | 24.38        | 619.13       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-244-L...  |
|         | 68                       | 25.50        | 647.70       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-255-L...  |
|         | 69                       | 25.75        | 654.05       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-258-L...  |
|         | 70                       | 26.25        | 666.75       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-263-L...  |
|         | 71                       | 26.63        | 676.28       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-265-L...  |
|         | 72                       | 27.00        | 685.80       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-270-L...  |
|         | 73                       | 27.38        | 695.33       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-275-L...  |
|         | 74                       | 27.75        | 704.85       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-277-L...  |
|         | 75                       | 28.13        | 714.38       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-280-L...  |
|         | 76                       | 28.50        | 723.90       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-285-L...  |
|         | 80                       | 30.00        | 762.00       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-300-L...  |
|         | 81                       | 30.38        | 771.53       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-304-L...  |
|         | 84                       | 31.50        | 800.10       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-315-L...  |
|         | 85                       | 31.88        | 809.63       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-320-L...  |
|         | 86                       | 32.25        | 819.15       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-322-L...  |
|         | 87                       | 32.63        | 828.68       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-328-L...  |
|         | 88                       | 33.00        | 838.20       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-330-L...  |
|         | 89                       | 33.38        | 847.73       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-334-L...  |
|         | 90                       | 33.75        | 857.25       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-337-L...  |
|         | 91                       | 34.13        | 866.78       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-341-L...  |
|         | 92                       | 34.50        | 876.30       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-345-L...  |
|         | 94                       | 35.25        | 895.35       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-352-L...  |
|         | 96                       | 36.00        | 914.40       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-360-L...  |
|         | 98                       | 36.75        | 933.45       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-367-L...  |
|         | 99                       | 37.13        | 942.98       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-371-L...  |
|         | 100                      | 37.50        | 952.50       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-375-L...  |
|         | 102                      | 38.25        | 971.55       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-382-L...  |
|         | 103                      | 38.63        | 981.08       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-387-L...  |
|         | 104                      | 39.00        | 990.60       | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-390-L...  |
|         | 105                      | 39.38        | 1000.13      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-394-L...  |
|         | 106                      | 39.75        | 1009.65      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-397-L...  |
|         | 108                      | 40.50        | 1028.70      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-405-L...  |
|         | 109                      | 40.88        | 1038.23      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-408-L...  |
|         | 110                      | 41.25        | 1047.75      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-412-L...  |
|         | 112                      | 42.00        | 1066.80      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-420-L...  |
|         | 114                      | 42.75        | 1085.85      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-427-L...  |
|         | 116                      | 43.50        | 1104.90      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-435-L...  |
|         | 117                      | 43.88        | 1114.43      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-439-L...  |
|         | 118                      | 44.25        | 1123.95      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-442-L...  |
|         | 120                      | 45.00        | 1143.00      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-450-L...  |
|         | 121                      | 45.38        | 1152.53      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-453-L...  |
|         | 123                      | 46.13        | 1171.70      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-461-L...  |
|         | 124                      | 46.50        | 1181.10      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-465-L...  |
|         | 128                      | 48.00        | 1219.20      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-480-L...  |
|         | 132                      | 49.50        | 1257.30      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-495-L...  |
|         | 133                      | 50.00        | 1270.00      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-500-L...  |
|         | 136                      | 51.00        | 1295.40      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-510-L...  |
|         | 138                      | 51.80        | 1315.72      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-518-L...  |
|         | 140                      | 52.50        | 1333.50      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-525-L...  |
|         | 144                      | 54.00        | 1371.60      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-540-L...  |
|         | 146                      | 54.75        | 1390.65      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-548-L...  |
|         | 148                      | 55.50        | 1409.70      | 4.57 | 0.76 | 4.65 | 0.51 | 0.51 | 9.525 | 1.91 | 40 | PHG D-555-L...  |

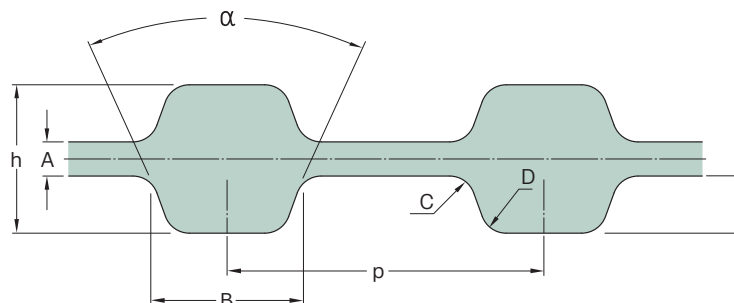
Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# Double-sided classical timing belts

D-L | D-H



| Section | Number of<br>teeth<br>perside | Dimensions   |         | h      | A    | B    | C    | D    | p      | E      | α    | Designation     |
|---------|-------------------------------|--------------|---------|--------|------|------|------|------|--------|--------|------|-----------------|
|         |                               | Pitch length |         |        |      |      |      |      |        |        |      |                 |
| —       | —                             | in.          | mm      |        |      |      |      |      |        |        | °    | —               |
| D-L     | 152                           | 57.00        | 1447.80 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-570-L-... |
|         | 153                           | 57.38        | 1457.33 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-574-L-... |
|         | 155                           | 58.13        | 1476.38 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-581-L-... |
|         | 156                           | 58.50        | 1485.90 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-585-L-... |
|         | 160                           | 60.00        | 1524.00 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-600-L-... |
|         | 165                           | 61.90        | 1572.26 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-619-L-... |
|         | 168                           | 63.00        | 1600.20 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-630-L-... |
|         | 169                           | 63.40        | 1610.36 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-634-L-... |
|         | 176                           | 66.00        | 1676.40 | 4.57   | 0.76 | 4.65 | 0.51 | 0.51 | 9.525  | 1.91   | 40   | PHG D-660-L-... |
|         | D-H                           | 40           | 20.00   | 508.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02   | 12.700 | 2.29 | 40              |
| 41      |                               | 20.50        | 520.70  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-205-H-... |
| 42      |                               | 21.00        | 533.40  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-210-H-... |
| 44      |                               | 22.00        | 558.80  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-220-H-... |
| 45      |                               | 22.50        | 571.50  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-225-H-... |
| 46      |                               | 23.00        | 584.20  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-230-H-... |
| 48      |                               | 24.00        | 609.60  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-240-H-... |
| 49      |                               | 24.50        | 622.30  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-245-H-... |
| 49      |                               | 24.50        | 622.30  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-245-H-... |
| 50      |                               | 25.00        | 635.00  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-250-H-... |
| 51      |                               | 25.50        | 647.70  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-255-H-... |
| 52      |                               | 26.00        | 660.40  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-260-H-... |
| 54      |                               | 27.00        | 685.80  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-270-H-... |
| 56      |                               | 28.00        | 711.20  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-280-H-... |
| 57      |                               | 28.50        | 723.90  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-285-H-... |
| 58      |                               | 29.00        | 736.60  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-290-H-... |
| 60      |                               | 30.00        | 762.00  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-300-H-... |
| 62      |                               | 31.00        | 787.40  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-310-H-... |
| 63      |                               | 31.50        | 800.10  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-315-H-... |
| 64      |                               | 32.00        | 812.80  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-320-H-... |
| 65      |                               | 32.50        | 825.50  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-325-H-... |
| 66      |                               | 33.00        | 838.20  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-330-H-... |
| 67      |                               | 33.50        | 850.90  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-335-H-... |
| 68      |                               | 34.00        | 863.60  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-340-H-... |
| 69      |                               | 34.50        | 876.30  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-345-H-... |
| 70      |                               | 35.00        | 889.00  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-350-H-... |
| 71      |                               | 35.50        | 901.70  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-355-H-... |
| 72      |                               | 36.00        | 914.40  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-360-H-... |
| 73      |                               | 36.50        | 927.10  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-365-H-... |
| 74      |                               | 37.00        | 939.80  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-370-H-... |
| 75      |                               | 37.50        | 952.50  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-375-H-... |
| 76      |                               | 38.00        | 965.20  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-380-H-... |
| 78      |                               | 39.00        | 990.60  | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-390-H-... |
| 79      |                               | 39.50        | 1003.30 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-395-H-... |
| 80      |                               | 40.00        | 1016.00 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-400-H-... |
| 81      |                               | 40.50        | 1028.70 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-405-H-... |
| 82      |                               | 41.00        | 1041.40 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-410-H-... |
| 84      |                               | 42.00        | 1066.80 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-420-H-... |
| 85      |                               | 42.50        | 1079.50 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-425-H-... |
| 86      |                               | 43.00        | 1092.20 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-430-H-... |
| 89      |                               | 44.50        | 1130.30 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-445-H-... |
| 90      |                               | 45.00        | 1143.00 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-450-H-... |
| 92      |                               | 46.00        | 1168.40 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-460-H-... |
| 93      |                               | 46.50        | 1181.10 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-465-H-... |
| 94      |                               | 47.00        | 1193.80 | 5.95   | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29   | 40   | PHG D-470-H-... |

Non-standard lengths may also be available.

To complete designation add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor..

| Section | Number of teeth per side | Dimensions   |         | h    | A    | B    | C    | D    | p      | E    | α  | Designation      |
|---------|--------------------------|--------------|---------|------|------|------|------|------|--------|------|----|------------------|
|         |                          | Pitch length |         |      |      |      |      |      |        |      |    |                  |
| –       | –                        | in.          | mm      |      |      |      |      |      |        |      | °  | –                |
| D-H     | 96                       | 48.00        | 1219.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-480-H-...  |
|         | 97                       | 48.50        | 1231.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-485-H-...  |
|         | 98                       | 49.00        | 1244.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-490-H-...  |
|         | 100                      | 50.00        | 1270.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-500-H-...  |
|         | 102                      | 51.00        | 1295.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-510-H-...  |
|         | 103                      | 51.50        | 1308.10 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-515-H-...  |
|         | 104                      | 52.00        | 1320.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-520-H-...  |
|         | 105                      | 52.50        | 1333.50 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-525-H-...  |
|         | 106                      | 53.00        | 1346.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-530-H-...  |
|         | 107                      | 53.50        | 1358.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-535-H-...  |
|         | 108                      | 54.00        | 1371.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-540-H-...  |
|         | 110                      | 55.00        | 1397.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-550-H-...  |
|         | 111                      | 55.00        | 1397.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-555-H-...  |
|         | 112                      | 56.00        | 1422.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-560-H-...  |
|         | 113                      | 56.50        | 1435.10 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-565-H-...  |
|         | 114                      | 57.00        | 1447.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-570-H-...  |
|         | 116                      | 58.00        | 1473.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-580-H-...  |
|         | 117                      | 58.50        | 1485.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-585-H-...  |
|         | 118                      | 59.00        | 1498.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-590-H-...  |
|         | 120                      | 60.00        | 1524.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-600-H-...  |
|         | 121                      | 60.50        | 1536.70 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-605-H-...  |
|         | 122                      | 61.00        | 1549.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-610-H-...  |
|         | 125                      | 62.50        | 1587.50 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-625-H-...  |
|         | 126                      | 63.00        | 1600.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-630-H-...  |
|         | 128                      | 64.00        | 1625.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-640-H-...  |
|         | 130                      | 65.00        | 1651.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-650-H-...  |
|         | 132                      | 66.00        | 1676.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-660-H-...  |
|         | 134                      | 67.00        | 1701.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-670-H-...  |
|         | 136                      | 68.00        | 1727.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-680-H-...  |
|         | 138                      | 69.00        | 1752.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-690-H-...  |
|         | 139                      | 69.50        | 1765.30 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-695-H-...  |
|         | 140                      | 70.00        | 1778.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-700-H-...  |
|         | 142                      | 71.00        | 1803.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-710-H-...  |
|         | 144                      | 72.00        | 1828.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-720-H-...  |
|         | 145                      | 72.50        | 1841.50 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-725-H-...  |
|         | 146                      | 73.00        | 1854.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-730-H-...  |
|         | 148                      | 74.00        | 1879.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-740-H-...  |
|         | 150                      | 75.00        | 1905.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-750-H-...  |
|         | 154                      | 77.00        | 1955.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-770-H-...  |
|         | 155                      | 77.50        | 1968.50 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-775-H-...  |
|         | 157                      | 78.50        | 1993.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-785-H-...  |
|         | 160                      | 80.00        | 2032.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-800-H-...  |
|         | 162                      | 81.00        | 2057.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-810-H-...  |
|         | 164                      | 82.00        | 2082.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-820-H-...  |
|         | 166                      | 83.00        | 2108.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-830-H-...  |
|         | 168                      | 84.00        | 2133.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-840-H-...  |
|         | 170                      | 85.00        | 2159.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-850-H-...  |
|         | 172                      | 86.00        | 2184.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-860-H-...  |
|         | 176                      | 88.00        | 2235.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-880-H-...  |
|         | 179                      | 89.50        | 2273.30 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-895-H-...  |
|         | 180                      | 90.00        | 2286.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-900-H-...  |
|         | 184                      | 92.00        | 2336.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-920-H-...  |
|         | 186                      | 93.00        | 2362.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-930-H-...  |
|         | 190                      | 95.00        | 2413.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-950-H-...  |
|         | 192                      | 96.00        | 2438.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-960-H-...  |
|         | 196                      | 98.00        | 2489.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-980-H-...  |
|         | 197                      | 98.50        | 2501.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-985-H-...  |
|         | 200                      | 100.00       | 2540.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1000-H-... |
|         | 204                      | 102.00       | 2590.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1020-H-... |
|         | 206                      | 103.00       | 2616.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1030-H-... |
|         | 210                      | 105.00       | 2667.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1050-H-... |
|         | 217                      | 108.50       | 2755.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1085-H-... |
|         | 220                      | 110.00       | 2794.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1100-H-... |
|         | 224                      | 112.00       | 2844.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1120-H-... |
|         | 226                      | 113.00       | 2870.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1130-H-... |
|         | 228                      | 114.00       | 2895.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1140-H-... |
|         | 230                      | 115.00       | 2921.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1150-H-... |
|         | 234                      | 117.00       | 2971.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1170-H-... |
|         | 235                      | 117.50       | 2984.50 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1175-H-... |
|         | 240                      | 120.00       | 3048.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1200-H-... |
|         | 250                      | 125.00       | 3175.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1250-H-... |
|         | 252                      | 126.00       | 3200.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1260-H-... |
|         | 254                      | 127.00       | 3225.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1270-H-... |
|         | 265                      | 132.50       | 3365.50 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1325-H-... |
|         | 270                      | 135.00       | 3429.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1350-H-... |

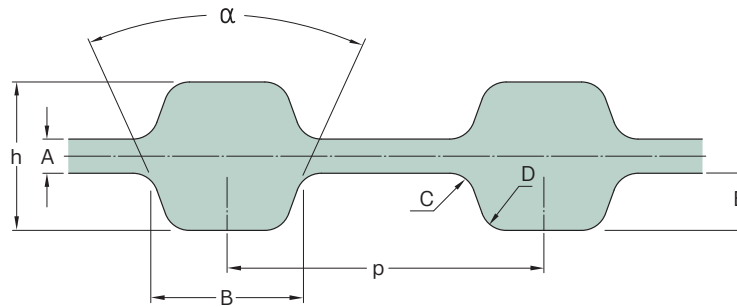
Non-standard lengths may also be available.

To complete designation, add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

## Double-sided classical timing belts

D-L | D-H

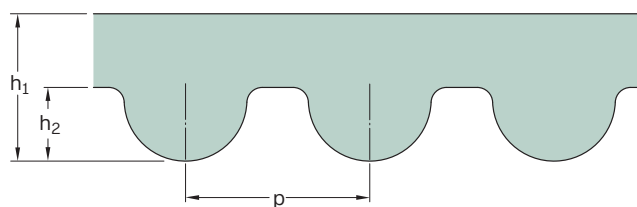


| Section | Number of<br>teeth<br>per side | Dimensions   |          | h    | A    | B    | C    | D    | p      | E    | α  | Designation      |
|---------|--------------------------------|--------------|----------|------|------|------|------|------|--------|------|----|------------------|
|         |                                | Pitch length |          |      |      |      |      |      |        |      |    |                  |
| —       | —                              | in.          | mm       |      |      |      |      |      |        |      | °  | —                |
| D-H     | 272                            | 136.00       | 3 454.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1360-H-... |
|         | 276                            | 138.00       | 3 505.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1380-H-... |
|         | 280                            | 140.00       | 3 556.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1400-H-... |
|         | 288                            | 144.00       | 3 657.60 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1440-H-... |
|         | 290                            | 145.00       | 3 683.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1450-H-... |
|         | 292                            | 146.00       | 3 708.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1460-H-... |
|         | 302                            | 151.00       | 3 835.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1510-H-... |
|         | 307                            | 153.50       | 3 898.90 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1535-H-... |
|         | 310                            | 155.00       | 3 937.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1550-H-... |
|         | 312                            | 156.00       | 3 962.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1560-H-... |
|         | 320                            | 160.00       | 4 064.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1600-H-... |
|         | 326                            | 163.00       | 4 140.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1630-H-... |
|         | 332                            | 166.00       | 4 216.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1660-H-... |
|         | 336                            | 168.00       | 4 267.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1680-H-... |
|         | 340                            | 170.00       | 4 318.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1700-H-... |
|         | 350                            | 175.00       | 4 445.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1750-H-... |
|         | 353                            | 176.50       | 4 483.10 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1765-H-... |
|         | 371                            | 185.50       | 4 711.70 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-1855-H-... |
|         | 440                            | 220.00       | 5 588.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2200-H-... |
|         | 442                            | 221.00       | 5 613.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2210-H-... |
|         | 472                            | 236.00       | 5 994.40 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2360-H-... |
|         | 500                            | 250.00       | 6 350.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2500-H-... |
|         | 520                            | 260.00       | 6 604.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2600-H-... |
|         | 536                            | 268.00       | 6 807.20 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2680-H-... |
|         | 540                            | 270.00       | 6 858.00 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2700-H-... |
|         | 544                            | 272.00       | 6 908.80 | 5.95 | 1.37 | 6.12 | 1.02 | 1.02 | 12.700 | 2.29 | 40 | PHG D-2720-H-... |

Non-standard lengths may also be available.

To complete designation add three digits for belt width in 1/100ths of an inch; e.g. for a 1/4" width add 025 or for a 3/8" width add 037.

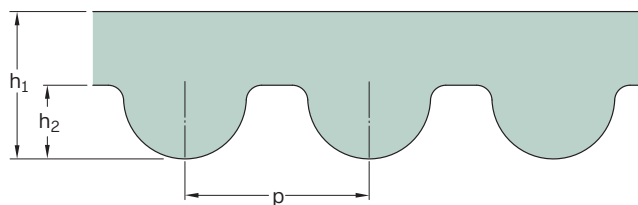
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor..



| Section | Number of teeth | Dimensions   |       |       |     | Designation    | Section | Number of teeth | Dimensions   |       |       |     | Designation    |
|---------|-----------------|--------------|-------|-------|-----|----------------|---------|-----------------|--------------|-------|-------|-----|----------------|
|         |                 | Pitch length | $h_2$ | $h_1$ | $p$ |                |         |                 | Pitch length | $h_2$ | $h_1$ | $p$ |                |
| —       | —               | mm           |       |       |     | —              | —       | mm              |              |       |       | —   |                |
| 3M      | 20              | 60           | 2.4   | 1.20  | 3.0 | PHG 60-3M-...  | 3M      | 97              | 291          | 2.4   | 1.20  | 3.0 | PHG 291-3M-... |
|         | 27              | 81           | 2.4   | 1.20  | 3.0 | PHG 81-3M-...  |         | 98              | 294          | 2.4   | 1.20  | 3.0 | PHG 294-3M-... |
|         | 29              | 87           | 2.4   | 1.20  | 3.0 | PHG 87-3M-...  |         | 99              | 297          | 2.4   | 1.20  | 3.0 | PHG 297-3M-... |
|         | 30              | 90           | 2.4   | 1.20  | 3.0 | PHG 90-3M-...  |         | 100             | 300          | 2.4   | 1.20  | 3.0 | PHG 300-3M-... |
|         | 33              | 99           | 2.4   | 1.20  | 3.0 | PHG 99-3M-...  |         | 102             | 306          | 2.4   | 1.20  | 3.0 | PHG 306-3M-... |
|         | 34              | 102          | 2.4   | 1.20  | 3.0 | PHG 102-3M-... |         | 103             | 309          | 2.4   | 1.20  | 3.0 | PHG 309-3M-... |
|         | 37              | 111          | 2.4   | 1.20  | 3.0 | PHG 111-3M-... |         | 104             | 312          | 2.4   | 1.20  | 3.0 | PHG 312-3M-... |
|         | 39              | 117          | 2.4   | 1.20  | 3.0 | PHG 117-3M-... |         | 106             | 318          | 2.4   | 1.20  | 3.0 | PHG 318-3M-... |
|         | 40              | 120          | 2.4   | 1.20  | 3.0 | PHG 120-3M-... |         | 108             | 324          | 2.4   | 1.20  | 3.0 | PHG 324-3M-... |
|         | 43              | 129          | 2.4   | 1.20  | 3.0 | PHG 129-3M-... |         | 109             | 327          | 2.4   | 1.20  | 3.0 | PHG 327-3M-... |
|         | 44              | 132          | 2.4   | 1.20  | 3.0 | PHG 132-3M-... |         | 110             | 330          | 2.4   | 1.20  | 3.0 | PHG 330-3M-... |
|         | 46              | 138          | 2.4   | 1.20  | 3.0 | PHG 138-3M-... |         | 111             | 333          | 2.4   | 1.20  | 3.0 | PHG 333-3M-... |
|         | 47              | 141          | 2.4   | 1.20  | 3.0 | PHG 141-3M-... |         | 112             | 336          | 2.4   | 1.20  | 3.0 | PHG 336-3M-... |
|         | 48              | 144          | 2.4   | 1.20  | 3.0 | PHG 144-3M-... |         | 113             | 339          | 2.4   | 1.20  | 3.0 | PHG 339-3M-... |
|         | 50              | 150          | 2.4   | 1.20  | 3.0 | PHG 150-3M-... |         | 114             | 342          | 2.4   | 1.20  | 3.0 | PHG 342-3M-... |
|         | 51              | 153          | 2.4   | 1.20  | 3.0 | PHG 153-3M-... |         | 115             | 345          | 2.4   | 1.20  | 3.0 | PHG 345-3M-... |
|         | 52              | 156          | 2.4   | 1.20  | 3.0 | PHG 156-3M-... |         | 116             | 348          | 2.4   | 1.20  | 3.0 | PHG 348-3M-... |
|         | 53              | 159          | 2.4   | 1.20  | 3.0 | PHG 159-3M-... |         | 119             | 357          | 2.4   | 1.20  | 3.0 | PHG 357-3M-... |
|         | 54              | 162          | 2.4   | 1.20  | 3.0 | PHG 162-3M-... |         | 120             | 360          | 2.4   | 1.20  | 3.0 | PHG 360-3M-... |
|         | 55              | 165          | 2.4   | 1.20  | 3.0 | PHG 165-3M-... |         | 121             | 363          | 2.4   | 1.20  | 3.0 | PHG 363-3M-... |
|         | 56              | 168          | 2.4   | 1.20  | 3.0 | PHG 168-3M-... |         | 122             | 366          | 2.4   | 1.20  | 3.0 | PHG 366-3M-... |
|         | 57              | 171          | 2.4   | 1.20  | 3.0 | PHG 171-3M-... |         | 125             | 375          | 2.4   | 1.20  | 3.0 | PHG 375-3M-... |
|         | 58              | 174          | 2.4   | 1.20  | 3.0 | PHG 174-3M-... |         | 128             | 384          | 2.4   | 1.20  | 3.0 | PHG 384-3M-... |
|         | 59              | 177          | 2.4   | 1.20  | 3.0 | PHG 177-3M-... |         | 130             | 390          | 2.4   | 1.20  | 3.0 | PHG 390-3M-... |
|         | 60              | 180          | 2.4   | 1.20  | 3.0 | PHG 180-3M-... |         | 131             | 393          | 2.4   | 1.20  | 3.0 | PHG 393-3M-... |
|         | 61              | 183          | 2.4   | 1.20  | 3.0 | PHG 183-3M-... |         | 132             | 396          | 2.4   | 1.20  | 3.0 | PHG 396-3M-... |
|         | 62              | 186          | 2.4   | 1.20  | 3.0 | PHG 186-3M-... |         | 133             | 399          | 2.4   | 1.20  | 3.0 | PHG 399-3M-... |
|         | 63              | 189          | 2.4   | 1.20  | 3.0 | PHG 189-3M-... |         | 140             | 420          | 2.4   | 1.20  | 3.0 | PHG 420-3M-... |
|         | 64              | 192          | 2.4   | 1.20  | 3.0 | PHG 192-3M-... |         | 141             | 423          | 2.4   | 1.20  | 3.0 | PHG 423-3M-... |
|         | 65              | 195          | 2.4   | 1.20  | 3.0 | PHG 195-3M-... |         | 142             | 426          | 2.4   | 1.20  | 3.0 | PHG 426-3M-... |
|         | 66              | 198          | 2.4   | 1.20  | 3.0 | PHG 198-3M-... |         | 148             | 444          | 2.4   | 1.20  | 3.0 | PHG 444-3M-... |
|         | 67              | 201          | 2.4   | 1.20  | 3.0 | PHG 201-3M-... |         | 149             | 447          | 2.4   | 1.20  | 3.0 | PHG 447-3M-... |
|         | 68              | 204          | 2.4   | 1.20  | 3.0 | PHG 204-3M-... |         | 152             | 456          | 2.4   | 1.20  | 3.0 | PHG 456-3M-... |
|         | 69              | 207          | 2.4   | 1.20  | 3.0 | PHG 207-3M-... |         | 153             | 459          | 2.4   | 1.20  | 3.0 | PHG 459-3M-... |
|         | 70              | 210          | 2.4   | 1.20  | 3.0 | PHG 210-3M-... |         | 154             | 462          | 2.4   | 1.20  | 3.0 | PHG 462-3M-... |
|         | 71              | 213          | 2.4   | 1.20  | 3.0 | PHG 213-3M-... |         | 156             | 468          | 2.4   | 1.20  | 3.0 | PHG 468-3M-... |
|         | 74              | 222          | 2.4   | 1.20  | 3.0 | PHG 222-3M-... |         | 157             | 471          | 2.4   | 1.20  | 3.0 | PHG 471-3M-... |
|         | 75              | 225          | 2.4   | 1.20  | 3.0 | PHG 225-3M-... |         | 158             | 474          | 2.4   | 1.20  | 3.0 | PHG 474-3M-... |
|         | 76              | 228          | 2.4   | 1.20  | 3.0 | PHG 228-3M-... |         | 159             | 477          | 2.4   | 1.20  | 3.0 | PHG 477-3M-... |
|         | 78              | 234          | 2.4   | 1.20  | 3.0 | PHG 234-3M-... |         | 160             | 480          | 2.4   | 1.20  | 3.0 | PHG 480-3M-... |
|         | 79              | 237          | 2.4   | 1.20  | 3.0 | PHG 237-3M-... |         | 161             | 483          | 2.4   | 1.20  | 3.0 | PHG 483-3M-... |
|         | 80              | 240          | 2.4   | 1.20  | 3.0 | PHG 240-3M-... |         | 162             | 486          | 2.4   | 1.20  | 3.0 | PHG 486-3M-... |
|         | 82              | 246          | 2.4   | 1.20  | 3.0 | PHG 246-3M-... |         | 163             | 489          | 2.4   | 1.20  | 3.0 | PHG 489-3M-... |
|         | 83              | 249          | 2.4   | 1.20  | 3.0 | PHG 249-3M-... |         | 164             | 492          | 2.4   | 1.20  | 3.0 | PHG 492-3M-... |
|         | 84              | 252          | 2.4   | 1.20  | 3.0 | PHG 252-3M-... |         | 165             | 495          | 2.4   | 1.20  | 3.0 | PHG 495-3M-... |
|         | 85              | 255          | 2.4   | 1.20  | 3.0 | PHG 255-3M-... |         | 167             | 501          | 2.4   | 1.20  | 3.0 | PHG 501-3M-... |
|         | 86              | 258          | 2.4   | 1.20  | 3.0 | PHG 258-3M-... |         | 169             | 507          | 2.4   | 1.20  | 3.0 | PHG 507-3M-... |
|         | 87              | 261          | 2.4   | 1.20  | 3.0 | PHG 261-3M-... |         | 170             | 510          | 2.4   | 1.20  | 3.0 | PHG 510-3M-... |
|         | 88              | 264          | 2.4   | 1.20  | 3.0 | PHG 264-3M-... |         | 171             | 513          | 2.4   | 1.20  | 3.0 | PHG 513-3M-... |
|         | 89              | 267          | 2.4   | 1.20  | 3.0 | PHG 267-3M-... |         | 173             | 519          | 2.4   | 1.20  | 3.0 | PHG 519-3M-... |
|         | 90              | 270          | 2.4   | 1.20  | 3.0 | PHG 270-3M-... |         | 174             | 522          | 2.4   | 1.20  | 3.0 | PHG 522-3M-... |
|         | 92              | 276          | 2.4   | 1.20  | 3.0 | PHG 276-3M-... |         | 177             | 531          | 2.4   | 1.20  | 3.0 | PHG 531-3M-... |
|         | 94              | 282          | 2.4   | 1.20  | 3.0 | PHG 282-3M-... |         | 179             | 537          | 2.4   | 1.20  | 3.0 | PHG 537-3M-... |
|         | 95              | 285          | 2.4   | 1.20  | 3.0 | PHG 285-3M-... |         | 180             | 540          | 2.4   | 1.20  | 3.0 | PHG 540-3M-... |
|         | 96              | 288          | 2.4   | 1.20  | 3.0 | PHG 288-3M-... |         | 186             | 558          | 2.4   | 1.20  | 3.0 | PHG 558-3M-... |

Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# HTD belts 3M | 5M



| Section | Number of teeth | Dimensions<br>Pitch length | Dimensions |       |     | Designation     |
|---------|-----------------|----------------------------|------------|-------|-----|-----------------|
|         |                 |                            | $h_2$      | $h_1$ | $p$ |                 |
| –       | –               | mm                         | –          | –     | –   | –               |
| 3M      | 188             | 564                        | 2.4        | 1.20  | 3.0 | PHG 564-3M-...  |
|         | 190             | 570                        | 2.4        | 1.20  | 3.0 | PHG 570-3M-...  |
|         | 191             | 573                        | 2.4        | 1.20  | 3.0 | PHG 573-3M-...  |
|         | 192             | 576                        | 2.4        | 1.20  | 3.0 | PHG 576-3M-...  |
|         | 193             | 579                        | 2.4        | 1.20  | 3.0 | PHG 579-3M-...  |
|         | 194             | 582                        | 2.4        | 1.20  | 3.0 | PHG 582-3M-...  |
|         | 197             | 591                        | 2.4        | 1.20  | 3.0 | PHG 591-3M-...  |
|         | 199             | 597                        | 2.4        | 1.20  | 3.0 | PHG 597-3M-...  |
|         | 200             | 600                        | 2.4        | 1.20  | 3.0 | PHG 600-3M-...  |
|         | 202             | 606                        | 2.4        | 1.20  | 3.0 | PHG 606-3M-...  |
|         | 203             | 609                        | 2.4        | 1.20  | 3.0 | PHG 609-3M-...  |
|         | 204             | 612                        | 2.4        | 1.20  | 3.0 | PHG 612-3M-...  |
|         | 210             | 630                        | 2.4        | 1.20  | 3.0 | PHG 630-3M-...  |
|         | 211             | 633                        | 2.4        | 1.20  | 3.0 | PHG 633-3M-...  |
|         | 213             | 639                        | 2.4        | 1.20  | 3.0 | PHG 639-3M-...  |
|         | 216             | 648                        | 2.4        | 1.20  | 3.0 | PHG 648-3M-...  |
|         | 218             | 654                        | 2.4        | 1.20  | 3.0 | PHG 654-3M-...  |
|         | 219             | 657                        | 2.4        | 1.20  | 3.0 | PHG 657-3M-...  |
|         | 223             | 669                        | 2.4        | 1.20  | 3.0 | PHG 669-3M-...  |
|         | 225             | 675                        | 2.4        | 1.20  | 3.0 | PHG 675-3M-...  |
|         | 228             | 684                        | 2.4        | 1.20  | 3.0 | PHG 684-3M-...  |
|         | 233             | 699                        | 2.4        | 1.20  | 3.0 | PHG 699-3M-...  |
|         | 233             | 699                        | 2.4        | 1.20  | 3.0 | PHG 699-3M-...  |
|         | 236             | 708                        | 2.4        | 1.20  | 3.0 | PHG 708-3M-...  |
|         | 237             | 711                        | 2.4        | 1.20  | 3.0 | PHG 711-3M-...  |
|         | 240             | 720                        | 2.4        | 1.20  | 3.0 | PHG 720-3M-...  |
|         | 250             | 750                        | 2.4        | 1.20  | 3.0 | PHG 750-3M-...  |
|         | 251             | 753                        | 2.4        | 1.20  | 3.0 | PHG 753-3M-...  |
|         | 267             | 801                        | 2.4        | 1.20  | 3.0 | PHG 801-3M-...  |
|         | 268             | 804                        | 2.4        | 1.20  | 3.0 | PHG 804-3M-...  |
|         | 271             | 813                        | 2.4        | 1.20  | 3.0 | PHG 813-3M-...  |
|         | 274             | 822                        | 2.4        | 1.20  | 3.0 | PHG 822-3M-...  |
|         | 281             | 843                        | 2.4        | 1.20  | 3.0 | PHG 843-3M-...  |
|         | 295             | 885                        | 2.4        | 1.20  | 3.0 | PHG 885-3M-...  |
|         | 313             | 939                        | 2.4        | 1.20  | 3.0 | PHG 939-3M-...  |
|         | 323             | 969                        | 2.4        | 1.20  | 3.0 | PHG 969-3M-...  |
|         | 375             | 1125                       | 2.4        | 1.20  | 3.0 | PHG 1125-3M-... |
|         | 403             | 1209                       | 2.4        | 1.20  | 3.0 | PHG 1209-3M-... |
|         | 415             | 1245                       | 2.4        | 1.20  | 3.0 | PHG 1245-3M-... |
|         | 421             | 1263                       | 2.4        | 1.20  | 3.0 | PHG 1263-3M-... |
|         | 448             | 1344                       | 2.4        | 1.20  | 3.0 | PHG 1344-3M-... |
|         | 467             | 1401                       | 2.4        | 1.20  | 3.0 | PHG 1401-3M-... |
|         | 523             | 1569                       | 2.4        | 1.20  | 3.0 | PHG 1569-3M-... |
|         | 529             | 1587                       | 2.4        | 1.20  | 3.0 | PHG 1587-3M-... |
|         | 600             | 1800                       | 2.4        | 1.20  | 3.0 | PHG 1800-3M-... |
|         | 650             | 1950                       | 2.4        | 1.20  | 3.0 | PHG 1950-3M-... |
|         | 720             | 2160                       | 2.4        | 1.20  | 3.0 | PHG 2160-3M-... |
|         | 796             | 2388                       | 2.4        | 1.20  | 3.0 | PHG 2388-3M-... |
|         | 880             | 2640                       | 2.4        | 1.20  | 3.0 | PHG 2640-3M-... |
|         | 1000            | 3000                       | 2.4        | 1.20  | 3.0 | PHG 3000-3M-... |
|         | 1070            | 3210                       | 2.4        | 1.20  | 3.0 | PHG 3210-3M-... |
|         | 1130            | 3390                       | 2.4        | 1.20  | 3.0 | PHG 3390-3M-... |
|         | 2268            | 6804                       | 2.4        | 1.20  | 3.0 | PHG 6804-3M-... |

| Section | Number of teeth | Dimensions<br>Pitch length | Dimensions |       |     | Designation    |
|---------|-----------------|----------------------------|------------|-------|-----|----------------|
|         |                 |                            | $h_2$      | $h_1$ | $p$ |                |
| –       | –               | mm                         | –          | –     | –   | –              |
| 5M      | 36              | 180                        | 3.6        | 2.10  | 5.0 | PHG 180-5M-... |
|         | 40              | 200                        | 3.6        | 2.10  | 5.0 | PHG 200-5M-... |
|         | 42              | 210                        | 3.6        | 2.10  | 5.0 | PHG 210-5M-... |
|         | 43              | 215                        | 3.6        | 2.10  | 5.0 | PHG 215-5M-... |
|         | 45              | 225                        | 3.6        | 2.10  | 5.0 | PHG 225-5M-... |
|         | 46              | 230                        | 3.6        | 2.10  | 5.0 | PHG 230-5M-... |
|         | 47              | 235                        | 3.6        | 2.10  | 5.0 | PHG 235-5M-... |
|         | 49              | 245                        | 3.6        | 2.10  | 5.0 | PHG 245-5M-... |
|         | 50              | 250                        | 3.6        | 2.10  | 5.0 | PHG 250-5M-... |
|         | 51              | 255                        | 3.6        | 2.10  | 5.0 | PHG 255-5M-... |
|         | 52              | 260                        | 3.6        | 2.10  | 5.0 | PHG 260-5M-... |
|         | 53              | 265                        | 3.6        | 2.10  | 5.0 | PHG 265-5M-... |
|         | 54              | 270                        | 3.6        | 2.10  | 5.0 | PHG 270-5M-... |
|         | 56              | 280                        | 3.6        | 2.10  | 5.0 | PHG 280-5M-... |
|         | 57              | 285                        | 3.6        | 2.10  | 5.0 | PHG 285-5M-... |
|         | 59              | 295                        | 3.6        | 2.10  | 5.0 | PHG 295-5M-... |
|         | 60              | 300                        | 3.6        | 2.10  | 5.0 | PHG 300-5M-... |
|         | 61              | 305                        | 3.6        | 2.10  | 5.0 | PHG 305-5M-... |
|         | 62              | 310                        | 3.6        | 2.10  | 5.0 | PHG 310-5M-... |
|         | 64              | 320                        | 3.6        | 2.10  | 5.0 | PHG 320-5M-... |
|         | 65              | 325                        | 3.6        | 2.10  | 5.0 | PHG 325-5M-... |
|         | 66              | 330                        | 3.6        | 2.10  | 5.0 | PHG 330-5M-... |
|         | 68              | 340                        | 3.6        | 2.10  | 5.0 | PHG 340-5M-... |
|         | 69              | 345                        | 3.6        | 2.10  | 5.0 | PHG 345-5M-... |
|         | 70              | 350                        | 3.6        | 2.10  | 5.0 | PHG 350-5M-... |
|         | 72              | 360                        | 3.6        | 2.10  | 5.0 | PHG 360-5M-... |
|         | 73              | 365                        | 3.6        | 2.10  | 5.0 | PHG 365-5M-... |
|         | 74              | 370                        | 3.6        | 2.10  | 5.0 | PHG 370-5M-... |
|         | 75              | 375                        | 3.6        | 2.10  | 5.0 | PHG 375-5M-... |
|         | 76              | 380                        | 3.6        | 2.10  | 5.0 | PHG 380-5M-... |
|         | 77              | 385                        | 3.6        | 2.10  | 5.0 | PHG 385-5M-... |
|         | 78              | 390                        | 3.6        | 2.10  | 5.0 | PHG 390-5M-... |
|         | 79              | 395                        | 3.6        | 2.10  | 5.0 | PHG 395-5M-... |
|         | 80              | 400                        | 3.6        | 2.10  | 5.0 | PHG 400-5M-... |
|         | 80              | 400                        | 3.6        | 2.10  | 5.0 | PHG 405-5M-... |
|         | 82              | 410                        | 3.6        | 2.10  | 5.0 | PHG 410-5M-... |
|         | 84              | 420                        | 3.6        | 2.10  | 5.0 | PHG 420-5M-... |
|         | 85              | 425                        | 3.6        | 2.10  | 5.0 | PHG 425-5M-... |
|         | 86              | 430                        | 3.6        | 2.10  | 5.0 | PHG 430-5M-... |
|         | 87              | 435                        | 3.6        | 2.10  | 5.0 | PHG 435-5M-... |
|         | 88              | 440                        | 3.6        | 2.10  | 5.0 | PHG 440-5M-... |
|         | 89              | 445                        | 3.6        | 2.10  | 5.0 | PHG 445-5M-... |
|         | 90              | 450                        | 3.6        | 2.10  | 5.0 | PHG 450-5M-... |
|         | 92              | 460                        | 3.6        | 2.10  | 5.0 | PHG 460-5M-... |
|         | 93              | 465                        | 3.6        | 2.10  | 5.0 | PHG 465-5M-... |
|         | 94              | 470                        | 3.6        | 2.10  | 5.0 | PHG 470-5M-... |
|         | 95              | 475                        | 3.6        | 2.10  | 5.0 | PHG 475-5M-... |
|         | 96              | 480                        | 3.6        | 2.10  | 5.0 | PHG 480-5M-... |
|         | 98              | 490                        | 3.6        | 2.10  | 5.0 | PHG 490-5M-... |
|         | 100             | 500                        | 3.6        | 2.10  | 5.0 | PHG 500-5M-... |
|         | 101             | 505                        | 3.6        | 2.10  | 5.0 | PHG 505-5M-... |
|         | 102             | 510                        | 3.6        | 2.10  | 5.0 | PHG 510-5M-... |
|         | 104             | 520                        | 3.6        | 2.10  | 5.0 | PHG 520-5M-... |
|         | 105             | 525                        | 3.6        | 2.10  | 5.0 | PHG 525-5M-... |
|         | 106             | 530                        | 3.6        | 2.10  | 5.0 | PHG 530-5M-... |

Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

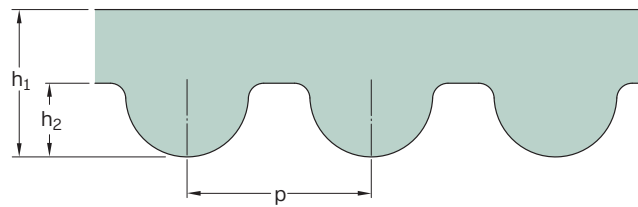
# HTD belts

## 5M | 8M

| Section | Number of teeth | Dimensions   |       |       | Designation | Section | Number of teeth | Dimensions   |       |       | Designation |                 |
|---------|-----------------|--------------|-------|-------|-------------|---------|-----------------|--------------|-------|-------|-------------|-----------------|
|         |                 | Pitch length | $h_2$ | $h_1$ |             |         |                 | Pitch length | $h_2$ | $h_1$ |             |                 |
| —       | —               | mm           |       |       | —           | —       | —               | mm           |       |       | —           |                 |
| 5M      | 107             | 535          | 3.6   | 2.10  | 5.0         | 5M      | 245             | 1225         | 3.6   | 2.10  | 5.0         | PHG 1225-5M-... |
|         | 108             | 540          | 3.6   | 2.10  | 5.0         |         | 250             | 1250         | 3.6   | 2.10  | 5.0         | PHG 1250-5M-... |
|         | 110             | 550          | 3.6   | 2.10  | 5.0         |         | 254             | 1270         | 3.6   | 2.10  | 5.0         | PHG 1270-5M-... |
|         | 112             | 560          | 3.6   | 2.10  | 5.0         |         | 258             | 1290         | 3.6   | 2.10  | 5.0         | PHG 1290-5M-... |
|         | 113             | 565          | 3.6   | 2.10  | 5.0         |         | 259             | 1295         | 3.6   | 2.10  | 5.0         | PHG 1295-5M-... |
|         | 114             | 570          | 3.6   | 2.10  | 5.0         |         | 260             | 1300         | 3.6   | 2.10  | 5.0         | PHG 1300-5M-... |
|         | 115             | 575          | 3.6   | 2.10  | 5.0         |         | 268             | 1340         | 3.6   | 2.10  | 5.0         | PHG 1340-5M-... |
|         | 116             | 580          | 3.6   | 2.10  | 5.0         |         | 270             | 1350         | 3.6   | 2.10  | 5.0         | PHG 1350-5M-... |
|         | 117             | 585          | 3.6   | 2.10  | 5.0         |         | 275             | 1375         | 3.6   | 2.10  | 5.0         | PHG 1375-5M-... |
|         | 118             | 590          | 3.6   | 2.10  | 5.0         |         | 280             | 1400         | 3.6   | 2.10  | 5.0         | PHG 1400-5M-... |
|         | 120             | 600          | 3.6   | 2.10  | 5.0         |         | 282             | 1410         | 3.6   | 2.10  | 5.0         | PHG 1410-5M-... |
|         | 121             | 605          | 3.6   | 2.10  | 5.0         |         | 284             | 1420         | 3.6   | 2.10  | 5.0         | PHG 1420-5M-... |
|         | 122             | 610          | 3.6   | 2.10  | 5.0         |         | 290             | 1450         | 3.6   | 2.10  | 5.0         | PHG 1450-5M-... |
|         | 123             | 615          | 3.6   | 2.10  | 5.0         |         | 291             | 1455         | 3.6   | 2.10  | 5.0         | PHG 1455-5M-... |
|         | 124             | 620          | 3.6   | 2.10  | 5.0         |         | 300             | 1500         | 3.6   | 2.10  | 5.0         | PHG 1500-5M-... |
|         | 125             | 625          | 3.6   | 2.10  | 5.0         |         | 319             | 1595         | 3.6   | 2.10  | 5.0         | PHG 1595-5M-... |
|         | 126             | 630          | 3.6   | 2.10  | 5.0         |         | 320             | 1600         | 3.6   | 2.10  | 5.0         | PHG 1600-5M-... |
|         | 127             | 635          | 3.6   | 2.10  | 5.0         |         | 337             | 1685         | 3.6   | 2.10  | 5.0         | PHG 1685-5M-... |
|         | 128             | 640          | 3.6   | 2.10  | 5.0         |         | 338             | 1690         | 3.6   | 2.10  | 5.0         | PHG 1690-5M-... |
|         | 129             | 645          | 3.6   | 2.10  | 5.0         |         | 340             | 1700         | 3.6   | 2.10  | 5.0         | PHG 1700-5M-... |
|         | 130             | 650          | 3.6   | 2.10  | 5.0         |         | 346             | 1730         | 3.6   | 2.10  | 5.0         | PHG 1730-5M-... |
|         | 131             | 655          | 3.6   | 2.10  | 5.0         |         | 354             | 1770         | 3.6   | 2.10  | 5.0         | PHG 1770-5M-... |
|         | 133             | 665          | 3.6   | 2.10  | 5.0         |         | 358             | 1790         | 3.6   | 2.10  | 5.0         | PHG 1790-5M-... |
|         | 134             | 670          | 3.6   | 2.10  | 5.0         |         | 360             | 1800         | 3.6   | 2.10  | 5.0         | PHG 1800-5M-... |
|         | 135             | 675          | 3.6   | 2.10  | 5.0         |         | 374             | 1870         | 3.6   | 2.10  | 5.0         | PHG 1870-5M-... |
|         | 137             | 685          | 3.6   | 2.10  | 5.0         |         | 379             | 1895         | 3.6   | 2.10  | 5.0         | PHG 1895-5M-... |
|         | 138             | 690          | 3.6   | 2.10  | 5.0         |         | 389             | 1945         | 3.6   | 2.10  | 5.0         | PHG 1945-5M-... |
|         | 139             | 695          | 3.6   | 2.10  | 5.0         |         | 400             | 2000         | 3.6   | 2.10  | 5.0         | PHG 2000-5M-... |
|         | 140             | 700          | 3.6   | 2.10  | 5.0         |         | 410             | 2050         | 3.6   | 2.10  | 5.0         | PHG 2050-5M-... |
|         | 142             | 710          | 3.6   | 2.10  | 5.0         |         | 420             | 2100         | 3.6   | 2.10  | 5.0         | PHG 2100-5M-... |
|         | 142             | 710          | 3.6   | 2.10  | 5.0         |         | 432             | 2160         | 3.6   | 2.10  | 5.0         | PHG 2160-5M-... |
|         | 144             | 720          | 3.6   | 2.10  | 5.0         |         | 450             | 2250         | 3.6   | 2.10  | 5.0         | PHG 2250-5M-... |
|         | 145             | 725          | 3.6   | 2.10  | 5.0         |         | 470             | 2350         | 3.6   | 2.10  | 5.0         | PHG 2350-5M-... |
|         | 148             | 740          | 3.6   | 2.10  | 5.0         |         | 474             | 2370         | 3.6   | 2.10  | 5.0         | PHG 2370-5M-... |
|         | 149             | 745          | 3.6   | 2.10  | 5.0         |         | 492             | 2460         | 3.6   | 2.10  | 5.0         | PHG 2460-5M-... |
|         | 150             | 750          | 3.6   | 2.10  | 5.0         |         | 505             | 2525         | 3.6   | 2.10  | 5.0         | PHG 2525-5M-... |
|         | 151             | 755          | 3.6   | 2.10  | 5.0         |         | 527             | 2635         | 3.6   | 2.10  | 5.0         | PHG 2635-5M-... |
|         | 154             | 770          | 3.6   | 2.10  | 5.0         |         | 605             | 3025         | 3.6   | 2.10  | 5.0         | PHG 3025-5M-... |
|         | 155             | 775          | 3.6   | 2.10  | 5.0         |         | 612             | 3060         | 3.6   | 2.10  | 5.0         | PHG 3060-5M-... |
|         | 156             | 780          | 3.6   | 2.10  | 5.0         |         | 651             | 3255         | 3.6   | 2.10  | 5.0         | PHG 3255-5M-... |
|         | 158             | 790          | 3.6   | 2.10  | 5.0         |         | 686             | 3430         | 3.6   | 2.10  | 5.0         | PHG 3430-5M-... |
|         | 160             | 800          | 3.6   | 2.10  | 5.0         |         | 732             | 3660         | 3.6   | 2.10  | 5.0         | PHG 3660-5M-... |
|         | 162             | 810          | 3.6   | 2.10  | 5.0         |         | 750             | 3750         | 3.6   | 2.10  | 5.0         | PHG 3750-5M-... |
|         | 165             | 825          | 3.6   | 2.10  | 5.0         |         | 754             | 3770         | 3.6   | 2.10  | 5.0         | PHG 3770-5M-... |
|         | 166             | 830          | 3.6   | 2.10  | 5.0         |         | 760             | 3800         | 3.6   | 2.10  | 5.0         | PHG 3800-5M-... |
|         | 167             | 835          | 3.6   | 2.10  | 5.0         |         | 852             | 4260         | 3.6   | 2.10  | 5.0         | PHG 4260-5M-... |
|         | 170             | 850          | 3.6   | 2.10  | 5.0         |         | 1060            | 5300         | 3.6   | 2.10  | 5.0         | PHG 5300-5M-... |
|         | 172             | 860          | 3.6   | 2.10  | 5.0         |         | 1400            | 7000         | 3.6   | 2.10  | 5.0         | PHG 7000-5M-... |
|         | 174             | 870          | 3.6   | 2.10  | 5.0         | 8M      | 23              | 184          | 5.6   | 3.88  | 8.0         | PHG 184-8M-...  |
|         | 178             | 890          | 3.6   | 2.10  | 5.0         |         | 36              | 288          | 5.6   | 3.88  | 8.0         | PHG 288-8M-...  |
|         | 180             | 900          | 3.6   | 2.10  | 5.0         |         | 40              | 320          | 5.6   | 3.88  | 8.0         | PHG 320-8M-...  |
|         | 182             | 910          | 3.6   | 2.10  | 5.0         |         | 41              | 328          | 5.6   | 3.88  | 8.0         | PHG 328-8M-...  |
|         | 184             | 920          | 3.6   | 2.10  | 5.0         |         | 42              | 336          | 5.6   | 3.88  | 8.0         | PHG 336-8M-...  |
|         | 185             | 925          | 3.6   | 2.10  | 5.0         |         | 46              | 368          | 5.6   | 3.88  | 8.0         | PHG 368-8M-...  |
|         | 187             | 935          | 3.6   | 2.10  | 5.0         |         | 47              | 376          | 5.6   | 3.88  | 8.0         | PHG 376-8M-...  |
|         | 188             | 940          | 3.6   | 2.10  | 5.0         |         | 48              | 384          | 5.6   | 3.88  | 8.0         | PHG 384-8M-...  |
|         | 190             | 950          | 3.6   | 2.10  | 5.0         |         | 50              | 400          | 5.6   | 3.88  | 8.0         | PHG 400-8M-...  |
|         | 192             | 960          | 3.6   | 2.10  | 5.0         |         | 51              | 408          | 5.6   | 3.88  | 8.0         | PHG 408-8M-...  |
|         | 193             | 965          | 3.6   | 2.10  | 5.0         |         | 52              | 416          | 5.6   | 3.88  | 8.0         | PHG 416-8M-...  |
|         | 195             | 975          | 3.6   | 2.10  | 5.0         |         | 53              | 424          | 5.6   | 3.88  | 8.0         | PHG 424-8M-...  |
|         | 196             | 980          | 3.6   | 2.10  | 5.0         |         | 55              | 440          | 5.6   | 3.88  | 8.0         | PHG 440-8M-...  |
|         | 200             | 1000         | 3.6   | 2.10  | 5.0         |         | 56              | 448          | 5.6   | 3.88  | 8.0         | PHG 448-8M-...  |
|         | 205             | 1025         | 3.6   | 2.10  | 5.0         |         | 59              | 472          | 5.6   | 3.88  | 8.0         | PHG 472-8M-...  |
|         | 207             | 1035         | 3.6   | 2.10  | 5.0         |         | 60              | 480          | 5.6   | 3.88  | 8.0         | PHG 480-8M-...  |
|         | 210             | 1050         | 3.6   | 2.10  | 5.0         |         | 64              | 512          | 5.6   | 3.88  | 8.0         | PHG 512-8M-...  |
|         | 220             | 1100         | 3.6   | 2.10  | 5.0         |         | 65              | 520          | 5.6   | 3.88  | 8.0         | PHG 520-8M-...  |
|         | 223             | 1115         | 3.6   | 2.10  | 5.0         |         | 67              | 536          | 5.6   | 3.88  | 8.0         | PHG 536-8M-...  |
|         | 225             | 1125         | 3.6   | 2.10  | 5.0         |         | 68              | 544          | 5.6   | 3.88  | 8.0         | PHG 544-8M-...  |
|         | 227             | 1135         | 3.6   | 2.10  | 5.0         |         | 70              | 560          | 5.6   | 3.88  | 8.0         | PHG 560-8M-...  |
|         | 229             | 1145         | 3.6   | 2.10  | 5.0         |         | 71              | 568          | 5.6   | 3.88  | 8.0         | PHG 568-8M-...  |
|         | 235             | 1175         | 3.6   | 2.10  | 5.0         |         | 72              | 576          | 5.6   | 3.88  | 8.0         | PHG 576-8M-...  |
|         | 236             | 1180         | 3.6   | 2.10  | 5.0         |         | 73              | 584          | 5.6   | 3.88  | 8.0         | PHG 584-8M-...  |
|         | 239             | 1195         | 3.6   | 2.10  | 5.0         |         | 74              | 592          | 5.6   | 3.88  | 8.0         | PHG 592-8M-...  |
|         | 240             | 1200         | 3.6   | 2.10  | 5.0         |         |                 |              |       |       |             |                 |
|         | 242             | 1210         | 3.6   | 2.10  | 5.0         |         |                 |              |       |       |             |                 |

Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# HTD belts 8M



| Section | Number of teeth | Dimensions<br>Pitch length | Dimensions |       |     | Designation     |
|---------|-----------------|----------------------------|------------|-------|-----|-----------------|
|         |                 |                            | $h_2$      | $h_1$ | $p$ |                 |
| —       | —               | mm                         | —          | —     | —   | —               |
| 8M      | 75              | 600                        | 5.6        | 3.88  | 8.0 | PHG 600-8M-...  |
|         | 76              | 608                        | 5.6        | 3.88  | 8.0 | PHG 608-8M-...  |
|         | 78              | 624                        | 5.6        | 3.88  | 8.0 | PHG 624-8M-...  |
|         | 79              | 632                        | 5.6        | 3.88  | 8.0 | PHG 632-8M-...  |
|         | 80              | 640                        | 5.6        | 3.88  | 8.0 | PHG 640-8M-...  |
|         | 81              | 648                        | 5.6        | 3.88  | 8.0 | PHG 648-8M-...  |
|         | 82              | 656                        | 5.6        | 3.88  | 8.0 | PHG 656-8M-...  |
|         | 85              | 680                        | 5.6        | 3.88  | 8.0 | PHG 680-8M-...  |
|         | 86              | 688                        | 5.6        | 3.88  | 8.0 | PHG 688-8M-...  |
|         | 87              | 696                        | 5.6        | 3.88  | 8.0 | PHG 696-8M-...  |
|         | 89              | 712                        | 5.6        | 3.88  | 8.0 | PHG 712-8M-...  |
|         | 90              | 720                        | 5.6        | 3.88  | 8.0 | PHG 720-8M-...  |
|         | 91              | 728                        | 5.6        | 3.88  | 8.0 | PHG 728-8M-...  |
|         | 92              | 736                        | 5.6        | 3.88  | 8.0 | PHG 736-8M-...  |
|         | 95              | 760                        | 5.6        | 3.88  | 8.0 | PHG 760-8M-...  |
|         | 97              | 776                        | 5.6        | 3.88  | 8.0 | PHG 776-8M-...  |
|         | 98              | 784                        | 5.6        | 3.88  | 8.0 | PHG 784-8M-...  |
|         | 99              | 792                        | 5.6        | 3.88  | 8.0 | PHG 792-8M-...  |
|         | 100             | 800                        | 5.6        | 3.88  | 8.0 | PHG 800-8M-...  |
|         | 102             | 816                        | 5.6        | 3.88  | 8.0 | PHG 816-8M-...  |
|         | 103             | 824                        | 5.6        | 3.88  | 8.0 | PHG 824-8M-...  |
|         | 105             | 840                        | 5.6        | 3.88  | 8.0 | PHG 840-8M-...  |
|         | 106             | 848                        | 5.6        | 3.88  | 8.0 | PHG 848-8M-...  |
|         | 107             | 856                        | 5.6        | 3.88  | 8.0 | PHG 856-8M-...  |
|         | 108             | 864                        | 5.6        | 3.88  | 8.0 | PHG 864-8M-...  |
|         | 109             | 872                        | 5.6        | 3.88  | 8.0 | PHG 872-8M-...  |
|         | 110             | 880                        | 5.6        | 3.88  | 8.0 | PHG 880-8M-...  |
|         | 112             | 896                        | 5.6        | 3.88  | 8.0 | PHG 896-8M-...  |
|         | 114             | 912                        | 5.6        | 3.88  | 8.0 | PHG 912-8M-...  |
|         | 115             | 920                        | 5.6        | 3.88  | 8.0 | PHG 920-8M-...  |
|         | 116             | 928                        | 5.6        | 3.88  | 8.0 | PHG 928-8M-...  |
|         | 117             | 936                        | 5.6        | 3.88  | 8.0 | PHG 936-8M-...  |
|         | 118             | 944                        | 5.6        | 3.88  | 8.0 | PHG 944-8M-...  |
|         | 119             | 952                        | 5.6        | 3.88  | 8.0 | PHG 952-8M-...  |
|         | 120             | 960                        | 5.6        | 3.88  | 8.0 | PHG 960-8M-...  |
|         | 121             | 968                        | 5.6        | 3.88  | 8.0 | PHG 968-8M-...  |
|         | 122             | 976                        | 5.6        | 3.88  | 8.0 | PHG 976-8M-...  |
|         | 125             | 1000                       | 5.6        | 3.88  | 8.0 | PHG 1000-8M-... |
|         | 127             | 1016                       | 5.6        | 3.88  | 8.0 | PHG 1016-8M-... |
|         | 128             | 1024                       | 5.6        | 3.88  | 8.0 | PHG 1024-8M-... |
|         | 130             | 1040                       | 5.6        | 3.88  | 8.0 | PHG 1040-8M-... |
|         | 132             | 1056                       | 5.6        | 3.88  | 8.0 | PHG 1056-8M-... |
|         | 133             | 1064                       | 5.6        | 3.88  | 8.0 | PHG 1064-8M-... |
|         | 135             | 1080                       | 5.6        | 3.88  | 8.0 | PHG 1080-8M-... |
|         | 138             | 1104                       | 5.6        | 3.88  | 8.0 | PHG 1104-8M-... |
|         | 139             | 1112                       | 5.6        | 3.88  | 8.0 | PHG 1112-8M-... |
|         | 140             | 1120                       | 5.6        | 3.88  | 8.0 | PHG 1120-8M-... |
|         | 141             | 1128                       | 5.6        | 3.88  | 8.0 | PHG 1128-8M-... |
|         | 142             | 1136                       | 5.6        | 3.88  | 8.0 | PHG 1136-8M-... |
|         | 144             | 1152                       | 5.6        | 3.88  | 8.0 | PHG 1152-8M-... |
| 8M      | 145             | 1160                       | 5.6        | 3.88  | 8.0 | PHG 1160-8M-... |
|         | 146             | 1168                       | 5.6        | 3.88  | 8.0 | PHG 1168-8M-... |
|         | 148             | 1184                       | 5.6        | 3.88  | 8.0 | PHG 1184-8M-... |
|         | 149             | 1192                       | 5.6        | 3.88  | 8.0 | PHG 1192-8M-... |
|         | 150             | 1200                       | 5.6        | 3.88  | 8.0 | PHG 1200-8M-... |
|         | 151             | 1208                       | 5.6        | 3.88  | 8.0 | PHG 1208-8M-... |
|         | 152             | 1216                       | 5.6        | 3.88  | 8.0 | PHG 1216-8M-... |
|         | 153             | 1224                       | 5.6        | 3.88  | 8.0 | PHG 1224-8M-... |
|         | 155             | 1240                       | 5.6        | 3.88  | 8.0 | PHG 1240-8M-... |
|         | 156             | 1248                       | 5.6        | 3.88  | 8.0 | PHG 1248-8M-... |
|         | 157             | 1256                       | 5.6        | 3.88  | 8.0 | PHG 1256-8M-... |
|         | 158             | 1264                       | 5.6        | 3.88  | 8.0 | PHG 1264-8M-... |
|         | 159             | 1272                       | 5.6        | 3.88  | 8.0 | PHG 1272-8M-... |
|         | 160             | 1280                       | 5.6        | 3.88  | 8.0 | PHG 1280-8M-... |
|         | 163             | 1304                       | 5.6        | 3.88  | 8.0 | PHG 1304-8M-... |
|         | 164             | 1312                       | 5.6        | 3.88  | 8.0 | PHG 1312-8M-... |
|         | 165             | 1320                       | 5.6        | 3.88  | 8.0 | PHG 1320-8M-... |
|         | 166             | 1328                       | 5.6        | 3.88  | 8.0 | PHG 1328-8M-... |
|         | 168             | 1344                       | 5.6        | 3.88  | 8.0 | PHG 1344-8M-... |
|         | 169             | 1352                       | 5.6        | 3.88  | 8.0 | PHG 1352-8M-... |
|         | 170             | 1360                       | 5.6        | 3.88  | 8.0 | PHG 1360-8M-... |
|         | 172             | 1376                       | 5.6        | 3.88  | 8.0 | PHG 1376-8M-... |
|         | 174             | 1392                       | 5.6        | 3.88  | 8.0 | PHG 1392-8M-... |
|         | 175             | 1400                       | 5.6        | 3.88  | 8.0 | PHG 1400-8M-... |
|         | 177             | 1416                       | 5.6        | 3.88  | 8.0 | PHG 1416-8M-... |
|         | 178             | 1424                       | 5.6        | 3.88  | 8.0 | PHG 1424-8M-... |
|         | 179             | 1432                       | 5.6        | 3.88  | 8.0 | PHG 1432-8M-... |
|         | 180             | 1440                       | 5.6        | 3.88  | 8.0 | PHG 1440-8M-... |
|         | 182             | 1456                       | 5.6        | 3.88  | 8.0 | PHG 1456-8M-... |
|         | 183             | 1464                       | 5.6        | 3.88  | 8.0 | PHG 1464-8M-... |
|         | 185             | 1480                       | 5.6        | 3.88  | 8.0 | PHG 1480-8M-... |
|         | 189             | 1512                       | 5.6        | 3.88  | 8.0 | PHG 1512-8M-... |
|         | 190             | 1520                       | 5.6        | 3.88  | 8.0 | PHG 1520-8M-... |
|         | 192             | 1536                       | 5.6        | 3.88  | 8.0 | PHG 1536-8M-... |
|         | 194             | 1552                       | 5.6        | 3.88  | 8.0 | PHG 1552-8M-... |
|         | 195             | 1560                       | 5.6        | 3.88  | 8.0 | PHG 1560-8M-... |
|         | 197             | 1576                       | 5.6        | 3.88  | 8.0 | PHG 1576-8M-... |
|         | 200             | 1600                       | 5.6        | 3.88  | 8.0 | PHG 1600-8M-... |
|         | 205             | 1640                       | 5.6        | 3.88  | 8.0 | PHG 1640-8M-... |
|         | 206             | 1648                       | 5.6        | 3.88  | 8.0 | PHG 1648-8M-... |
|         | 210             | 1680                       | 5.6        | 3.88  | 8.0 | PHG 1680-8M-... |
|         | 212             | 1696                       | 5.6        | 3.88  | 8.0 | PHG 1696-8M-... |
|         | 216             | 1728                       | 5.6        | 3.88  | 8.0 | PHG 1728-8M-... |
|         | 220             | 1760                       | 5.6        | 3.88  | 8.0 | PHG 1760-8M-... |
|         | 223             | 1784                       | 5.6        | 3.88  | 8.0 | PHG 1784-8M-... |
|         | 224             | 1792                       | 5.6        | 3.88  | 8.0 | PHG 1792-8M-... |
|         | 225             | 1800                       | 5.6        | 3.88  | 8.0 | PHG 1800-8M-... |
|         | 232             | 1856                       | 5.6        | 3.88  | 8.0 | PHG 1856-8M-... |
|         | 237             | 1896                       | 5.6        | 3.88  | 8.0 | PHG 1896-8M-... |
|         | 238             | 1904                       | 5.6        | 3.88  | 8.0 | PHG 1904-8M-... |

Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

# HTD belts

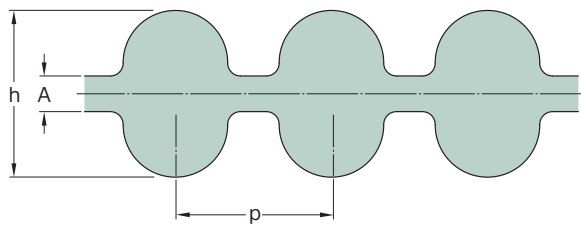
## 8M | 14M

| Section | Number of teeth | Dimensions   |       |       |      | Designation      |
|---------|-----------------|--------------|-------|-------|------|------------------|
|         |                 | Pitch length | $h_2$ | $h_1$ | p    |                  |
| —       | —               | mm           |       |       |      | —                |
| 8M      | 240             | 1 920        | 5.6   | 3.88  | 8.0  | PHG 1920-8M-...  |
|         | 242             | 1 936        | 5.6   | 3.88  | 8.0  | PHG 1936-8M-...  |
|         | 244             | 1 952        | 5.6   | 3.88  | 8.0  | PHG 1952-8M-...  |
|         | 250             | 2 000        | 5.6   | 3.88  | 8.0  | PHG 2000-8M-...  |
|         | 260             | 2 080        | 5.6   | 3.88  | 8.0  | PHG 2080-8M-...  |
|         | 262             | 2 096        | 5.6   | 3.88  | 8.0  | PHG 2096-8M-...  |
|         | 263             | 2 104        | 5.6   | 3.88  | 8.0  | PHG 2104-8M-...  |
|         | 267             | 2 136        | 5.6   | 3.88  | 8.0  | PHG 2136-8M-...  |
|         | 270             | 2 160        | 5.6   | 3.88  | 8.0  | PHG 2160-8M-...  |
|         | 276             | 2 208        | 5.6   | 3.88  | 8.0  | PHG 2208-8M-...  |
|         | 280             | 2 240        | 5.6   | 3.88  | 8.0  | PHG 2240-8M-...  |
|         | 281             | 2 248        | 5.6   | 3.88  | 8.0  | PHG 2248-8M-...  |
|         | 288             | 2 304        | 5.6   | 3.88  | 8.0  | PHG 2304-8M-...  |
|         | 291             | 2 328        | 5.6   | 3.88  | 8.0  | PHG 2328-8M-...  |
|         | 299             | 2 392        | 5.6   | 3.88  | 8.0  | PHG 2392-8M-...  |
|         | 300             | 2 400        | 5.6   | 3.88  | 8.0  | PHG 2400-8M-...  |
|         | 313             | 2 504        | 5.6   | 3.88  | 8.0  | PHG 2504-8M-...  |
|         | 323             | 2 584        | 5.6   | 3.88  | 8.0  | PHG 2584-8M-...  |
|         | 325             | 2 600        | 5.6   | 3.88  | 8.0  | PHG 2600-8M-...  |
|         | 332             | 2 656        | 5.6   | 3.88  | 8.0  | PHG 2656-8M-...  |
|         | 342             | 2 736        | 5.6   | 3.88  | 8.0  | PHG 2736-8M-...  |
|         | 350             | 2 800        | 5.6   | 3.88  | 8.0  | PHG 2800-8M-...  |
|         | 381             | 3 048        | 5.6   | 3.88  | 8.0  | PHG 3048-8M-...  |
|         | 390             | 3 120        | 5.6   | 3.88  | 8.0  | PHG 3120-8M-...  |
|         | 396             | 3 168        | 5.6   | 3.88  | 8.0  | PHG 3168-8M-...  |
|         | 400             | 3 200        | 5.6   | 3.88  | 8.0  | PHG 3200-8M-...  |
|         | 410             | 3 280        | 5.6   | 3.88  | 8.0  | PHG 3280-8M-...  |
|         | 425             | 3 400        | 5.6   | 3.88  | 8.0  | PHG 3400-8M-...  |
|         | 450             | 3 600        | 5.6   | 3.88  | 8.0  | PHG 3600-8M-...  |
|         | 465             | 3 720        | 5.6   | 3.88  | 8.0  | PHG 3720-8M-...  |
|         | 478             | 3 824        | 5.6   | 3.88  | 8.0  | PHG 3824-8M-...  |
|         | 483             | 3 864        | 5.6   | 3.88  | 8.0  | PHG 3864-8M-...  |
|         | 500             | 4 000        | 5.6   | 3.88  | 8.0  | PHG 4000-8M-...  |
|         | 525             | 4 200        | 5.6   | 3.88  | 8.0  | PHG 4200-8M-...  |
|         | 550             | 4 400        | 5.6   | 3.88  | 8.0  | PHG 4400-8M-...  |
|         | 640             | 5 120        | 5.6   | 3.88  | 8.0  | PHG 5120-8M-...  |
|         | 700             | 5 600        | 5.6   | 3.88  | 8.0  | PHG 5600-8M-...  |
|         | 745             | 5 960        | 5.6   | 3.88  | 8.0  | PHG 5960-8M-...  |
|         | 825             | 6 600        | 5.6   | 3.88  | 8.0  | PHG 6600-8M-...  |
|         | 860             | 6 880        | 5.6   | 3.88  | 8.0  | PHG 6880-8M-...  |
| 14M     | 67              | 938          | 10.0  | 6.10  | 14.0 | PHG 938-14M-...  |
|         | 69              | 966          | 10.0  | 6.10  | 14.0 | PHG 966-14M-...  |
|         | 74              | 1 036        | 10.0  | 6.10  | 14.0 | PHG 1036-14M-... |
|         | 75              | 1 050        | 10.0  | 6.10  | 14.0 | PHG 1050-14M-... |
|         | 76              | 1 064        | 10.0  | 6.10  | 14.0 | PHG 1064-14M-... |
|         | 78              | 1 092        | 10.0  | 6.10  | 14.0 | PHG 1092-14M-... |
|         | 80              | 1 120        | 10.0  | 6.10  | 14.0 | PHG 1120-14M-... |
|         | 82              | 1 148        | 10.0  | 6.10  | 14.0 | PHG 1148-14M-... |
|         | 85              | 1 190        | 10.0  | 6.10  | 14.0 | PHG 1190-14M-... |
|         | 89              | 1 246        | 10.0  | 6.10  | 14.0 | PHG 1246-14M-... |
|         | 90              | 1 260        | 10.0  | 6.10  | 14.0 | PHG 1260-14M-... |
|         | 92              | 1 288        | 10.0  | 6.10  | 14.0 | PHG 1288-14M-... |
|         | 94              | 1 316        | 10.0  | 6.10  | 14.0 | PHG 1316-14M-... |
|         | 96              | 1 344        | 10.0  | 6.10  | 14.0 | PHG 1344-14M-... |
|         | 100             | 1 400        | 10.0  | 6.10  | 14.0 | PHG 1400-14M-... |
|         | 101             | 1 414        | 10.0  | 6.10  | 14.0 | PHG 1414-14M-... |
|         | 103             | 1 442        | 10.0  | 6.10  | 14.0 | PHG 1442-14M-... |
|         | 104             | 1 456        | 10.0  | 6.10  | 14.0 | PHG 1456-14M-... |
|         | 105             | 1 470        | 10.0  | 6.10  | 14.0 | PHG 1470-14M-... |
|         | 106             | 1 484        | 10.0  | 6.10  | 14.0 | PHG 1484-14M-... |
|         | 108             | 1 512        | 10.0  | 6.10  | 14.0 | PHG 1512-14M-... |
|         | 110             | 1 540        | 10.0  | 6.10  | 14.0 | PHG 1540-14M-... |
|         | 112             | 1 568        | 10.0  | 6.10  | 14.0 | PHG 1568-14M-... |
|         | 115             | 1 610        | 10.0  | 6.10  | 14.0 | PHG 1610-14M-... |
|         | 118             | 1 652        | 10.0  | 6.10  | 14.0 | PHG 1652-14M-... |
|         | 125             | 1 750        | 10.0  | 6.10  | 14.0 | PHG 1750-14M-... |
|         | 126             | 1 764        | 10.0  | 6.10  | 14.0 | PHG 1764-14M-... |
|         | 127             | 1 778        | 10.0  | 6.10  | 14.0 | PHG 1778-14M-... |
|         | 128             | 1 792        | 10.0  | 6.10  | 14.0 | PHG 1792-14M-... |
|         | 128             | 1 792        | 10.0  | 6.10  | 14.0 | PHG 1792-14M-... |

| Section | Number of teeth | Dimensions   |       |       | Designation |                  |
|---------|-----------------|--------------|-------|-------|-------------|------------------|
|         |                 | Pitch length | $h_2$ | $h_1$ |             | p                |
| —       | —               | mm           |       |       |             | —                |
| 14M     | 129             | 1 806        | 10.0  | 6.10  | 14.0        | PHG 1806-14M-... |
|         | 130             | 1 820        | 10.0  | 6.10  | 14.0        | PHG 1820-14M-... |
|         | 135             | 1 890        | 10.0  | 6.10  | 14.0        | PHG 1890-14M-... |
|         | 138             | 1 932        | 10.0  | 6.10  | 14.0        | PHG 1932-14M-... |
|         | 139             | 1 946        | 10.0  | 6.10  | 14.0        | PHG 1946-14M-... |
|         | 140             | 1 960        | 10.0  | 6.10  | 14.0        | PHG 1960-14M-... |
|         | 143             | 2 002        | 10.0  | 6.10  | 14.0        | PHG 2002-14M-... |
|         | 150             | 2 100        | 10.0  | 6.10  | 14.0        | PHG 2100-14M-... |
|         | 160             | 2 240        | 10.0  | 6.10  | 14.0        | PHG 2240-14M-... |
|         | 165             | 2 310        | 10.0  | 6.10  | 14.0        | PHG 2310-14M-... |
|         | 175             | 2 450        | 10.0  | 6.10  | 14.0        | PHG 2450-14M-... |
|         | 175             | 2 450        | 10.0  | 6.10  | 14.0        | PHG 2450-14M-... |
|         | 185             | 2 590        | 10.0  | 6.10  | 14.0        | PHG 2590-14M-... |
|         | 190             | 2 660        | 10.0  | 6.10  | 14.0        | PHG 2660-14M-... |
|         | 200             | 2 800        | 10.0  | 6.10  | 14.0        | PHG 2800-14M-... |
|         | 222             | 3 108        | 10.0  | 6.10  | 14.0        | PHG 3108-14M-... |
|         | 225             | 3 150        | 10.0  | 6.10  | 14.0        | PHG 3150-14M-... |
|         | 236             | 3 304        | 10.0  | 6.10  | 14.0        | PHG 3304-14M-... |
|         | 240             | 3 360        | 10.0  | 6.10  | 14.0        | PHG 3360-14M-... |
|         | 250             | 3 500        | 10.0  | 6.10  | 14.0        | PHG 3500-14M-... |
|         | 262             | 3 668        | 10.0  | 6.10  | 14.0        | PHG 3668-14M-... |

Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

## Double-sided HTD belts D-5M



| Section | Number of teeth per side | Dimensions   |     |     | Designation |                   |
|---------|--------------------------|--------------|-----|-----|-------------|-------------------|
|         |                          | Pitch length | h   | A   |             | p                 |
| —       | —                        | mm           |     |     |             | —                 |
| D-5M    | 100                      | 500          | 5.3 | 1.1 | 5.0         | PHG DA-500-5M-... |
|         | 101                      | 505          | 5.3 | 1.1 | 5.0         | PHG DA-505-5M-... |
|         | 104                      | 520          | 5.3 | 1.1 | 5.0         | PHG DA-520-5M-... |
|         | 105                      | 525          | 5.3 | 1.1 | 5.0         | PHG DA-525-5M-... |
|         | 106                      | 530          | 5.3 | 1.1 | 5.0         | PHG DA-530-5M-... |
|         | 107                      | 535          | 5.3 | 1.1 | 5.0         | PHG DA-535-5M-... |
|         | 108                      | 540          | 5.3 | 1.1 | 5.0         | PHG DA-540-5M-... |
|         | 110                      | 550          | 5.3 | 1.1 | 5.0         | PHG DA-550-5M-... |
|         | 112                      | 560          | 5.3 | 1.1 | 5.0         | PHG DA-560-5M-... |
|         | 113                      | 565          | 5.3 | 1.1 | 5.0         | PHG DA-565-5M-... |
|         | 114                      | 570          | 5.3 | 1.1 | 5.0         | PHG DA-570-5M-... |
|         | 115                      | 575          | 5.3 | 1.1 | 5.0         | PHG DA-575-5M-... |
|         | 116                      | 580          | 5.3 | 1.1 | 5.0         | PHG DA-580-5M-... |
|         | 117                      | 585          | 5.3 | 1.1 | 5.0         | PHG DA-585-5M-... |
|         | 118                      | 590          | 5.3 | 1.1 | 5.0         | PHG DA-590-5M-... |
|         | 120                      | 600          | 5.3 | 1.1 | 5.0         | PHG DA-600-5M-... |
|         | 121                      | 605          | 5.3 | 1.1 | 5.0         | PHG DA-605-5M-... |
|         | 122                      | 610          | 5.3 | 1.1 | 5.0         | PHG DA-610-5M-... |
|         | 123                      | 615          | 5.3 | 1.1 | 5.0         | PHG DA-615-5M-... |
|         | 124                      | 620          | 5.3 | 1.1 | 5.0         | PHG DA-620-5M-... |
|         | 125                      | 625          | 5.3 | 1.1 | 5.0         | PHG DA-625-5M-... |
|         | 126                      | 630          | 5.3 | 1.1 | 5.0         | PHG DA-630-5M-... |
|         | 127                      | 635          | 5.3 | 1.1 | 5.0         | PHG DA-635-5M-... |
|         | 128                      | 640          | 5.3 | 1.1 | 5.0         | PHG DA-640-5M-... |
|         | 129                      | 645          | 5.3 | 1.1 | 5.0         | PHG DA-645-5M-... |
|         | 130                      | 650          | 5.3 | 1.1 | 5.0         | PHG DA-650-5M-... |
|         | 131                      | 655          | 5.3 | 1.1 | 5.0         | PHG DA-655-5M-... |
|         | 134                      | 670          | 5.3 | 1.1 | 5.0         | PHG DA-670-5M-... |
|         | 135                      | 675          | 5.3 | 1.1 | 5.0         | PHG DA-675-5M-... |
|         | 137                      | 685          | 5.3 | 1.1 | 5.0         | PHG DA-685-5M-... |
|         | 138                      | 690          | 5.3 | 1.1 | 5.0         | PHG DA-690-5M-... |
|         | 139                      | 695          | 5.3 | 1.1 | 5.0         | PHG DA-695-5M-... |
|         | 140                      | 700          | 5.3 | 1.1 | 5.0         | PHG DA-700-5M-... |
|         | 142                      | 710          | 5.3 | 1.1 | 5.0         | PHG DA-715-5M-... |
|         | 142                      | 710          | 5.3 | 1.1 | 5.0         | PHG DA-710-5M-... |
|         | 144                      | 720          | 5.3 | 1.1 | 5.0         | PHG DA-720-5M-... |
|         | 145                      | 725          | 5.3 | 1.1 | 5.0         | PHG DA-725-5M-... |
|         | 148                      | 740          | 5.3 | 1.1 | 5.0         | PHG DA-740-5M-... |
|         | 149                      | 745          | 5.3 | 1.1 | 5.0         | PHG DA-745-5M-... |
|         | 150                      | 750          | 5.3 | 1.1 | 5.0         | PHG DA-750-5M-... |
|         | 151                      | 755          | 5.3 | 1.1 | 5.0         | PHG DA-755-5M-... |
|         | 154                      | 770          | 5.3 | 1.1 | 5.0         | PHG DA-770-5M-... |
|         | 155                      | 775          | 5.3 | 1.1 | 5.0         | PHG DA-775-5M-... |
|         | 156                      | 780          | 5.3 | 1.1 | 5.0         | PHG DA-780-5M-... |
|         | 158                      | 790          | 5.3 | 1.1 | 5.0         | PHG DA-790-5M-... |
|         | 160                      | 800          | 5.3 | 1.1 | 5.0         | PHG DA-800-5M-... |
|         | 162                      | 810          | 5.3 | 1.1 | 5.0         | PHG DA-810-5M-... |
|         | 165                      | 825          | 5.3 | 1.1 | 5.0         | PHG DA-825-5M-... |
|         | 166                      | 830          | 5.3 | 1.1 | 5.0         | PHG DA-830-5M-... |
|         | 167                      | 835          | 5.3 | 1.1 | 5.0         | PHG DA-835-5M-... |

| Section | Number of teeth per side | Dimensions   |     |     | Designation |                    |
|---------|--------------------------|--------------|-----|-----|-------------|--------------------|
|         |                          | Pitch length | h   | A   |             | p                  |
| —       | —                        | mm           |     |     |             | —                  |
| D-5M    | 170                      | 850          | 5.3 | 1.1 | 5.0         | PHG DA-850-5M-...  |
|         | 172                      | 860          | 5.3 | 1.1 | 5.0         | PHG DA-860-5M-...  |
|         | 174                      | 870          | 5.3 | 1.1 | 5.0         | PHG DA-870-5M-...  |
|         | 178                      | 890          | 5.3 | 1.1 | 5.0         | PHG DA-890-5M-...  |
|         | 180                      | 900          | 5.3 | 1.1 | 5.0         | PHG DA-900-5M-...  |
|         | 182                      | 910          | 5.3 | 1.1 | 5.0         | PHG DA-910-5M-...  |
|         | 184                      | 920          | 5.3 | 1.1 | 5.0         | PHG DA-920-5M-...  |
|         | 185                      | 925          | 5.3 | 1.1 | 5.0         | PHG DA-925-5M-...  |
|         | 187                      | 935          | 5.3 | 1.1 | 5.0         | PHG DA-935-5M-...  |
|         | 188                      | 940          | 5.3 | 1.1 | 5.0         | PHG DA-940-5M-...  |
|         | 190                      | 950          | 5.3 | 1.1 | 5.0         | PHG DA-950-5M-...  |
|         | 192                      | 960          | 5.3 | 1.1 | 5.0         | PHG DA-960-5M-...  |
|         | 193                      | 965          | 5.3 | 1.1 | 5.0         | PHG DA-965-5M-...  |
|         | 195                      | 975          | 5.3 | 1.1 | 5.0         | PHG DA-975-5M-...  |
|         | 196                      | 980          | 5.3 | 1.1 | 5.0         | PHG DA-980-5M-...  |
|         | 200                      | 1000         | 5.3 | 1.1 | 5.0         | PHG DA-1000-5M-... |
|         | 205                      | 1025         | 5.3 | 1.1 | 5.0         | PHG DA-1025-5M-... |
|         | 207                      | 1035         | 5.3 | 1.1 | 5.0         | PHG DA-1035-5M-... |
|         | 210                      | 1050         | 5.3 | 1.1 | 5.0         | PHG DA-1050-5M-... |
|         | 220                      | 1100         | 5.3 | 1.1 | 5.0         | PHG DA-1100-5M-... |
|         | 223                      | 1115         | 5.3 | 1.1 | 5.0         | PHG DA-1115-5M-... |
|         | 225                      | 1125         | 5.3 | 1.1 | 5.0         | PHG DA-1125-5M-... |
|         | 227                      | 1135         | 5.3 | 1.1 | 5.0         | PHG DA-1135-5M-... |
|         | 229                      | 1145         | 5.3 | 1.1 | 5.0         | PHG DA-1145-5M-... |
|         | 235                      | 1175         | 5.3 | 1.1 | 5.0         | PHG DA-1175-5M-... |
|         | 236                      | 1180         | 5.3 | 1.1 | 5.0         | PHG DA-1180-5M-... |
|         | 239                      | 1195         | 5.3 | 1.1 | 5.0         | PHG DA-1195-5M-... |
|         | 240                      | 1200         | 5.3 | 1.1 | 5.0         | PHG DA-1200-5M-... |
|         | 242                      | 1210         | 5.3 | 1.1 | 5.0         | PHG DA-1210-5M-... |
|         | 245                      | 1225         | 5.3 | 1.1 | 5.0         | PHG DA-1225-5M-... |
|         | 250                      | 1250         | 5.3 | 1.1 | 5.0         | PHG DA-1250-5M-... |
|         | 254                      | 1270         | 5.3 | 1.1 | 5.0         | PHG DA-1270-5M-... |
|         | 258                      | 1290         | 5.3 | 1.1 | 5.0         | PHG DA-1290-5M-... |
|         | 259                      | 1295         | 5.3 | 1.1 | 5.0         | PHG DA-1295-5M-... |
|         | 260                      | 1300         | 5.3 | 1.1 | 5.0         | PHG DA-1300-5M-... |
|         | 268                      | 1340         | 5.3 | 1.1 | 5.0         | PHG DA-1340-5M-... |
|         | 270                      | 1350         | 5.3 | 1.1 | 5.0         | PHG DA-1350-5M-... |
|         | 275                      | 1375         | 5.3 | 1.1 | 5.0         | PHG DA-1375-5M-... |
|         | 280                      | 1400         | 5.3 | 1.1 | 5.0         | PHG DA-1400-5M-... |
|         | 282                      | 1410         | 5.3 | 1.1 | 5.0         | PHG DA-1410-5M-... |
|         | 284                      | 1420         | 5.3 | 1.1 | 5.0         | PHG DA-1420-5M-... |
|         | 290                      | 1450         | 5.3 | 1.1 | 5.0         | PHG DA-1450-5M-... |
|         | 291                      | 1455         | 5.3 | 1.1 | 5.0         | PHG DA-1455-5M-... |
|         | 300                      | 1500         | 5.3 | 1.1 | 5.0         | PHG DA-1500-5M-... |
|         | 319                      | 1595         | 5.3 | 1.1 | 5.0         | PHG DA-1595-5M-... |
|         | 320                      | 1600         | 5.3 | 1.1 | 5.0         | PHG DA-1600-5M-... |
|         | 337                      | 1685         | 5.3 | 1.1 | 5.0         | PHG DA-1685-5M-... |
|         | 338                      | 1690         | 5.3 | 1.1 | 5.0         | PHG DA-1690-5M-... |

Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Double-sided HTD belts are available in symmetric (DA) only.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

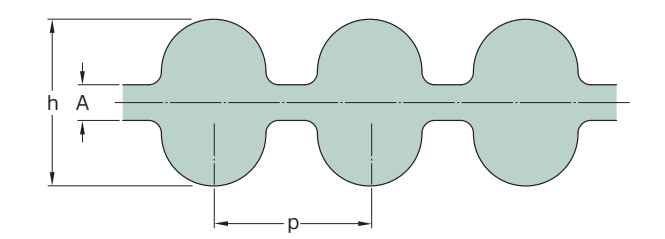
## Double-sided HTD belts D-8M

| Section | Number of teeth per side | Dimensions   |     |     | Designation |                    |
|---------|--------------------------|--------------|-----|-----|-------------|--------------------|
|         |                          | Pitch length | h   | A   |             | p                  |
| —       | —                        | mm           |     |     |             | —                  |
| D-8M    | 64                       | 512          | 8.2 | 1.4 | 8.0         | PHG DA-512-8M-...  |
|         | 65                       | 520          | 8.2 | 1.4 | 8.0         | PHG DA-520-8M-...  |
|         | 67                       | 536          | 8.2 | 1.4 | 8.0         | PHG DA-536-8M-...  |
|         | 68                       | 544          | 8.2 | 1.4 | 8.0         | PHG DA-544-8M-...  |
|         | 70                       | 560          | 8.2 | 1.4 | 8.0         | PHG DA-560-8M-...  |
|         | 71                       | 568          | 8.2 | 1.4 | 8.0         | PHG DA-568-8M-...  |
|         | 72                       | 576          | 8.2 | 1.4 | 8.0         | PHG DA-576-8M-...  |
|         | 73                       | 584          | 8.2 | 1.4 | 8.0         | PHG DA-584-8M-...  |
|         | 74                       | 592          | 8.2 | 1.4 | 8.0         | PHG DA-592-8M-...  |
|         | 75                       | 600          | 8.2 | 1.4 | 8.0         | PHG DA-600-8M-...  |
|         | 76                       | 608          | 8.2 | 1.4 | 8.0         | PHG DA-608-8M-...  |
|         | 78                       | 624          | 8.2 | 1.4 | 8.0         | PHG DA-624-8M-...  |
|         | 79                       | 632          | 8.2 | 1.4 | 8.0         | PHG DA-632-8M-...  |
|         | 80                       | 640          | 8.2 | 1.4 | 8.0         | PHG DA-640-8M-...  |
|         | 81                       | 648          | 8.2 | 1.4 | 8.0         | PHG DA-648-8M-...  |
|         | 82                       | 656          | 8.2 | 1.4 | 8.0         | PHG DA-656-8M-...  |
|         | 85                       | 680          | 8.2 | 1.4 | 8.0         | PHG DA-680-8M-...  |
|         | 86                       | 688          | 8.2 | 1.4 | 8.0         | PHG DA-688-8M-...  |
|         | 87                       | 696          | 8.2 | 1.4 | 8.0         | PHG DA-696-8M-...  |
|         | 89                       | 712          | 8.2 | 1.4 | 8.0         | PHG DA-712-8M-...  |
|         | 90                       | 720          | 8.2 | 1.4 | 8.0         | PHG DA-720-8M-...  |
|         | 91                       | 728          | 8.2 | 1.4 | 8.0         | PHG DA-728-8M-...  |
|         | 92                       | 736          | 8.2 | 1.4 | 8.0         | PHG DA-736-8M-...  |
|         | 95                       | 760          | 8.2 | 1.4 | 8.0         | PHG DA-760-8M-...  |
|         | 97                       | 776          | 8.2 | 1.4 | 8.0         | PHG DA-776-8M-...  |
|         | 98                       | 784          | 8.2 | 1.4 | 8.0         | PHG DA-784-8M-...  |
|         | 99                       | 792          | 8.2 | 1.4 | 8.0         | PHG DA-792-8M-...  |
|         | 100                      | 800          | 8.2 | 1.4 | 8.0         | PHG DA-800-8M-...  |
|         | 102                      | 816          | 8.2 | 1.4 | 8.0         | PHG DA-816-8M-...  |
|         | 103                      | 824          | 8.2 | 1.4 | 8.0         | PHG DA-824-8M-...  |
|         | 105                      | 840          | 8.2 | 1.4 | 8.0         | PHG DA-840-8M-...  |
|         | 106                      | 848          | 8.2 | 1.4 | 8.0         | PHG DA-848-8M-...  |
|         | 107                      | 856          | 8.2 | 1.4 | 8.0         | PHG DA-856-8M-...  |
|         | 108                      | 864          | 8.2 | 1.4 | 8.0         | PHG DA-864-8M-...  |
|         | 109                      | 872          | 8.2 | 1.4 | 8.0         | PHG DA-872-8M-...  |
|         | 110                      | 880          | 8.2 | 1.4 | 8.0         | PHG DA-880-8M-...  |
|         | 112                      | 896          | 8.2 | 1.4 | 8.0         | PHG DA-896-8M-...  |
|         | 114                      | 912          | 8.2 | 1.4 | 8.0         | PHG DA-912-8M-...  |
|         | 115                      | 920          | 8.2 | 1.4 | 8.0         | PHG DA-920-8M-...  |
|         | 116                      | 928          | 8.2 | 1.4 | 8.0         | PHG DA-928-8M-...  |
|         | 117                      | 936          | 8.2 | 1.4 | 8.0         | PHG DA-936-8M-...  |
|         | 118                      | 944          | 8.2 | 1.4 | 8.0         | PHG DA-944-8M-...  |
|         | 119                      | 952          | 8.2 | 1.4 | 8.0         | PHG DA-952-8M-...  |
|         | 120                      | 960          | 8.2 | 1.4 | 8.0         | PHG DA-960-8M-...  |
|         | 121                      | 968          | 8.2 | 1.4 | 8.0         | PHG DA-968-8M-...  |
|         | 122                      | 976          | 8.2 | 1.4 | 8.0         | PHG DA-976-8M-...  |
|         | 125                      | 1000         | 8.2 | 1.4 | 8.0         | PHG DA-1000-8M-... |
|         | 127                      | 1016         | 8.2 | 1.4 | 8.0         | PHG DA-1016-8M-... |
|         | 128                      | 1024         | 8.2 | 1.4 | 8.0         | PHG DA-1024-8M-... |
|         | 130                      | 1040         | 8.2 | 1.4 | 8.0         | PHG DA-1040-8M-... |
|         | 132                      | 1056         | 8.2 | 1.4 | 8.0         | PHG DA-1056-8M-... |
|         | 133                      | 1064         | 8.2 | 1.4 | 8.0         | PHG DA-1064-8M-... |
|         | 135                      | 1080         | 8.2 | 1.4 | 8.0         | PHG DA-1080-8M-... |
|         | 136                      | 1088         | 8.2 | 1.4 | 8.0         | PHG DA-1088-8M-... |
|         | 138                      | 1104         | 8.2 | 1.4 | 8.0         | PHG DA-1104-8M-... |
|         | 139                      | 1112         | 8.2 | 1.4 | 8.0         | PHG DA-1112-8M-... |
|         | 140                      | 1120         | 8.2 | 1.4 | 8.0         | PHG DA-1120-8M-... |
|         | 141                      | 1128         | 8.2 | 1.4 | 8.0         | PHG DA-1128-8M-... |
|         | 142                      | 1136         | 8.2 | 1.4 | 8.0         | PHG DA-1136-8M-... |
|         | 144                      | 1152         | 8.2 | 1.4 | 8.0         | PHG DA-1152-8M-... |
|         | 145                      | 1160         | 8.2 | 1.4 | 8.0         | PHG DA-1160-8M-... |
|         | 146                      | 1168         | 8.2 | 1.4 | 8.0         | PHG DA-1168-8M-... |
|         | 148                      | 1184         | 8.2 | 1.4 | 8.0         | PHG DA-1184-8M-... |
|         | 149                      | 1192         | 8.2 | 1.4 | 8.0         | PHG DA-1192-8M-... |
|         | 150                      | 1200         | 8.2 | 1.4 | 8.0         | PHG DA-1200-8M-... |
|         | 151                      | 1208         | 8.2 | 1.4 | 8.0         | PHG DA-1208-8M-... |
|         | 152                      | 1216         | 8.2 | 1.4 | 8.0         | PHG DA-1216-8M-... |
|         | 153                      | 1224         | 8.2 | 1.4 | 8.0         | PHG DA-1224-8M-... |
|         | 155                      | 1240         | 8.2 | 1.4 | 8.0         | PHG DA-1240-8M-... |
|         | 156                      | 1248         | 8.2 | 1.4 | 8.0         | PHG DA-1248-8M-... |

| Section | Number of teeth per side | Dimensions   |     |     | Designation |                    |
|---------|--------------------------|--------------|-----|-----|-------------|--------------------|
|         |                          | Pitch length | h   | A   |             | p                  |
| —       | —                        | mm           |     |     |             | —                  |
| D-8M    | 157                      | 1256         | 8.2 | 1.4 | 8.0         | PHG DA-1256-8M-... |
|         | 158                      | 1264         | 8.2 | 1.4 | 8.0         | PHG DA-1264-8M-... |
|         | 159                      | 1272         | 8.2 | 1.4 | 8.0         | PHG DA-1272-8M-... |
|         | 160                      | 1280         | 8.2 | 1.4 | 8.0         | PHG DA-1280-8M-... |
|         | 163                      | 1304         | 8.2 | 1.4 | 8.0         | PHG DA-1304-8M-... |
|         | 164                      | 1312         | 8.2 | 1.4 | 8.0         | PHG DA-1312-8M-... |
|         | 165                      | 1320         | 8.2 | 1.4 | 8.0         | PHG DA-1320-8M-... |
|         | 166                      | 1328         | 8.2 | 1.4 | 8.0         | PHG DA-1328-8M-... |
|         | 168                      | 1344         | 8.2 | 1.4 | 8.0         | PHG DA-1344-8M-... |
|         | 169                      | 1352         | 8.2 | 1.4 | 8.0         | PHG DA-1352-8M-... |
|         | 170                      | 1360         | 8.2 | 1.4 | 8.0         | PHG DA-1360-8M-... |
|         | 172                      | 1376         | 8.2 | 1.4 | 8.0         | PHG DA-1376-8M-... |
|         | 174                      | 1392         | 8.2 | 1.4 | 8.0         | PHG DA-1392-8M-... |
|         | 175                      | 1400         | 8.2 | 1.4 | 8.0         | PHG DA-1400-8M-... |
|         | 177                      | 1416         | 8.2 | 1.4 | 8.0         | PHG DA-1416-8M-... |
|         | 178                      | 1424         | 8.2 | 1.4 | 8.0         | PHG DA-1424-8M-... |
|         | 179                      | 1432         | 8.2 | 1.4 | 8.0         | PHG DA-1432-8M-... |
|         | 180                      | 1440         | 8.2 | 1.4 | 8.0         | PHG DA-1440-8M-... |
|         | 182                      | 1456         | 8.2 | 1.4 | 8.0         | PHG DA-1456-8M-... |
|         | 183                      | 1464         | 8.2 | 1.4 | 8.0         | PHG DA-1464-8M-... |
|         | 185                      | 1480         | 8.2 | 1.4 | 8.0         | PHG DA-1480-8M-... |
|         | 189                      | 1512         | 8.2 | 1.4 | 8.0         | PHG DA-1512-8M-... |
|         | 190                      | 1520         | 8.2 | 1.4 | 8.0         | PHG DA-1520-8M-... |
|         | 192                      | 1536         | 8.2 | 1.4 | 8.0         | PHG DA-1536-8M-... |
|         | 194                      | 1552         | 8.2 | 1.4 | 8.0         | PHG DA-1552-8M-... |
|         | 195                      | 1560         | 8.2 | 1.4 | 8.0         | PHG DA-1560-8M-... |
|         | 197                      | 1576         | 8.2 | 1.4 | 8.0         | PHG DA-1576-8M-... |
|         | 200                      | 1600         | 8.2 | 1.4 | 8.0         | PHG DA-1600-8M-... |
|         | 205                      | 1640         | 8.2 | 1.4 | 8.0         | PHG DA-1640-8M-... |
|         | 206                      | 1648         | 8.2 | 1.4 | 8.0         | PHG DA-1648-8M-... |
|         | 210                      | 1680         | 8.2 | 1.4 | 8.0         | PHG DA-1680-8M-... |
|         | 212                      | 1696         | 8.2 | 1.4 | 8.0         | PHG DA-1696-8M-... |
|         | 216                      | 1728         | 8.2 | 1.4 | 8.0         | PHG DA-1728-8M-... |
|         | 220                      | 1760         | 8.2 | 1.4 | 8.0         | PHG DA-1760-8M-... |
|         | 223                      | 1784         | 8.2 | 1.4 | 8.0         | PHG DA-1784-8M-... |
|         | 224                      | 1792         | 8.2 | 1.4 | 8.0         | PHG DA-1792-8M-... |
|         | 225                      | 1800         | 8.2 | 1.4 | 8.0         | PHG DA-1800-8M-... |
|         | 232                      | 1856         | 8.2 | 1.4 | 8.0         | PHG DA-1856-8M-... |
|         | 237                      | 1896         | 8.2 | 1.4 | 8.0         | PHG DA-1896-8M-... |
|         | 238                      | 1904         | 8.2 | 1.4 | 8.0         | PHG DA-1904-8M-... |
|         | 240                      | 1920         | 8.2 | 1.4 | 8.0         | PHG DA-1920-8M-... |
|         | 242                      | 1936         | 8.2 | 1.4 | 8.0         | PHG DA-1936-8M-... |
|         | 244                      | 1952         | 8.2 | 1.4 | 8.0         | PHG DA-1952-8M-... |
|         | 250                      | 2000         | 8.2 | 1.4 | 8.0         | PHG DA-2000-8M-... |
|         | 260                      | 2080         | 8.2 | 1.4 | 8.0         | PHG DA-2080-8M-... |
|         | 262                      | 2096         | 8.2 | 1.4 | 8.0         | PHG DA-2096-8M-... |
|         | 263                      | 2104         | 8.2 | 1.4 | 8.0         | PHG DA-2104-8M-... |
|         | 267                      | 2136         | 8.2 | 1.4 | 8.0         | PHG DA-2136-8M-... |
|         | 270                      | 2160         | 8.2 | 1.4 | 8.0         | PHG DA-2160-8M-... |
|         | 276                      | 2208         | 8.2 | 1.4 | 8.0         | PHG DA-2208-8M-... |
|         | 280                      | 2240         | 8.2 | 1.4 | 8.0         | PHG DA-2240-8M-... |
|         | 281                      | 2248         | 8.2 | 1.4 | 8.0         | PHG DA-2248-8M-... |
|         | 284                      | 2272         | 8.2 | 1.4 | 8.0         | PHG DA-2272-8M-... |
|         | 288                      | 2304         | 8.2 | 1.4 | 8.0         | PHG DA-2304-8M-... |
|         | 291                      | 2328         | 8.2 | 1.4 | 8.0         | PHG DA-2328-8M-... |
|         | 299                      | 2392         | 8.2 | 1.4 | 8.0         | PHG DA-2392-8M-... |
|         | 300                      | 2400         | 8.2 | 1.4 | 8.0         | PHG DA-2400-8M-... |
|         | 313                      | 2504         | 8.2 | 1.4 | 8.0         | PHG DA-2504-8M-... |
|         | 323                      | 2584         | 8.2 | 1.4 | 8.0         | PHG DA-2584-8M-... |
|         | 325                      | 2600         | 8.2 | 1.4 | 8.0         | PHG DA-2600-8M-... |
|         | 332                      | 2656         | 8.2 | 1.4 | 8.0         | PHG DA-2656-8M-... |
|         | 342                      | 2736         | 8.2 | 1.4 | 8.0         | PHG DA-2736-8M-... |
|         | 350                      | 2800         | 8.2 | 1.4 | 8.0         | PHG DA-2800-8M-... |
|         | 381                      | 3048         | 8.2 | 1.4 | 8.0         | PHG DA-3048-8M-... |
|         | 390                      | 3120         | 8.2 | 1.4 | 8.0         | PHG DA-3120-8M-... |
|         | 396                      | 3168         | 8.2 | 1.4 | 8.0         | PHG DA-3168-8M-... |
|         | 400                      | 3200         | 8.2 | 1.4 | 8.0         | PHG DA-3200-8M-... |
|         | 410                      | 3280         | 8.2 | 1.4 | 8.0         | PHG DA-3280-8M-... |
|         | 425                      | 3400         | 8.2 | 1.4 | 8.0         | PHG DA-3400-8M-... |
|         | 450                      | 3600         | 8.2 | 1.4 | 8.0         | PHG DA-3600-8M-... |

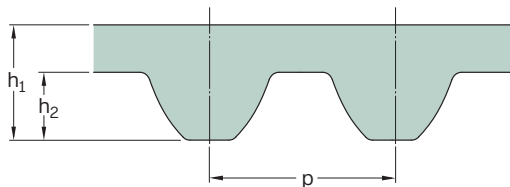
Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Double-sided HTD belts are available in symmetric (DA) only.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

Double-sided HTD belts  
D-8M | D-14M



| Section | Number of teeth per side | Dimensions   |      |     |      | Designation         |
|---------|--------------------------|--------------|------|-----|------|---------------------|
|         |                          | Pitch length | h    | A   | p    |                     |
| —       | —                        | mm           | —    | —   | —    | —                   |
| D-8M    | 465                      | 3 720        | 8.2  | 1.4 | 8.0  | PHG DA-3720-8M-...  |
|         | 478                      | 3 824        | 8.2  | 1.4 | 8.0  | PHG DA-3824-8M-...  |
|         | 483                      | 3 864        | 8.2  | 1.4 | 8.0  | PHG DA-3864-8M-...  |
|         | 500                      | 4 000        | 8.2  | 1.4 | 8.0  | PHG DA-4000-8M-...  |
|         | 525                      | 4 200        | 8.2  | 1.4 | 8.0  | PHG DA-4200-8M-...  |
|         | 550                      | 4 400        | 8.2  | 1.4 | 8.0  | PHG DA-4400-8M-...  |
|         | 640                      | 5 120        | 8.2  | 1.4 | 8.0  | PHG DA-5120-8M-...  |
|         | 700                      | 5 600        | 8.2  | 1.4 | 8.0  | PHG DA-5600-8M-...  |
|         | 745                      | 5 960        | 8.2  | 1.4 | 8.0  | PHG DA-5960-8M-...  |
|         | 825                      | 6 600        | 8.2  | 1.4 | 8.0  | PHG DA-6600-8M-...  |
|         | 860                      | 6 880        | 8.2  | 1.4 | 8.0  | PHG DA-6880-8M-...  |
| D-14M   | 115                      | 1 610        | 14.8 | 2.8 | 14.0 | PHG DA-1610-14M-... |
|         | 118                      | 1 652        | 14.8 | 2.8 | 14.0 | PHG DA-1652-14M-... |
|         | 125                      | 1 750        | 14.8 | 2.8 | 14.0 | PHG DA-1750-14M-... |
|         | 126                      | 1 764        | 14.8 | 2.8 | 14.0 | PHG DA-1764-14M-... |
|         | 127                      | 1 778        | 14.8 | 2.8 | 14.0 | PHG DA-1778-14M-... |
|         | 128                      | 1 792        | 14.8 | 2.8 | 14.0 | PHG DA-1792-14M-... |
|         | 129                      | 1 806        | 14.8 | 2.8 | 14.0 | PHG DA-1806-14M-... |
|         | 130                      | 1 820        | 14.8 | 2.8 | 14.0 | PHG DA-1820-14M-... |
|         | 135                      | 1 890        | 14.8 | 2.8 | 14.0 | PHG DA-1890-14M-... |
|         | 138                      | 1 932        | 14.8 | 2.8 | 14.0 | PHG DA-1932-14M-... |
|         | 139                      | 1 946        | 14.8 | 2.8 | 14.0 | PHG DA-1946-14M-... |
|         | 140                      | 1 960        | 14.8 | 2.8 | 14.0 | PHG DA-1960-14M-... |
|         | 143                      | 2 002        | 14.8 | 2.8 | 14.0 | PHG DA-2002-14M-... |
|         | 150                      | 2 100        | 14.8 | 2.8 | 14.0 | PHG DA-2100-14M-... |
|         | 160                      | 2 240        | 14.8 | 2.8 | 14.0 | PHG DA-2240-14M-... |
|         | 165                      | 2 310        | 14.8 | 2.8 | 14.0 | PHG DA-2310-14M-... |
|         | 175                      | 2 450        | 14.8 | 2.8 | 14.0 | PHG DA-2450-14M-... |
|         | 185                      | 2 590        | 14.8 | 2.8 | 14.0 | PHG DA-2590-14M-... |
|         | 190                      | 2 660        | 14.8 | 2.8 | 14.0 | PHG DA-2660-14M-... |
|         | 200                      | 2 800        | 14.8 | 2.8 | 14.0 | PHG DA-2800-14M-... |
|         | 222                      | 3 108        | 14.8 | 2.8 | 14.0 | PHG DA-3108-14M-... |
|         | 225                      | 3 150        | 14.8 | 2.8 | 14.0 | PHG DA-3150-14M-... |
|         | 236                      | 3 304        | 14.8 | 2.8 | 14.0 | PHG DA-3304-14M-... |
|         | 240                      | 3 360        | 14.8 | 2.8 | 14.0 | PHG DA-3360-14M-... |
|         | 250                      | 3 500        | 14.8 | 2.8 | 14.0 | PHG DA-3500-14M-... |
|         | 275                      | 3 850        | 14.8 | 2.8 | 14.0 | PHG DA-3850-14M-... |
|         | 309                      | 4 326        | 14.8 | 2.8 | 14.0 | PHG DA-4326-14M-... |
|         | 324                      | 4 536        | 14.8 | 2.8 | 14.0 | PHG DA-4536-14M-... |
|         | 327                      | 4 578        | 14.8 | 2.8 | 14.0 | PHG DA-4578-14M-... |
|         | 340                      | 4 760        | 14.8 | 2.8 | 14.0 | PHG DA-4760-14M-... |
|         | 354                      | 4 956        | 14.8 | 2.8 | 14.0 | PHG DA-4956-14M-... |
|         | 360                      | 5 040        | 14.8 | 2.8 | 14.0 | PHG DA-5040-14M-... |
|         | 380                      | 5 320        | 14.8 | 2.8 | 14.0 | PHG DA-5320-14M-... |
|         | 410                      | 5 740        | 14.8 | 2.8 | 14.0 | PHG DA-5740-14M-... |
|         | 424                      | 5 936        | 14.8 | 2.8 | 14.0 | PHG DA-5936-14M-... |
|         | 440                      | 6 160        | 14.8 | 2.8 | 14.0 | PHG DA-6160-14M-... |
|         | 490                      | 6 860        | 14.8 | 2.8 | 14.0 | PHG DA-6860-14M-... |

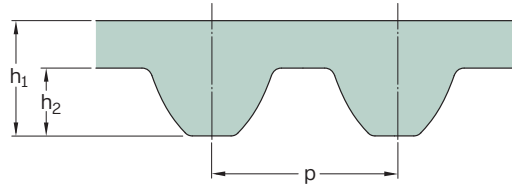
Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Double-sided HTD belts are available in symmetric (DA) only.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.



| Section | Number of teeth | Dimensions   |      | $h_1$ | $h_2$ | $p$ | Designation      |
|---------|-----------------|--------------|------|-------|-------|-----|------------------|
|         |                 | Pitch length |      |       |       |     |                  |
| –       | –               | <i>in.</i>   | mm   | –     | –     | –   | –                |
| S2M     | 30              | 2.36         | 60   | 1.36  | 0.76  | 2   | PHG S2M-60-...   |
|         | 40              | 3.15         | 80   | 1.36  | 0.76  | 2   | PHG S2M-80-...   |
|         | 48              | 3.78         | 96   | 1.36  | 0.76  | 2   | PHG S2M-96-...   |
|         | 55              | 4.33         | 110  | 1.36  | 0.76  | 2   | PHG S2M-110-...  |
|         | 60              | 4.72         | 120  | 1.36  | 0.76  | 2   | PHG S2M-120-...  |
|         | 63              | 4.96         | 126  | 1.36  | 0.76  | 2   | PHG S2M-126-...  |
|         | 64              | 5.04         | 128  | 1.36  | 0.76  | 2   | PHG S2M-128-...  |
|         | 65              | 5.12         | 130  | 1.36  | 0.76  | 2   | PHG S2M-130-...  |
|         | 66              | 5.20         | 132  | 1.36  | 0.76  | 2   | PHG S2M-132-...  |
|         | 67              | 5.28         | 134  | 1.36  | 0.76  | 2   | PHG S2M-134-...  |
|         | 69              | 5.43         | 138  | 1.36  | 0.76  | 2   | PHG S2M-138-...  |
|         | 73              | 5.75         | 146  | 1.36  | 0.76  | 2   | PHG S2M-146-...  |
|         | 76              | 5.98         | 152  | 1.36  | 0.76  | 2   | PHG S2M-152-...  |
|         | 78              | 6.14         | 156  | 1.36  | 0.76  | 2   | PHG S2M-156-...  |
|         | 80              | 6.30         | 160  | 1.36  | 0.76  | 2   | PHG S2M-160-...  |
|         | 84              | 6.61         | 168  | 1.36  | 0.76  | 2   | PHG S2M-168-...  |
|         | 90              | 7.09         | 180  | 1.36  | 0.76  | 2   | PHG S2M-180-...  |
|         | 91              | 7.17         | 182  | 1.36  | 0.76  | 2   | PHG S2M-182-...  |
|         | 92              | 7.24         | 184  | 1.36  | 0.76  | 2   | PHG S2M-184-...  |
|         | 93              | 7.32         | 186  | 1.36  | 0.76  | 2   | PHG S2M-186-...  |
|         | 96              | 7.56         | 192  | 1.36  | 0.76  | 2   | PHG S2M-192-...  |
|         | 97              | 7.64         | 194  | 1.36  | 0.76  | 2   | PHG S2M-194-...  |
|         | 99              | 7.80         | 198  | 1.36  | 0.76  | 2   | PHG S2M-198-...  |
|         | 100             | 7.87         | 200  | 1.36  | 0.76  | 2   | PHG S2M-200-...  |
|         | 101             | 7.95         | 202  | 1.36  | 0.76  | 2   | PHG S2M-202-...  |
|         | 102             | 8.03         | 204  | 1.36  | 0.76  | 2   | PHG S2M-204-...  |
|         | 112             | 8.82         | 224  | 1.36  | 0.76  | 2   | PHG S2M-224-...  |
|         | 117             | 9.21         | 234  | 1.36  | 0.76  | 2   | PHG S2M-234-...  |
|         | 118             | 9.29         | 236  | 1.36  | 0.76  | 2   | PHG S2M-236-...  |
|         | 120             | 9.45         | 240  | 1.36  | 0.76  | 2   | PHG S2M-240-...  |
|         | 122             | 9.61         | 244  | 1.36  | 0.76  | 2   | PHG S2M-244-...  |
|         | 125             | 9.84         | 250  | 1.36  | 0.76  | 2   | PHG S2M-250-...  |
|         | 130             | 10.24        | 260  | 1.36  | 0.76  | 2   | PHG S2M-260-...  |
|         | 132             | 10.39        | 264  | 1.36  | 0.76  | 2   | PHG S2M-264-...  |
|         | 144             | 11.34        | 288  | 1.36  | 0.76  | 2   | PHG S2M-288-...  |
|         | 156             | 12.28        | 312  | 1.36  | 0.76  | 2   | PHG S2M-312-...  |
|         | 158             | 12.44        | 316  | 1.36  | 0.76  | 2   | PHG S2M-316-...  |
|         | 168             | 13.23        | 336  | 1.36  | 0.76  | 2   | PHG S2M-336-...  |
|         | 177             | 13.94        | 354  | 1.36  | 0.76  | 2   | PHG S2M-354-...  |
|         | 210             | 16.54        | 420  | 1.36  | 0.76  | 2   | PHG S2M-420-...  |
|         | 247             | 19.45        | 494  | 1.36  | 0.76  | 2   | PHG S2M-494-...  |
|         | 290             | 22.83        | 580  | 1.36  | 0.76  | 2   | PHG S2M-580-...  |
|         | 1500            | 118.11       | 3000 | 1.36  | 0.76  | 2   | PHG S2M-3000-... |
|         | 1850            | 145.67       | 3700 | 1.36  | 0.76  | 2   | PHG S2M-3700-... |
| S3M     | 40              | 4.72         | 120  | 2.20  | 1.14  | 3   | PHG S3M-120-...  |
|         | 43              | 5.08         | 129  | 2.20  | 1.14  | 3   | PHG S3M-129-...  |
|         | 48              | 5.67         | 144  | 2.20  | 1.14  | 3   | PHG S3M-144-...  |
|         | 50              | 5.91         | 150  | 2.20  | 1.14  | 3   | PHG S3M-150-...  |
|         | 52              | 6.14         | 156  | 2.20  | 1.14  | 3   | PHG S3M-156-...  |
|         | 54              | 6.38         | 162  | 2.20  | 1.14  | 3   | PHG S3M-162-...  |
|         | 55              | 6.50         | 165  | 2.20  | 1.14  | 3   | PHG S3M-165-...  |
|         | 57              | 6.73         | 171  | 2.20  | 1.14  | 3   | PHG S3M-171-...  |
|         | 58              | 6.85         | 174  | 2.20  | 1.14  | 3   | PHG S3M-174-...  |
|         | 59              | 6.97         | 177  | 2.20  | 1.14  | 3   | PHG S3M-177-...  |
|         | 60              | 7.09         | 180  | 2.20  | 1.14  | 3   | PHG S3M-180-...  |
|         | 62              | 7.32         | 186  | 2.20  | 1.14  | 3   | PHG S3M-186-...  |
|         | 63              | 7.44         | 189  | 2.20  | 1.14  | 3   | PHG S3M-189-...  |
|         | 64              | 7.56         | 192  | 2.20  | 1.14  | 3   | PHG S3M-192-...  |
|         | 67              | 7.91         | 201  | 2.20  | 1.14  | 3   | PHG S3M-201-...  |
|         | 68              | 8.03         | 204  | 2.20  | 1.14  | 3   | PHG S3M-204-...  |
|         | 69              | 8.15         | 207  | 2.20  | 1.14  | 3   | PHG S3M-207-...  |
|         | 70              | 8.27         | 210  | 2.20  | 1.14  | 3   | PHG S3M-210-...  |
|         | 71              | 8.39         | 213  | 2.20  | 1.14  | 3   | PHG S3M-213-...  |
|         | 73              | 8.62         | 219  | 2.20  | 1.14  | 3   | PHG S3M-219-...  |
|         | 74              | 8.74         | 222  | 2.20  | 1.14  | 3   | PHG S3M-222-...  |
|         | 75              | 8.86         | 225  | 2.20  | 1.14  | 3   | PHG S3M-225-...  |
|         | 77              | 9.09         | 231  | 2.20  | 1.14  | 3   | PHG S3M-231-...  |
|         | 78              | 9.21         | 234  | 2.20  | 1.14  | 3   | PHG S3M-234-...  |
|         | 79              | 9.33         | 237  | 2.20  | 1.14  | 3   | PHG S3M-237-...  |
|         | 80              | 9.45         | 240  | 2.20  | 1.14  | 3   | PHG S3M-240-...  |
|         | 82              | 9.69         | 246  | 2.20  | 1.14  | 3   | PHG S3M-246-...  |
|         | 83              | 9.80         | 249  | 2.20  | 1.14  | 3   | PHG S3M-249-...  |
|         | 84              | 9.92         | 252  | 2.20  | 1.14  | 3   | PHG S3M-252-...  |
|         | 85              | 10.04        | 255  | 2.20  | 1.14  | 3   | PHG S3M-255-...  |
|         | 88              | 10.39        | 264  | 2.20  | 1.14  | 3   | PHG S3M-264-...  |
|         | 89              | 10.51        | 267  | 2.20  | 1.14  | 3   | PHG S3M-267-...  |
|         | 92              | 10.87        | 276  | 2.20  | 1.14  | 3   | PHG S3M-276-...  |
|         | 94              | 11.10        | 282  | 2.20  | 1.14  | 3   | PHG S3M-282-...  |
|         | 96              | 11.34        | 288  | 2.20  | 1.14  | 3   | PHG S3M-288-...  |
|         | 97              | 11.46        | 291  | 2.20  | 1.14  | 3   | PHG S3M-291-...  |
|         | 98              | 11.57        | 294  | 2.20  | 1.14  | 3   | PHG S3M-294-...  |
|         | 99              | 11.69        | 297  | 2.20  | 1.14  | 3   | PHG S3M-297-...  |
|         | 100             | 11.81        | 300  | 2.20  | 1.14  | 3   | PHG S3M-300-...  |
|         | 104             | 12.28        | 312  | 2.20  | 1.14  | 3   | PHG S3M-312-...  |
|         | 106             | 12.52        | 318  | 2.20  | 1.14  | 3   | PHG S3M-318-...  |
|         | 107             | 12.64        | 321  | 2.20  | 1.14  | 3   | PHG S3M-321-...  |
|         | 109             | 12.87        | 327  | 2.20  | 1.14  | 3   | PHG S3M-327-...  |
|         | 110             | 12.99        | 330  | 2.20  | 1.14  | 3   | PHG S3M-330-...  |
|         | 111             | 13.11        | 333  | 2.20  | 1.14  | 3   | PHG S3M-333-...  |
|         | 113             | 13.35        | 339  | 2.20  | 1.14  | 3   | PHG S3M-339-...  |
|         | 115             | 13.58        | 345  | 2.20  | 1.14  | 3   | PHG S3M-345-...  |
|         | 117             | 13.82        | 351  | 2.20  | 1.14  | 3   | PHG S3M-351-...  |
|         | 118             | 13.94        | 354  | 2.20  | 1.14  | 3   | PHG S3M-354-...  |
|         | 119             | 14.06        | 357  | 2.20  | 1.14  | 3   | PHG S3M-357-...  |
|         | 120             | 14.17        | 360  | 2.20  | 1.14  | 3   | PHG S3M-360-...  |
|         | 121             | 14.29        | 363  | 2.20  | 1.14  | 3   | PHG S3M-363-...  |
|         | 123             | 14.53        | 369  | 2.20  | 1.14  | 3   | PHG S3M-369-...  |
|         | 128             | 15.12        | 384  | 2.20  | 1.14  | 3   | PHG S3M-384-...  |
|         | 135             | 15.94        | 405  | 2.20  | 1.14  | 3   | PHG S3M-405-...  |

To complete designation add belt width in mm.  
Non-standard lengths may also be available.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.  
For polyurethane version, add "PU" to the profile type. For example: PHG S14MPU-1000-...

Super torque timing belts  
S3M | S4.5M | S5M



| Section | Number of teeth | Dimensions   |           | $h_1$ | $h_2$ | $p$ | Designation       |
|---------|-----------------|--------------|-----------|-------|-------|-----|-------------------|
|         |                 | Pitch length |           |       |       |     |                   |
|         |                 | <i>in.</i>   | <i>mm</i> |       |       |     |                   |
| S3M     | 136             | 16.06        | 408       | 2.20  | 1.14  | 3   | PHG S3M-408-...   |
|         | 139             | 16.42        | 417       | 2.20  | 1.14  | 3   | PHG S3M-417-...   |
|         | 140             | 16.54        | 420       | 2.20  | 1.14  | 3   | PHG S3M-420-...   |
|         | 144             | 17.01        | 432       | 2.20  | 1.14  | 3   | PHG S3M-432-...   |
|         | 149             | 17.60        | 447       | 2.20  | 1.14  | 3   | PHG S3M-447-...   |
|         | 151             | 17.83        | 453       | 2.20  | 1.14  | 3   | PHG S3M-453-...   |
|         | 153             | 18.07        | 459       | 2.20  | 1.14  | 3   | PHG S3M-459-...   |
|         | 155             | 18.31        | 465       | 2.20  | 1.14  | 3   | PHG S3M-465-...   |
|         | 156             | 18.43        | 468       | 2.20  | 1.14  | 3   | PHG S3M-468-...   |
|         | 162             | 19.13        | 486       | 2.20  | 1.14  | 3   | PHG S3M-486-...   |
|         | 167             | 19.72        | 501       | 2.20  | 1.14  | 3   | PHG S3M-501-...   |
|         | 168             | 19.84        | 504       | 2.20  | 1.14  | 3   | PHG S3M-504-...   |
|         | 169             | 19.96        | 507       | 2.20  | 1.14  | 3   | PHG S3M-507-...   |
|         | 179             | 21.14        | 537       | 2.20  | 1.14  | 3   | PHG S3M-537-...   |
|         | 188             | 22.20        | 564       | 2.20  | 1.14  | 3   | PHG S3M-564-...   |
|         | 191             | 22.56        | 573       | 2.20  | 1.14  | 3   | PHG S3M-573-...   |
|         | 195             | 23.03        | 585       | 2.20  | 1.14  | 3   | PHG S3M-585-...   |
|         | 199             | 23.50        | 597       | 2.20  | 1.14  | 3   | PHG S3M-597-...   |
|         | 202             | 23.86        | 606       | 2.20  | 1.14  | 3   | PHG S3M-606-...   |
|         | 207             | 24.45        | 621       | 2.20  | 1.14  | 3   | PHG S3M-621-...   |
|         | 211             | 24.92        | 633       | 2.20  | 1.14  | 3   | PHG S3M-633-...   |
|         | 212             | 25.04        | 636       | 2.20  | 1.14  | 3   | PHG S3M-636-...   |
|         | 217             | 25.63        | 651       | 2.20  | 1.14  | 3   | PHG S3M-651-...   |
|         | 219             | 25.87        | 657       | 2.20  | 1.14  | 3   | PHG S3M-657-...   |
|         | 220             | 25.98        | 660       | 2.20  | 1.14  | 3   | PHG S3M-660-...   |
|         | 222             | 26.22        | 666       | 2.20  | 1.14  | 3   | PHG S3M-666-...   |
|         | 230             | 27.17        | 690       | 2.20  | 1.14  | 3   | PHG S3M-690-...   |
|         | 233             | 27.52        | 699       | 2.20  | 1.14  | 3   | PHG S3M-699-...   |
|         | 238             | 28.11        | 714       | 2.20  | 1.14  | 3   | PHG S3M-714-...   |
|         | 240             | 29.53        | 750       | 2.20  | 1.14  | 3   | PHG S3M-750-...   |
|         | 268             | 31.65        | 804       | 2.20  | 1.14  | 3   | PHG S3M-804-...   |
|         | 298             | 35.20        | 894       | 2.20  | 1.14  | 3   | PHG S3M-894-...   |
|         | 350             | 41.34        | 1050      | 2.20  | 1.14  | 3   | PHG S3M-1050-...  |
|         | 375             | 44.29        | 1125      | 2.20  | 1.14  | 3   | PHG S3M-1125-...  |
|         | 474             | 55.98        | 1422      | 2.20  | 1.14  | 3   | PHG S3M-1422-...  |
|         | 532             | 62.83        | 1596      | 2.20  | 1.14  | 3   | PHG S3M-1596-...  |
|         | 1 465           | 173.03       | 4 395     | 2.20  | 1.14  | 3   | PHG S3M-4395-...  |
|         | 1 568           | 185.20       | 4 704     | 2.20  | 1.14  | 3   | PHG S3M-4704-...  |
|         | 2 170           | 256.30       | 6 510     | 2.20  | 1.14  | 3   | PHG S3M-6510-...  |
| S4.5M   | 40              | 7.09         | 180       | 2.81  | 1.71  | 4.5 | PHG S4.5M-180-... |
|         | 44              | 7.80         | 198       | 2.81  | 1.71  | 4.5 | PHG S4.5M-198-... |
|         | 50              | 8.86         | 225       | 2.81  | 1.71  | 4.5 | PHG S4.5M-225-... |
|         | 53              | 9.41         | 239       | 2.81  | 1.71  | 4.5 | PHG S4.5M-239-... |
|         | 56              | 9.92         | 252       | 2.81  | 1.71  | 4.5 | PHG S4.5M-252-... |
|         | 61              | 10.83        | 275       | 2.81  | 1.71  | 4.5 | PHG S4.5M-275-... |
|         | 62              | 10.98        | 279       | 2.81  | 1.71  | 4.5 | PHG S4.5M-279-... |
|         | 63              | 11.18        | 284       | 2.81  | 1.71  | 4.5 | PHG S4.5M-284-... |
|         | 66              | 11.69        | 297       | 2.81  | 1.71  | 4.5 | PHG S4.5M-297-... |
|         | 70              | 12.40        | 315       | 2.81  | 1.71  | 4.5 | PHG S4.5M-315-... |
|         | 73              | 12.95        | 329       | 2.81  | 1.71  | 4.5 | PHG S4.5M-329-... |
|         | 74              | 13.11        | 333       | 2.81  | 1.71  | 4.5 | PHG S4.5M-333-... |
|         | 75              | 13.31        | 338       | 2.81  | 1.71  | 4.5 | PHG S4.5M-338-... |
|         | 76              | 13.46        | 342       | 2.81  | 1.71  | 4.5 | PHG S4.5M-342-... |
|         | 78              | 13.82        | 351       | 2.81  | 1.71  | 4.5 | PHG S4.5M-351-... |
| S5M     | 80              | 14.17        | 360       | 2.81  | 1.71  | 4.5 | PHG S4.5M-360-... |
|         | 82              | 14.53        | 369       | 2.81  | 1.71  | 4.5 | PHG S4.5M-369-... |
|         | 84              | 15.04        | 382       | 2.81  | 1.71  | 4.5 | PHG S4.5M-382-... |
|         | 86              | 15.24        | 387       | 2.81  | 1.71  | 4.5 | PHG S4.5M-387-... |
|         | 88              | 15.59        | 396       | 2.81  | 1.71  | 4.5 | PHG S4.5M-396-... |
|         | 92              | 16.30        | 414       | 2.81  | 1.71  | 4.5 | PHG S4.5M-414-... |
|         | 97              | 17.20        | 437       | 2.81  | 1.71  | 4.5 | PHG S4.5M-437-... |
|         | 100             | 17.72        | 450       | 2.81  | 1.71  | 4.5 | PHG S4.5M-450-... |
|         | 112             | 19.84        | 504       | 2.81  | 1.71  | 4.5 | PHG S4.5M-504-... |
|         | 124             | 21.97        | 558       | 2.81  | 1.71  | 4.5 | PHG S4.5M-558-... |
|         | 125             | 22.17        | 563       | 2.81  | 1.71  | 4.5 | PHG S4.5M-563-... |
|         | 140             | 24.80        | 630       | 2.81  | 1.71  | 4.5 | PHG S4.5M-630-... |
|         | 145             | 25.71        | 653       | 2.81  | 1.71  | 4.5 | PHG S4.5M-653-... |
|         | 158             | 27.99        | 711       | 2.81  | 1.71  | 4.5 | PHG S4.5M-711-... |
|         | 192             | 34.02        | 864       | 2.81  | 1.71  | 4.5 | PHG S4.5M-864-... |
| S5M     | 201             | 35.63        | 905       | 2.81  | 1.71  | 4.5 | PHG S4.5M-905-... |
|         | 207             | 36.69        | 932       | 2.81  | 1.71  | 4.5 | PHG S4.5M-932-... |
|         | 30              | 5.91         | 150       | 3.41  | 1.91  | 5   | PHG S5M-150-...   |
|         | 40              | 7.87         | 200       | 3.41  | 1.91  | 5   | PHG S5M-200-...   |
|         | 50              | 9.84         | 250       | 3.41  | 1.91  | 5   | PHG S5M-250-...   |
|         | 51              | 10.04        | 255       | 3.41  | 1.91  | 5   | PHG S5M-255-...   |
|         | 53              | 10.43        | 265       | 3.41  | 1.91  | 5   | PHG S5M-265-...   |
|         | 54              | 10.63        | 270       | 3.41  | 1.91  | 5   | PHG S5M-270-...   |
|         | 57              | 11.22        | 285       | 3.41  | 1.91  | 5   | PHG S5M-285-...   |
|         | 59              | 11.61        | 295       | 3.41  | 1.91  | 5   | PHG S5M-295-...   |
|         | 64              | 12.60        | 320       | 3.41  | 1.91  | 5   | PHG S5M-320-...   |
|         | 65              | 12.80        | 325       | 3.41  | 1.91  | 5   | PHG S5M-325-...   |
|         | 69              | 13.58        | 345       | 3.41  | 1.91  | 5   | PHG S5M-345-...   |
|         | 70              | 13.78        | 350       | 3.41  | 1.91  | 5   | PHG S5M-350-...   |
|         | 75              | 14.76        | 375       | 3.41  | 1.91  | 5   | PHG S5M-375-...   |
| S5M     | 78              | 15.35        | 390       | 3.41  | 1.91  | 5   | PHG S5M-390-...   |
|         | 80              | 15.75        | 400       | 3.41  | 1.91  | 5   | PHG S5M-400-...   |
|         | 82              | 16.14        | 410       | 3.41  | 1.91  | 5   | PHG S5M-410-...   |
|         | 85              | 16.73        | 425       | 3.41  | 1.91  | 5   | PHG S5M-425-...   |
|         | 90              | 17.72        | 450       | 3.41  | 1.91  | 5   | PHG S5M-450-...   |
|         | 95              | 18.70        | 475       | 3.41  | 1.91  | 5   | PHG S5M-475-...   |
|         | 98              | 19.29        | 490       | 3.41  | 1.91  | 5   | PHG S5M-490-...   |
|         | 100             | 19.69        | 500       | 3.41  | 1.91  | 5   | PHG S5M-500-...   |
|         | 104             | 20.47        | 520       | 3.41  | 1.91  | 5   | PHG S5M-520-...   |
|         | 105             | 20.67        | 525       | 3.41  | 1.91  | 5   | PHG S5M-525-...   |
|         | 112             | 22.05        | 560       | 3.41  | 1.91  | 5   | PHG S5M-560-...   |
|         | 113             | 22.24        | 565       | 3.41  | 1.91  | 5   | PHG S5M-565-...   |

To complete designation add belt width in mm.  
Non-standard lengths may also be available.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.  
For polyurethane version, add "PU" to the profile type. For example: PHG S14MPU-1000-...

## Super torque timing belts

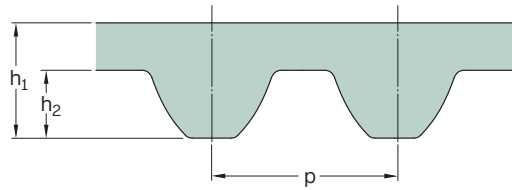
### S5M | S8M

| Section | Number of teeth | Dimensions   |      | Designation |       |     | Section | Number of teeth | Dimensions   |      | Designation |       |     |
|---------|-----------------|--------------|------|-------------|-------|-----|---------|-----------------|--------------|------|-------------|-------|-----|
|         |                 | Pitch length |      | $h_1$       | $h_2$ | $p$ |         |                 | Pitch length |      | $h_1$       | $h_2$ | $p$ |
| –       | –               | in.          | mm   | –           | –     | –   | –       | –               | in.          | mm   | –           | –     | –   |
| S5M     | 115             | 22.64        | 575  | 3.41        | 1.91  | 5   | S8M     | 118             | 37.17        | 944  | 5.30        | 3.05  | 8   |
|         | 120             | 23.62        | 600  | 3.41        | 1.91  | 5   |         | 120             | 37.80        | 960  | 5.30        | 3.05  | 8   |
|         | 125             | 24.61        | 625  | 3.41        | 1.91  | 5   |         | 122             | 38.43        | 976  | 5.30        | 3.05  | 8   |
|         | 130             | 25.59        | 650  | 3.41        | 1.91  | 5   |         | 123             | 38.74        | 984  | 5.30        | 3.05  | 8   |
|         | 133             | 26.18        | 665  | 3.41        | 1.91  | 5   |         | 124             | 39.06        | 992  | 5.30        | 3.05  | 8   |
|         | 134             | 26.38        | 670  | 3.41        | 1.91  | 5   |         | 125             | 39.37        | 1000 | 5.30        | 3.05  | 8   |
|         | 135             | 26.57        | 675  | 3.41        | 1.91  | 5   |         | 126             | 39.69        | 1008 | 5.30        | 3.05  | 8   |
|         | 140             | 27.56        | 700  | 3.41        | 1.91  | 5   |         | 129             | 40.63        | 1032 | 5.30        | 3.05  | 8   |
|         | 150             | 29.53        | 750  | 3.41        | 1.91  | 5   |         | 130             | 40.94        | 1040 | 5.30        | 3.05  | 8   |
|         | 153             | 30.12        | 765  | 3.41        | 1.91  | 5   |         | 132             | 41.57        | 1056 | 5.30        | 3.05  | 8   |
|         | 156             | 30.71        | 780  | 3.41        | 1.91  | 5   |         | 133             | 41.89        | 1064 | 5.30        | 3.05  | 8   |
|         | 160             | 31.50        | 800  | 3.41        | 1.91  | 5   |         | 135             | 42.52        | 1080 | 5.30        | 3.05  | 8   |
|         | 162             | 31.89        | 810  | 3.41        | 1.91  | 5   |         | 137             | 43.15        | 1096 | 5.30        | 3.05  | 8   |
|         | 165             | 32.48        | 825  | 3.41        | 1.91  | 5   |         | 138             | 43.46        | 1104 | 5.30        | 3.05  | 8   |
|         | 166             | 32.68        | 830  | 3.41        | 1.91  | 5   |         | 140             | 44.09        | 1120 | 5.30        | 3.05  | 8   |
|         | 170             | 33.46        | 850  | 3.41        | 1.91  | 5   |         | 141             | 44.41        | 1128 | 5.30        | 3.05  | 8   |
|         | 178             | 35.04        | 890  | 3.41        | 1.91  | 5   |         | 142             | 44.72        | 1136 | 5.30        | 3.05  | 8   |
|         | 180             | 35.43        | 900  | 3.41        | 1.91  | 5   |         | 143             | 45.04        | 1144 | 5.30        | 3.05  | 8   |
|         | 190             | 37.40        | 950  | 3.41        | 1.91  | 5   |         | 144             | 45.35        | 1152 | 5.30        | 3.05  | 8   |
|         | 195             | 38.39        | 975  | 3.41        | 1.91  | 5   |         | 145             | 45.67        | 1160 | 5.30        | 3.05  | 8   |
|         | 200             | 39.37        | 1000 | 3.41        | 1.91  | 5   |         | 146             | 45.98        | 1168 | 5.30        | 3.05  | 8   |
|         | 210             | 41.34        | 1050 | 3.41        | 1.91  | 5   |         | 148             | 46.61        | 1184 | 5.30        | 3.05  | 8   |
|         | 220             | 43.31        | 1100 | 3.41        | 1.91  | 5   |         | 149             | 46.93        | 1192 | 5.30        | 3.05  | 8   |
|         | 225             | 44.29        | 1125 | 3.41        | 1.91  | 5   |         | 150             | 47.24        | 1200 | 5.30        | 3.05  | 8   |
|         | 229             | 45.08        | 1145 | 3.41        | 1.91  | 5   |         | 151             | 47.56        | 1208 | 5.30        | 3.05  | 8   |
|         | 245             | 48.23        | 1225 | 3.41        | 1.91  | 5   |         | 152             | 47.87        | 1216 | 5.30        | 3.05  | 8   |
|         | 254             | 50.00        | 1270 | 3.41        | 1.91  | 5   |         | 153             | 48.19        | 1224 | 5.30        | 3.05  | 8   |
|         | 270             | 53.15        | 1350 | 3.41        | 1.91  | 5   |         | 155             | 48.82        | 1240 | 5.30        | 3.05  | 8   |
|         | 360             | 70.87        | 1800 | 3.41        | 1.91  | 5   |         | 156             | 49.13        | 1248 | 5.30        | 3.05  | 8   |
|         | 400             | 78.74        | 2000 | 3.41        | 1.91  | 5   |         | 157             | 49.45        | 1256 | 5.30        | 3.05  | 8   |
|         | 614             | 120.87       | 3070 | 3.41        | 1.91  | 5   |         | 158             | 49.76        | 1264 | 5.30        | 3.05  | 8   |
|         | 800             | 157.48       | 4000 | 3.41        | 1.91  | 5   |         | 160             | 50.39        | 1280 | 5.30        | 3.05  | 8   |
| S8M     | 47              | 14.80        | 376  | 5.30        | 3.05  | 8   |         | 162             | 51.02        | 1296 | 5.30        | 3.05  | 8   |
|         | 48              | 15.12        | 384  | 5.30        | 3.05  | 8   |         | 163             | 51.34        | 1304 | 5.30        | 3.05  | 8   |
|         | 49              | 15.43        | 392  | 5.30        | 3.05  | 8   |         | 164             | 51.65        | 1312 | 5.30        | 3.05  | 8   |
|         | 55              | 17.32        | 440  | 5.30        | 3.05  | 8   |         | 165             | 51.97        | 1320 | 5.30        | 3.05  | 8   |
|         | 60              | 18.90        | 480  | 5.30        | 3.05  | 8   |         | 168             | 52.91        | 1344 | 5.30        | 3.05  | 8   |
|         | 62              | 19.53        | 496  | 5.30        | 3.05  | 8   |         | 169             | 53.23        | 1352 | 5.30        | 3.05  | 8   |
|         | 64              | 20.16        | 512  | 5.30        | 3.05  | 8   |         | 170             | 53.54        | 1360 | 5.30        | 3.05  | 8   |
|         | 65              | 20.47        | 520  | 5.30        | 3.05  | 8   |         | 173             | 54.49        | 1384 | 5.30        | 3.05  | 8   |
|         | 66              | 20.79        | 528  | 5.30        | 3.05  | 8   |         | 174             | 54.80        | 1392 | 5.30        | 3.05  | 8   |
|         | 67              | 21.10        | 536  | 5.30        | 3.05  | 8   |         | 175             | 55.12        | 1400 | 5.30        | 3.05  | 8   |
|         | 70              | 22.05        | 560  | 5.30        | 3.05  | 8   |         | 178             | 56.06        | 1424 | 5.30        | 3.05  | 8   |
|         | 73              | 22.99        | 584  | 5.30        | 3.05  | 8   |         | 179             | 56.38        | 1432 | 5.30        | 3.05  | 8   |
|         | 75              | 23.62        | 600  | 5.30        | 3.05  | 8   |         | 180             | 56.69        | 1440 | 5.30        | 3.05  | 8   |
|         | 79              | 24.88        | 632  | 5.30        | 3.05  | 8   |         | 185             | 58.27        | 1480 | 5.30        | 3.05  | 8   |
|         | 80              | 25.20        | 640  | 5.30        | 3.05  | 8   |         | 189             | 59.53        | 1512 | 5.30        | 3.05  | 8   |
|         | 82              | 25.83        | 656  | 5.30        | 3.05  | 8   |         | 191             | 60.16        | 1528 | 5.30        | 3.05  | 8   |
|         | 85              | 26.77        | 680  | 5.30        | 3.05  | 8   |         | 192             | 60.47        | 1536 | 5.30        | 3.05  | 8   |
|         | 86              | 27.09        | 688  | 5.30        | 3.05  | 8   |         | 193             | 60.79        | 1544 | 5.30        | 3.05  | 8   |
|         | 89              | 28.03        | 712  | 5.30        | 3.05  | 8   |         | 194             | 61.10        | 1552 | 5.30        | 3.05  | 8   |
|         | 90              | 28.35        | 720  | 5.30        | 3.05  | 8   |         | 200             | 62.99        | 1600 | 5.30        | 3.05  | 8   |
|         | 91              | 28.66        | 728  | 5.30        | 3.05  | 8   |         | 203             | 63.94        | 1624 | 5.30        | 3.05  | 8   |
|         | 95              | 29.92        | 760  | 5.30        | 3.05  | 8   |         | 204             | 64.25        | 1632 | 5.30        | 3.05  | 8   |
|         | 96              | 30.24        | 768  | 5.30        | 3.05  | 8   |         | 206             | 64.88        | 1648 | 5.30        | 3.05  | 8   |
|         | 98              | 30.87        | 784  | 5.30        | 3.05  | 8   |         | 209             | 65.83        | 1672 | 5.30        | 3.05  | 8   |
|         | 100             | 31.50        | 800  | 5.30        | 3.05  | 8   |         | 210             | 66.14        | 1680 | 5.30        | 3.05  | 8   |
|         | 103             | 32.44        | 824  | 5.30        | 3.05  | 8   |         | 212             | 66.77        | 1696 | 5.30        | 3.05  | 8   |
|         | 105             | 33.07        | 840  | 5.30        | 3.05  | 8   |         | 216             | 68.03        | 1728 | 5.30        | 3.05  | 8   |
|         | 106             | 33.39        | 848  | 5.30        | 3.05  | 8   |         | 220             | 69.29        | 1760 | 5.30        | 3.05  | 8   |
|         | 108             | 34.02        | 864  | 5.30        | 3.05  | 8   |         | 222             | 69.92        | 1776 | 5.30        | 3.05  | 8   |
|         | 109             | 34.33        | 872  | 5.30        | 3.05  | 8   |         | 225             | 70.87        | 1800 | 5.30        | 3.05  | 8   |
|         | 110             | 34.65        | 880  | 5.30        | 3.05  | 8   |         | 239             | 75.28        | 1912 | 5.30        | 3.05  | 8   |
|         | 112             | 35.28        | 896  | 5.30        | 3.05  | 8   |         | 250             | 78.74        | 2000 | 5.30        | 3.05  | 8   |
|         | 114             | 35.91        | 912  | 5.30        | 3.05  | 8   |         | 253             | 79.69        | 2024 | 5.30        | 3.05  | 8   |
|         | 115             | 36.22        | 920  | 5.30        | 3.05  | 8   |         | 254             | 80.00        | 2032 | 5.30        | 3.05  | 8   |
|         | 116             | 36.54        | 928  | 5.30        | 3.05  | 8   |         | 256             | 80.63        | 2048 | 5.30        | 3.05  | 8   |
|         |                 |              |      |             |       |     |         | 263             | 82.83        | 2104 | 5.30        | 3.05  | 8   |
|         |                 |              |      |             |       |     |         | 280             | 88.19        | 2240 | 5.30        | 3.05  | 8   |
|         |                 |              |      |             |       |     |         | 284             | 89.45        | 2272 | 5.30        | 3.05  | 8   |

To complete designation add belt width in mm.  
Non-standard lengths may also be available.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.  
For polyurethane version, add "PU" to the profile type. For example: PHG S14MPU-1000-...

# Super torque timing belts

## S8M | S14M



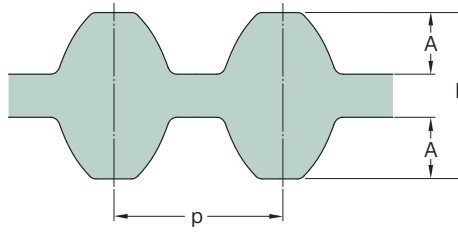
| Section | Number of teeth | Dimensions   |       | h <sub>1</sub> | h <sub>2</sub> | p    | Designation       |                   |
|---------|-----------------|--------------|-------|----------------|----------------|------|-------------------|-------------------|
|         |                 | Pitch length |       |                |                |      |                   |                   |
| —       | —               | in.          | mm    |                |                |      | —                 |                   |
| S8M     | 288             | 90.71        | 2 304 | 5.30           | 3.05           | 8    | PHG S8M-2304-...  |                   |
|         | 300             | 94.49        | 2 400 | 5.30           | 3.05           | 8    | PHG S8M-2400-...  |                   |
|         | 304             | 95.75        | 2 432 | 5.30           | 3.05           | 8    | PHG S8M-2432-...  |                   |
|         | 312             | 98.27        | 2 496 | 5.30           | 3.05           | 8    | PHG S8M-2496-...  |                   |
|         | 317             | 99.84        | 2 536 | 5.30           | 3.05           | 8    | PHG S8M-2536-...  |                   |
|         | 320             | 100.79       | 2 560 | 5.30           | 3.05           | 8    | PHG S8M-2560-...  |                   |
|         | 325             | 102.36       | 2 600 | 5.30           | 3.05           | 8    | PHG S8M-2600-...  |                   |
|         | 350             | 110.24       | 2 800 | 5.30           | 3.05           | 8    | PHG S8M-2800-...  |                   |
|         | 356             | 112.13       | 2 848 | 5.30           | 3.05           | 8    | PHG S8M-2848-...  |                   |
|         | 360             | 113.39       | 2 880 | 5.30           | 3.05           | 8    | PHG S8M-2880-...  |                   |
|         | 375             | 118.11       | 3 000 | 5.30           | 3.05           | 8    | PHG S8M-3000-...  |                   |
|         | 400             | 125.98       | 3 200 | 5.30           | 3.05           | 8    | PHG S8M-3200-...  |                   |
|         | 450             | 141.73       | 3 600 | 5.30           | 3.05           | 8    | PHG S8M-3600-...  |                   |
|         | 465             | 146.46       | 3 720 | 5.30           | 3.05           | 8    | PHG S8M-3720-...  |                   |
|         | 500             | 157.48       | 4 000 | 5.30           | 3.05           | 8    | PHG S8M-4000-...  |                   |
|         | 585             | 184.25       | 4 680 | 5.30           | 3.05           | 8    | PHG S8M-4680-...  |                   |
|         | 617             | 194.33       | 4 936 | 5.30           | 3.05           | 8    | PHG S8M-4936-...  |                   |
|         | 635             | 200.00       | 5 080 | 5.30           | 3.05           | 8    | PHG S8M-5080-...  |                   |
|         | 700             | 220.47       | 5 600 | 5.30           | 3.05           | 8    | PHG S8M-5600-...  |                   |
|         | 712             | 224.25       | 5 696 | 5.30           | 3.05           | 8    | PHG S8M-5696-...  |                   |
|         | 830             | 261.42       | 6 640 | 5.30           | 3.05           | 8    | PHG S8M-6640-...  |                   |
|         | S14M            | 51           | 28.11 | 714            | 10.20          | 5.30 | 14                | PHG S14M-714-...  |
|         |                 | 72           | 39.69 | 1 008          | 10.20          | 5.30 | 14                | PHG S14M-1008-... |
|         |                 | 74           | 40.79 | 1 036          | 10.20          | 5.30 | 14                | PHG S14M-1036-... |
|         |                 | 80           | 44.09 | 1 120          | 10.20          | 5.30 | 14                | PHG S14M-1120-... |
|         |                 | 85           | 46.85 | 1 190          | 10.20          | 5.30 | 14                | PHG S14M-1190-... |
|         |                 | 89           | 49.06 | 1 246          | 10.20          | 5.30 | 14                | PHG S14M-1246-... |
|         |                 | 100          | 55.12 | 1 400          | 10.20          | 5.30 | 14                | PHG S14M-1400-... |
|         |                 | 104          | 57.32 | 1 456          | 10.20          | 5.30 | 14                | PHG S14M-1456-... |
|         |                 | 110          | 60.63 | 1 540          | 10.20          | 5.30 | 14                | PHG S14M-1540-... |
| 115     |                 | 63.39        | 1 610 | 10.20          | 5.30           | 14   | PHG S14M-1610-... |                   |
| 118     |                 | 65.04        | 1 652 | 10.20          | 5.30           | 14   | PHG S14M-1652-... |                   |
| 125     |                 | 68.90        | 1 750 | 10.20          | 5.30           | 14   | PHG S14M-1750-... |                   |
| 129     |                 | 71.10        | 1 806 | 10.20          | 5.30           | 14   | PHG S14M-1806-... |                   |
| 135     |                 | 74.41        | 1 890 | 10.20          | 5.30           | 14   | PHG S14M-1890-... |                   |
| 140     |                 | 77.17        | 1 960 | 10.20          | 5.30           | 14   | PHG S14M-1960-... |                   |
| 143     |                 | 78.82        | 2 002 | 10.20          | 5.30           | 14   | PHG S14M-2002-... |                   |
| 150     |                 | 82.68        | 2 100 | 10.20          | 5.30           | 14   | PHG S14M-2100-... |                   |
| 157     |                 | 86.54        | 2 198 | 10.20          | 5.30           | 14   | PHG S14M-2198-... |                   |
| 160     |                 | 88.19        | 2 240 | 10.20          | 5.30           | 14   | PHG S14M-2240-... |                   |
| 165     |                 | 90.94        | 2 310 | 10.20          | 5.30           | 14   | PHG S14M-2310-... |                   |
| 170     |                 | 93.70        | 2 380 | 10.20          | 5.30           | 14   | PHG S14M-2380-... |                   |
| 175     |                 | 96.46        | 2 450 | 10.20          | 5.30           | 14   | PHG S14M-2450-... |                   |
| 185     |                 | 101.97       | 2 590 | 10.20          | 5.30           | 14   | PHG S14M-2590-... |                   |
| 190     |                 | 104.72       | 2 660 | 10.20          | 5.30           | 14   | PHG S14M-2660-... |                   |
| 200     |                 | 110.24       | 2 800 | 10.20          | 5.30           | 14   | PHG S14M-2800-... |                   |

| Section | Number of teeth | Dimensions   |       |       |       |    | Designation       |
|---------|-----------------|--------------|-------|-------|-------|----|-------------------|
|         |                 | Pitch length |       | $h_1$ | $h_2$ | p  |                   |
| —       | —               | <i>in.</i>   | mm    |       |       |    | —                 |
| S14M    | 201             | 110.79       | 2 814 | 10.20 | 5.30  | 14 | PHG S14M-2814-... |
|         | 225             | 124.02       | 3 150 | 10.20 | 5.30  | 14 | PHG S14M-3150-... |
|         | 250             | 137.80       | 3 500 | 10.20 | 5.30  | 14 | PHG S14M-3500-... |
|         | 275             | 151.57       | 3 850 | 10.20 | 5.30  | 14 | PHG S14M-3850-... |
|         | 286             | 157.64       | 4 004 | 10.20 | 5.30  | 14 | PHG S14M-4004-... |
|         | 315             | 173.62       | 4 410 | 10.20 | 5.30  | 14 | PHG S14M-4410-... |
|         | 322             | 177.48       | 4 508 | 10.20 | 5.30  | 14 | PHG S14M-4508-... |
|         | 358             | 197.32       | 5 012 | 10.20 | 5.30  | 14 | PHG S14M-5012-... |

To complete designation add belt width in mm.  
 Non-standard lengths may also be available.  
 Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.  
 For polyurethane version, add "PU" to the profile type. For example: PHG S14MPU-1000-...

# Double-sided super torque timing belts

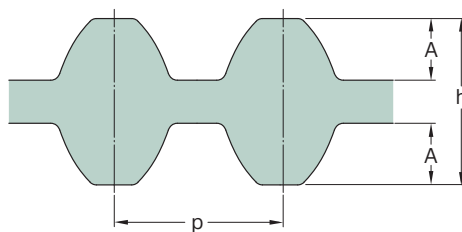
## DS5M | DS8M



| Section | Number of teeth per side | Dimensions   |              | h    | A    | p | Designation       | Section | Number of teeth | Dimensions   |              | h    | A    | p | Designation       |
|---------|--------------------------|--------------|--------------|------|------|---|-------------------|---------|-----------------|--------------|--------------|------|------|---|-------------------|
|         |                          | Pitch length | Pitch length |      |      |   |                   |         |                 | Pitch length | Pitch length |      |      |   |                   |
| –       | –                        | in.          | mm           | –    | –    | – | –                 | –       | –               | in.          | mm           | –    | –    | – | –                 |
| DS5M    | 100                      | 19.69        | 500          | 4.96 | 1.91 | 5 | PHG DS5M-500-...  | DS8M    | 105             | 33.07        | 840          | 7.47 | 3.05 | 8 | PHG DS8M-840-...  |
|         | 104                      | 20.47        | 520          | 4.96 | 1.91 | 5 | PHG DS5M-520-...  |         | 106             | 33.39        | 848          | 7.47 | 3.05 | 8 | PHG DS8M-848-...  |
|         | 105                      | 20.67        | 525          | 4.96 | 1.91 | 5 | PHG DS5M-525-...  |         | 108             | 34.02        | 864          | 7.47 | 3.05 | 8 | PHG DS8M-864-...  |
|         | 112                      | 22.05        | 560          | 4.96 | 1.91 | 5 | PHG DS5M-560-...  |         | 109             | 34.33        | 872          | 7.47 | 3.05 | 8 | PHG DS8M-872-...  |
|         | 113                      | 22.24        | 565          | 4.96 | 1.91 | 5 | PHG DS5M-565-...  |         | 110             | 34.65        | 880          | 7.47 | 3.05 | 8 | PHG DS8M-880-...  |
|         | 115                      | 22.64        | 575          | 4.96 | 1.91 | 5 | PHG DS5M-575-...  |         | 112             | 35.28        | 896          | 7.47 | 3.05 | 8 | PHG DS8M-896-...  |
|         | 120                      | 23.62        | 600          | 4.96 | 1.91 | 5 | PHG DS5M-600-...  |         | 114             | 35.91        | 912          | 7.47 | 3.05 | 8 | PHG DS8M-912-...  |
|         | 125                      | 24.61        | 625          | 4.96 | 1.91 | 5 | PHG DS5M-625-...  |         | 115             | 36.22        | 920          | 7.47 | 3.05 | 8 | PHG DS8M-920-...  |
|         | 130                      | 25.59        | 650          | 4.96 | 1.91 | 5 | PHG DS5M-650-...  |         | 116             | 36.54        | 928          | 7.47 | 3.05 | 8 | PHG DS8M-928-...  |
|         | 133                      | 26.18        | 665          | 4.96 | 1.91 | 5 | PHG DS5M-665-...  |         | 118             | 37.17        | 944          | 7.47 | 3.05 | 8 | PHG DS8M-944-...  |
|         | 134                      | 26.38        | 670          | 4.96 | 1.91 | 5 | PHG DS5M-670-...  |         | 120             | 37.80        | 960          | 7.47 | 3.05 | 8 | PHG DS8M-960-...  |
|         | 135                      | 26.57        | 675          | 4.96 | 1.91 | 5 | PHG DS5M-675-...  |         | 122             | 38.43        | 976          | 7.47 | 3.05 | 8 | PHG DS8M-976-...  |
|         | 140                      | 27.56        | 700          | 4.96 | 1.91 | 5 | PHG DS5M-700-...  |         | 123             | 38.74        | 984          | 7.47 | 3.05 | 8 | PHG DS8M-984-...  |
|         | 150                      | 29.53        | 750          | 4.96 | 1.91 | 5 | PHG DS5M-750-...  |         | 124             | 39.06        | 992          | 7.47 | 3.05 | 8 | PHG DS8M-992-...  |
|         | 153                      | 30.12        | 765          | 4.96 | 1.91 | 5 | PHG DS5M-765-...  |         | 125             | 39.37        | 1000         | 7.47 | 3.05 | 8 | PHG DS8M-1000-... |
|         | 156                      | 30.71        | 780          | 4.96 | 1.91 | 5 | PHG DS5M-780-...  |         | 126             | 39.69        | 1008         | 7.47 | 3.05 | 8 | PHG DS8M-1008-... |
|         | 160                      | 31.50        | 800          | 4.96 | 1.91 | 5 | PHG DS5M-800-...  |         | 129             | 40.63        | 1032         | 7.47 | 3.05 | 8 | PHG DS8M-1032-... |
|         | 162                      | 31.89        | 810          | 4.96 | 1.91 | 5 | PHG DS5M-810-...  |         | 130             | 40.94        | 1040         | 7.47 | 3.05 | 8 | PHG DS8M-1040-... |
|         | 165                      | 32.48        | 825          | 4.96 | 1.91 | 5 | PHG DS5M-825-...  |         | 132             | 41.57        | 1056         | 7.47 | 3.05 | 8 | PHG DS8M-1056-... |
|         | 166                      | 32.68        | 830          | 4.96 | 1.91 | 5 | PHG DS5M-830-...  |         | 133             | 41.89        | 1064         | 7.47 | 3.05 | 8 | PHG DS8M-1064-... |
|         | 170                      | 33.46        | 850          | 4.96 | 1.91 | 5 | PHG DS5M-850-...  |         | 135             | 42.52        | 1080         | 7.47 | 3.05 | 8 | PHG DS8M-1080-... |
|         | 178                      | 35.04        | 890          | 4.96 | 1.91 | 5 | PHG DS5M-890-...  |         | 137             | 43.15        | 1096         | 7.47 | 3.05 | 8 | PHG DS8M-1096-... |
|         | 180                      | 35.43        | 900          | 4.96 | 1.91 | 5 | PHG DS5M-900-...  |         | 138             | 43.46        | 1104         | 7.47 | 3.05 | 8 | PHG DS8M-1104-... |
|         | 190                      | 37.40        | 950          | 4.96 | 1.91 | 5 | PHG DS5M-950-...  |         | 140             | 44.09        | 1120         | 7.47 | 3.05 | 8 | PHG DS8M-1120-... |
|         | 195                      | 38.39        | 975          | 4.96 | 1.91 | 5 | PHG DS5M-975-...  |         | 141             | 44.41        | 1128         | 7.47 | 3.05 | 8 | PHG DS8M-1128-... |
|         | 200                      | 39.37        | 1000         | 4.96 | 1.91 | 5 | PHG DS5M-1000-... |         | 142             | 44.72        | 1136         | 7.47 | 3.05 | 8 | PHG DS8M-1136-... |
|         | 210                      | 41.34        | 1050         | 4.96 | 1.91 | 5 | PHG DS5M-1050-... |         | 143             | 45.04        | 1144         | 7.47 | 3.05 | 8 | PHG DS8M-1144-... |
|         | 220                      | 43.31        | 1100         | 4.96 | 1.91 | 5 | PHG DS5M-1100-... |         | 144             | 45.35        | 1152         | 7.47 | 3.05 | 8 | PHG DS8M-1152-... |
|         | 225                      | 44.29        | 1125         | 4.96 | 1.91 | 5 | PHG DS5M-1125-... |         | 145             | 45.67        | 1160         | 7.47 | 3.05 | 8 | PHG DS8M-1160-... |
|         | 229                      | 45.08        | 1145         | 4.96 | 1.91 | 5 | PHG DS5M-1145-... |         | 146             | 45.98        | 1168         | 7.47 | 3.05 | 8 | PHG DS8M-1168-... |
|         | 245                      | 48.23        | 1225         | 4.96 | 1.91 | 5 | PHG DS5M-1225-... |         | 148             | 46.61        | 1184         | 7.47 | 3.05 | 8 | PHG DS8M-1184-... |
|         | 254                      | 50.00        | 1270         | 4.96 | 1.91 | 5 | PHG DS5M-1270-... |         | 149             | 46.93        | 1192         | 7.47 | 3.05 | 8 | PHG DS8M-1192-... |
|         | 270                      | 53.15        | 1350         | 4.96 | 1.91 | 5 | PHG DS5M-1350-... |         | 150             | 47.24        | 1200         | 7.47 | 3.05 | 8 | PHG DS8M-1200-... |
| DS8M    | 64                       | 20.16        | 512          | 7.47 | 3.05 | 8 | PHG DS8M-512-...  |         | 151             | 47.56        | 1208         | 7.47 | 3.05 | 8 | PHG DS8M-1208-... |
|         | 65                       | 20.47        | 520          | 7.47 | 3.05 | 8 | PHG DS8M-520-...  |         | 152             | 47.87        | 1216         | 7.47 | 3.05 | 8 | PHG DS8M-1216-... |
|         | 66                       | 20.79        | 528          | 7.47 | 3.05 | 8 | PHG DS8M-528-...  |         | 153             | 48.19        | 1224         | 7.47 | 3.05 | 8 | PHG DS8M-1224-... |
|         | 67                       | 21.10        | 536          | 7.47 | 3.05 | 8 | PHG DS8M-536-...  |         | 155             | 48.82        | 1240         | 7.47 | 3.05 | 8 | PHG DS8M-1240-... |
|         | 70                       | 22.05        | 560          | 7.47 | 3.05 | 8 | PHG DS8M-560-...  |         | 156             | 49.13        | 1248         | 7.47 | 3.05 | 8 | PHG DS8M-1248-... |
|         | 73                       | 22.99        | 584          | 7.47 | 3.05 | 8 | PHG DS8M-584-...  |         | 157             | 49.45        | 1256         | 7.47 | 3.05 | 8 | PHG DS8M-1256-... |
|         | 75                       | 23.62        | 600          | 7.47 | 3.05 | 8 | PHG DS8M-600-...  |         | 158             | 49.76        | 1264         | 7.47 | 3.05 | 8 | PHG DS8M-1264-... |
|         | 79                       | 24.88        | 632          | 7.47 | 3.05 | 8 | PHG DS8M-632-...  |         | 160             | 50.39        | 1280         | 7.47 | 3.05 | 8 | PHG DS8M-1280-... |
|         | 80                       | 25.20        | 640          | 7.47 | 3.05 | 8 | PHG DS8M-640-...  |         | 162             | 51.02        | 1296         | 7.47 | 3.05 | 8 | PHG DS8M-1296-... |
|         | 82                       | 25.83        | 656          | 7.47 | 3.05 | 8 | PHG DS8M-656-...  |         | 163             | 51.34        | 1304         | 7.47 | 3.05 | 8 | PHG DS8M-1304-... |
|         | 85                       | 26.77        | 680          | 7.47 | 3.05 | 8 | PHG DS8M-680-...  |         | 164             | 51.65        | 1312         | 7.47 | 3.05 | 8 | PHG DS8M-1312-... |
|         | 86                       | 27.09        | 688          | 7.47 | 3.05 | 8 | PHG DS8M-688-...  |         | 165             | 51.97        | 1320         | 7.47 | 3.05 | 8 | PHG DS8M-1320-... |
|         | 89                       | 28.03        | 712          | 7.47 | 3.05 | 8 | PHG DS8M-712-...  |         | 168             | 52.91        | 1344         | 7.47 | 3.05 | 8 | PHG DS8M-1344-... |
|         | 90                       | 28.35        | 720          | 7.47 | 3.05 | 8 | PHG DS8M-720-...  |         | 169             | 53.23        | 1352         | 7.47 | 3.05 | 8 | PHG DS8M-1352-... |
|         | 91                       | 28.66        | 728          | 7.47 | 3.05 | 8 | PHG DS8M-728-...  |         | 170             | 53.54        | 1360         | 7.47 | 3.05 | 8 | PHG DS8M-1360-... |
|         | 95                       | 29.92        | 760          | 7.47 | 3.05 | 8 | PHG DS8M-760-...  |         | 173             | 54.49        | 1384         | 7.47 | 3.05 | 8 | PHG DS8M-1384-... |
|         | 96                       | 30.24        | 768          | 7.47 | 3.05 | 8 | PHG DS8M-768-...  |         | 174             | 54.80        | 1392         | 7.47 | 3.05 | 8 | PHG DS8M-1392-... |
|         | 98                       | 30.87        | 784          | 7.47 | 3.05 | 8 | PHG DS8M-784-...  |         |                 |              |              |      |      |   |                   |
|         | 100                      | 31.50        | 800          | 7.47 | 3.05 | 8 | PHG DS8M-800-...  |         |                 |              |              |      |      |   |                   |
|         | 103                      | 32.44        | 824          | 7.47 | 3.05 | 8 | PHG DS8M-824-...  |         |                 |              |              |      |      |   |                   |

To complete designation add belt width in mm.  
 Non-standard lengths may also be available.  
 Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.  
 For polyurethane version, add "PU" to the profile type. For example: PHG DS814MPU-6640-...

# Double-sided super torque timing belts DS8M

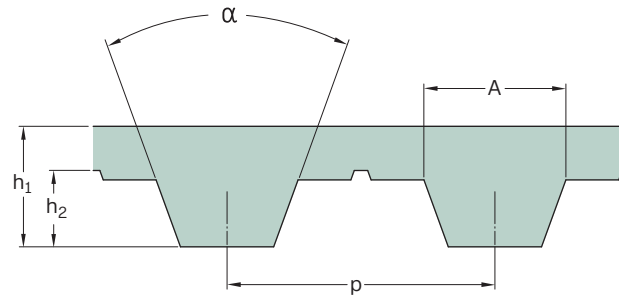


| Section | Number of teeth per side | Dimensions   |       | h    | A    | p | Designation       |
|---------|--------------------------|--------------|-------|------|------|---|-------------------|
|         |                          | Pitch length |       |      |      |   |                   |
| —       | —                        | in.          | mm    |      |      |   | —                 |
| DS8M    | 175                      | 55.12        | 1 400 | 7.47 | 3.05 | 8 | PHG DS8M-1400-... |
|         | 178                      | 56.06        | 1 424 | 7.47 | 3.05 | 8 | PHG DS8M-1424-... |
|         | 179                      | 56.38        | 1 432 | 7.47 | 3.05 | 8 | PHG DS8M-1432-... |
|         | 180                      | 56.69        | 1 440 | 7.47 | 3.05 | 8 | PHG DS8M-1440-... |
|         | 185                      | 58.27        | 1 480 | 7.47 | 3.05 | 8 | PHG DS8M-1480-... |
|         | 189                      | 59.53        | 1 512 | 7.47 | 3.05 | 8 | PHG DS8M-1512-... |
|         | 191                      | 60.16        | 1 528 | 7.47 | 3.05 | 8 | PHG DS8M-1528-... |
|         | 192                      | 60.47        | 1 536 | 7.47 | 3.05 | 8 | PHG DS8M-1536-... |
|         | 193                      | 60.79        | 1 544 | 7.47 | 3.05 | 8 | PHG DS8M-1544-... |
|         | 194                      | 61.10        | 1 552 | 7.47 | 3.05 | 8 | PHG DS8M-1552-... |
|         | 200                      | 62.99        | 1 600 | 7.47 | 3.05 | 8 | PHG DS8M-1600-... |
|         | 203                      | 63.94        | 1 624 | 7.47 | 3.05 | 8 | PHG DS8M-1624-... |
|         | 204                      | 64.25        | 1 632 | 7.47 | 3.05 | 8 | PHG DS8M-1632-... |
|         | 206                      | 64.88        | 1 648 | 7.47 | 3.05 | 8 | PHG DS8M-1648-... |
|         | 209                      | 65.83        | 1 672 | 7.47 | 3.05 | 8 | PHG DS8M-1672-... |
|         | 210                      | 66.14        | 1 680 | 7.47 | 3.05 | 8 | PHG DS8M-1680-... |
|         | 212                      | 66.77        | 1 696 | 7.47 | 3.05 | 8 | PHG DS8M-1696-... |
|         | 216                      | 68.03        | 1 728 | 7.47 | 3.05 | 8 | PHG DS8M-1728-... |
|         | 220                      | 69.29        | 1 760 | 7.47 | 3.05 | 8 | PHG DS8M-1760-... |
|         | 222                      | 69.92        | 1 776 | 7.47 | 3.05 | 8 | PHG DS8M-1776-... |
|         | 225                      | 70.87        | 1 800 | 7.47 | 3.05 | 8 | PHG DS8M-1800-... |
|         | 239                      | 75.28        | 1 912 | 7.47 | 3.05 | 8 | PHG DS8M-1912-... |
|         | 250                      | 78.74        | 2 000 | 7.47 | 3.05 | 8 | PHG DS8M-2000-... |
|         | 253                      | 79.69        | 2 024 | 7.47 | 3.05 | 8 | PHG DS8M-2024-... |
|         | 254                      | 80.00        | 2 032 | 7.47 | 3.05 | 8 | PHG DS8M-2032-... |
|         | 256                      | 80.63        | 2 048 | 7.47 | 3.05 | 8 | PHG DS8M-2048-... |
|         | 263                      | 82.83        | 2 104 | 7.47 | 3.05 | 8 | PHG DS8M-2104-... |
|         | 280                      | 88.19        | 2 240 | 7.47 | 3.05 | 8 | PHG DS8M-2240-... |
|         | 284                      | 89.45        | 2 272 | 7.47 | 3.05 | 8 | PHG DS8M-2272-... |
|         | 288                      | 90.71        | 2 304 | 7.47 | 3.05 | 8 | PHG DS8M-2304-... |
|         | 300                      | 94.49        | 2 400 | 7.47 | 3.05 | 8 | PHG DS8M-2400-... |
|         | 304                      | 95.75        | 2 432 | 7.47 | 3.05 | 8 | PHG DS8M-2432-... |
|         | 312                      | 98.27        | 2 496 | 7.47 | 3.05 | 8 | PHG DS8M-2496-... |
|         | 317                      | 99.84        | 2 536 | 7.47 | 3.05 | 8 | PHG DS8M-2536-... |
|         | 320                      | 100.79       | 2 560 | 7.47 | 3.05 | 8 | PHG DS8M-2560-... |
|         | 325                      | 102.36       | 2 600 | 7.47 | 3.05 | 8 | PHG DS8M-2600-... |
|         | 350                      | 110.24       | 2 800 | 7.47 | 3.05 | 8 | PHG DS8M-2800-... |
|         | 356                      | 112.13       | 2 848 | 7.47 | 3.05 | 8 | PHG DS8M-2848-... |
|         | 360                      | 113.39       | 2 880 | 7.47 | 3.05 | 8 | PHG DS8M-2880-... |
|         | 375                      | 118.11       | 3 000 | 7.47 | 3.05 | 8 | PHG DS8M-3000-... |
|         | 400                      | 125.98       | 3 200 | 7.47 | 3.05 | 8 | PHG DS8M-3200-... |
|         | 450                      | 141.73       | 3 600 | 7.47 | 3.05 | 8 | PHG DS8M-3600-... |
|         | 465                      | 146.46       | 3 720 | 7.47 | 3.05 | 8 | PHG DS8M-3720-... |
|         | 500                      | 157.48       | 4 000 | 7.47 | 3.05 | 8 | PHG DS8M-4000-... |
|         | 585                      | 184.25       | 4 680 | 7.47 | 3.05 | 8 | PHG DS8M-4680-... |
|         | 617                      | 194.33       | 4 936 | 7.47 | 3.05 | 8 | PHG DS8M-4936-... |
|         | 635                      | 200.00       | 5 080 | 7.47 | 3.05 | 8 | PHG DS8M-5080-... |
|         | 700                      | 220.47       | 5 600 | 7.47 | 3.05 | 8 | PHG DS8M-5600-... |
|         | 712                      | 224.25       | 5 696 | 7.47 | 3.05 | 8 | PHG DS8M-5696-... |
|         | 830                      | 261.42       | 6 640 | 7.47 | 3.05 | 8 | PHG DS8M-6640-... |

To complete designation add belt width in mm.  
Non-standard lengths may also be available.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.  
For polyurethane version, add "PU" to the profile type. For example: PHG DS814MPU-6640-....

# Metric timing belts

## T2.5 | T5



| Section | Number of teeth | Dimensions   |       |       | Designation |      |                   |                     | Section | Number of teeth | Dimensions |     |      | Designation |                |                |  |
|---------|-----------------|--------------|-------|-------|-------------|------|-------------------|---------------------|---------|-----------------|------------|-----|------|-------------|----------------|----------------|--|
|         |                 | Pitch length | $h_1$ | $h_2$ | $p$         | $A$  | $\alpha$          | Pitch length        |         |                 | $h$        | $A$ | $p$  |             |                |                |  |
| —       | —               | mm           |       |       |             |      |                   | —                   | —       | <i>in.</i>      | mm         |     |      |             |                | —              |  |
| T2.5    | 41              | 102.5        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-102.5-...  | 48      | 240.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-240-... |  |
|         | 48              | 120.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-120-...    | 50      | 250.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-250-... |  |
|         | 58              | 145.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-145-...    | 51      | 255.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-255-... |  |
|         | 60              | 150.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-150-...    | 52      | 260.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-260-... |  |
|         | 64              | 160.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-160-...    | 55      | 275.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-275-... |  |
|         | 66              | 165.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-165-...    | 56      | 280.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-280-... |  |
|         | 68              | 170.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-170-...    | 59      | 295.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-295-... |  |
|         | 71              | 177.5        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-177.5-...  | 60      | 300.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-300-... |  |
|         | 75              | 187.5        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-187.5-...  | 61      | 305.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-305-... |  |
|         | 80              | 200.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-200-...    | 62      | 310.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-310-... |  |
|         | 92              | 230.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-230-...    | 65      | 325.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-325-... |  |
|         | 98              | 245.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-245-...    | 66      | 330.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-330-... |  |
|         | 106             | 265.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-265-...    | 68      | 340.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-340-... |  |
|         | 114             | 285.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-285-...    | 70      | 350.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-350-... |  |
|         | 120             | 300.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-300-...    | 71      | 355.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-355-... |  |
|         | 127             | 317.5        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-317.5-...  | 73      | 365.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-365-... |  |
|         | 132             | 330.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-330-...    | 75      | 375.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-375-... |  |
|         | 134             | 335.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-335-...    | 78      | 390.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-390-... |  |
|         | 140             | 350.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-350-...    | 80      | 400.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-400-... |  |
|         | 152             | 380.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-380-...    | 82      | 410.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-410-... |  |
|         | 156             | 390.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-390-...    | 84      | 420.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-420-... |  |
|         | 160             | 400.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-400-...    | 90      | 450.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-450-... |  |
|         | 164             | 410.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-410-...    | 91      | 455.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-455-... |  |
|         | 168             | 420.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-420-...    | 95      | 475.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-475-... |  |
|         | 188             | 470.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-470-...    | 96      | 480.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-480-... |  |
|         | 192             | 480.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-480-...    | 100     | 500.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-500-... |  |
|         | 200             | 500.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-500-...    | 101     | 505.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-505-... |  |
|         | 216             | 540.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-540-...    | 102     | 510.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-510-... |  |
|         | 248             | 620.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-620-...    | 105     | 525.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-525-... |  |
|         | 254             | 635.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-635-...    | 108     | 540.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-540-... |  |
|         | 260             | 650.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-650-...    | 109     | 545.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-545-... |  |
|         | 276             | 690.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-690-...    | 110     | 550.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-550-... |  |
|         | 282             | 705.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-705-...    | 112     | 560.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-560-... |  |
|         | 315             | 787.5        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-787.5-...  | 114     | 570.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-570-... |  |
|         | 362             | 905.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-905-...    | 115     | 575.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-575-... |  |
|         | 390             | 975.0        | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-975-...    | 116     | 580.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-580-... |  |
|         | 416             | 1040.0       | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-1040-...   | 117     | 585.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-585-... |  |
|         | 436             | 1090.0       | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-1090-...   | 120     | 600.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-600-... |  |
|         | 438             | 1095.0       | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-1095-...   | 122     | 610.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-610-... |  |
|         | 451             | 1127.5       | 1.3   | 0.7   | 2.5         | 1.50 | 40                | PHG T2.5-1127.5-... | 124     | 620.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-620-... |  |
| 518     | 1295.0          | 1.3          | 0.7   | 2.5   | 1.50        | 40   | PHG T2.5-1295-... | 126                 | 630.0   | 2.2             | 1.2        | 5.0 | 2.65 | 40          | PHG T5-630-... |                |  |
| 538     | 1345.0          | 1.3          | 0.7   | 2.5   | 1.50        | 40   | PHG T2.5-1345-... | 127                 | 635.0   | 2.2             | 1.2        | 5.0 | 2.65 | 40          | PHG T5-635-... |                |  |
| T5      | 23              | 115.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-115-...      | 130     | 650.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-650-... |  |
|         | 30              | 150.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-150-...      | 133     | 665.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-665-... |  |
|         | 33              | 165.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-165-...      | 135     | 675.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-675-... |  |
|         | 37              | 185.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-185-...      | 137     | 685.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-685-... |  |
|         | 38              | 190.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-190-...      | 138     | 690.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-690-... |  |
|         | 40              | 200.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-200-...      | 140     | 700.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-700-... |  |
|         | 42              | 210.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-210-...      | 142     | 710.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-710-... |  |
|         | 43              | 215.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-215-...      | 144     | 720.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-720-... |  |
|         | 44              | 220.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-220-...      | 145     | 725.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-725-... |  |
|         | 45              | 225.0        | 2.2   | 1.2   | 5.0         | 2.65 | 40                | PHG T5-225-...      | 148     | 740.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-740-... |  |
|         |                 |              |       |       |             |      |                   |                     | 150     | 750.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-750-... |  |
|         |                 |              |       |       |             |      |                   |                     | 156     | 780.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-780-... |  |
|         |                 |              |       |       |             |      |                   |                     | 158     | 790.0           | 2.2        | 1.2 | 5.0  | 2.65        | 40             | PHG T5-790-... |  |

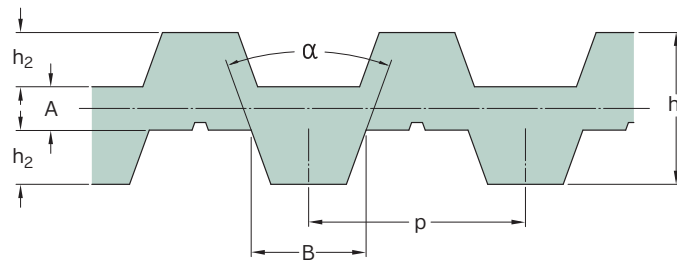
Non-standard lengths may also be available.  
To complete designation add belt width in mm.  
Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.





## Double-sided metric timing belts

### D-T5



Asymmetric DB profile

| Section | Number of teeth per side | Dimensions<br>Pitch length | Dimensions |     |      |     |       |          | Designation        |
|---------|--------------------------|----------------------------|------------|-----|------|-----|-------|----------|--------------------|
|         |                          |                            | $h_2$      | A   | B    | p   | $h_1$ | $\alpha$ |                    |
| –       | –                        | mm                         |            |     |      |     |       | °        | –                  |
| D-T5    | 100                      | 500                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-500-...  |
|         | 101                      | 505                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-505-...  |
|         | 102                      | 510                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-510-...  |
|         | 105                      | 525                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-525-...  |
|         | 108                      | 540                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-540-...  |
|         | 109                      | 545                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-545-...  |
|         | 110                      | 550                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-550-...  |
|         | 112                      | 560                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-560-...  |
|         | 114                      | 570                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-570-...  |
|         | 115                      | 575                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-575-...  |
|         | 116                      | 580                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-580-...  |
|         | 117                      | 585                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-585-...  |
|         | 120                      | 600                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-600-...  |
|         | 122                      | 610                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-610-...  |
|         | 124                      | 620                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-620-...  |
|         | 126                      | 630                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-630-...  |
|         | 127                      | 635                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-635-...  |
|         | 130                      | 650                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-650-...  |
|         | 133                      | 665                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-665-...  |
|         | 135                      | 675                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-675-...  |
|         | 137                      | 685                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-685-...  |
|         | 138                      | 690                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-690-...  |
|         | 140                      | 700                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-700-...  |
|         | 142                      | 710                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-710-...  |
|         | 144                      | 720                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-720-...  |
|         | 145                      | 725                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-725-...  |
|         | 148                      | 740                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-740-...  |
|         | 150                      | 750                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-750-...  |
|         | 156                      | 780                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-780-...  |
|         | 158                      | 790                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-790-...  |
|         | 160                      | 800                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-800-...  |
|         | 161                      | 805                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-805-...  |
|         | 162                      | 810                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-810-...  |
|         | 163                      | 815                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-815-...  |
|         | 168                      | 840                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-840-...  |
|         | 170                      | 850                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-850-...  |
|         | 172                      | 860                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-860-...  |
|         | 180                      | 900                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-900-...  |
|         | 188                      | 940                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-940-...  |
|         | 198                      | 990                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-990-...  |
|         | 199                      | 995                        | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-995-...  |
|         | 200                      | 1000                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1000-... |
|         | 204                      | 1020                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1020-... |
|         | 206                      | 1030                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1030-... |
|         | 209                      | 1045                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1045-... |
|         | 210                      | 1050                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1050-... |
|         | 212                      | 1060                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1060-... |
|         | 215                      | 1075                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1075-... |
|         | 220                      | 1100                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1100-... |
|         | 224                      | 1120                       | 1.20       | 1.0 | 2.65 | 5.0 | 3.40  | 40       | PHG DB-T5-1120-... |

Non-standard lengths may also be available.

To complete designation add belt width in mm.

Double-sided metric belts are available in symmetric (DA) and asymmetric (DB) tooth profiles. Symmetric will be supplied unless otherwise specified.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

## Double-sided metric timing belts

### D-T5 | D-T10

| Section | Number of teeth per side | Dimensions<br>Pitch length |       |     |      |      |       |          | Designation         |
|---------|--------------------------|----------------------------|-------|-----|------|------|-------|----------|---------------------|
|         |                          |                            | $h_2$ | A   | B    | p    | $h_1$ | $\alpha$ |                     |
| –       | –                        | mm                         |       |     |      |      |       | °        | –                   |
| D-T5    | 228                      | 1140                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1140-...  |
|         | 240                      | 1200                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1200-...  |
|         | 243                      | 1215                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1215-...  |
|         | 252                      | 1260                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1260-...  |
|         | 254                      | 1270                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1270-...  |
|         | 255                      | 1275                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1275-...  |
|         | 260                      | 1300                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1300-...  |
|         | 265                      | 1325                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1325-...  |
|         | 276                      | 1380                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1380-...  |
|         | 278                      | 1390                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1390-...  |
|         | 283                      | 1415                       | 1.20  | 1.0 | 2.65 | 5.0  | 3.40  | 40       | PHG DB-T5-1415-...  |
| D-T10   | 90                       | 900                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-900-...  |
|         | 91                       | 910                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-910-...  |
|         | 92                       | 920                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-920-...  |
|         | 95                       | 950                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-950-...  |
|         | 95                       | 950                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-950-...  |
|         | 96                       | 960                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-960-...  |
|         | 97                       | 970                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-970-...  |
|         | 98                       | 980                        | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-980-...  |
|         | 100                      | 1000                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1000-... |
|         | 101                      | 1010                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1010-... |
|         | 103                      | 1030                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1030-... |
|         | 104                      | 1040                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1040-... |
|         | 105                      | 1050                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1050-... |
|         | 108                      | 1080                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1080-... |
|         | 110                      | 1100                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1100-... |
|         | 111                      | 1110                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1110-... |
|         | 114                      | 1140                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1140-... |
|         | 115                      | 1150                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1150-... |
|         | 120                      | 1200                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1200-... |
|         | 121                      | 1210                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1210-... |
|         | 124                      | 1240                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1240-... |
|         | 125                      | 1250                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1250-... |
|         | 126                      | 1260                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1260-... |
|         | 128                      | 1280                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1280-... |
|         | 130                      | 1300                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1300-... |
|         | 132                      | 1320                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1320-... |
|         | 135                      | 1350                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1350-... |
|         | 139                      | 1390                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1390-... |
|         | 140                      | 1400                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1400-... |
|         | 142                      | 1420                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1420-... |
|         | 144                      | 1440                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1440-... |
|         | 145                      | 1450                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1450-... |
|         | 146                      | 1460                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1460-... |
|         | 148                      | 1480                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1480-... |
|         | 150                      | 1500                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1500-... |
|         | 152                      | 1520                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1520-... |
|         | 156                      | 1560                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1560-... |
|         | 160                      | 1600                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1600-... |
|         | 161                      | 1610                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1610-... |
|         | 164                      | 1640                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1640-... |
|         | 164                      | 1640                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1640-... |
|         | 169                      | 1690                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1690-... |
|         | 170                      | 1700                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1700-... |
|         | 175                      | 1750                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1750-... |
|         | 178                      | 1780                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1780-... |
|         | 180                      | 1800                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1800-... |
|         | 186                      | 1860                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1860-... |
|         | 188                      | 1880                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1880-... |
|         | 196                      | 1960                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1960-... |
|         | 198                      | 1980                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-1980-... |
|         | 202                      | 2020                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2020-... |
|         | 208                      | 2080                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2080-... |
|         | 209                      | 2090                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2090-... |
|         | 210                      | 2100                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2100-... |
|         | 220                      | 2200                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2200-... |
|         | 225                      | 2250                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2250-... |
|         | 227                      | 2270                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2270-... |
|         | 230                      | 2300                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2300-... |
|         | 234                      | 2340                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2340-... |
|         | 236                      | 2360                       | 2.50  | 2.0 | 5.30 | 10.0 | 7.00  | 40       | PHG DB-T10-2360-... |

Non-standard lengths may also be available.

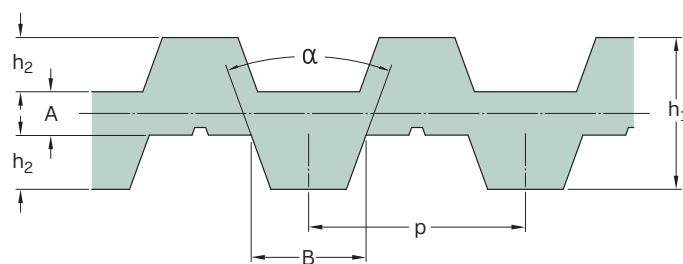
To complete designation add belt width in mm.

Double-sided metric belts are available in symmetric (DA) and asymmetric (DB) tooth profiles. Symmetric will be supplied unless otherwise specified.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.

## Double-sided metric timing belts

D-T10 | D-T20



| Section | Number of teeth per side | Dimensions<br>Pitch length |       |     |       |      |       |          | Designation         |
|---------|--------------------------|----------------------------|-------|-----|-------|------|-------|----------|---------------------|
|         |                          |                            | $h_2$ | A   | B     | p    | $h_1$ | $\alpha$ |                     |
| —       | —                        | mm                         |       |     |       |      |       | °        | —                   |
| D-T10   | 238                      | 2 380                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2380-... |
|         | 243                      | 2 430                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2430-... |
|         | 248                      | 2 480                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2480-... |
|         | 250                      | 2 500                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2500-... |
|         | 254                      | 2 540                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2540-... |
|         | 259                      | 2 590                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2590-... |
|         | 260                      | 2 600                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2600-... |
|         | 261                      | 2 610                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2610-... |
|         | 265                      | 2 650                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2650-... |
|         | 280                      | 2 800                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2800-... |
|         | 288                      | 2 880                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-2880-... |
|         | 300                      | 3 000                      | 2.50  | 2.0 | 5.30  | 10.0 | 7.00  | 40       | PHG DB-T10-3000-... |
| D-T20   | 85                       | 1 700                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-1700-... |
|         | 89                       | 1 780                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-1780-... |
|         | 94                       | 1 880                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-1880-... |
|         | 102                      | 2 040                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2040-... |
|         | 110                      | 2 200                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2200-... |
|         | 112                      | 2 240                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2240-... |
|         | 130                      | 2 600                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2600-... |
|         | 136                      | 2 720                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2720-... |
|         | 137                      | 2 740                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2740-... |
|         | 138                      | 2 760                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-2760-... |
|         | 155                      | 3 100                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-3100-... |
|         | 181                      | 3 620                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-3620-... |
|         | 238                      | 4 760                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-4760-... |
|         | 250                      | 5 000                      | 5.00  | 3.0 | 10.15 | 20.0 | 13.00 | 40       | PHG DB-T20-5000-... |

Non-standard lengths may also be available.

To complete designation add belt width in mm.

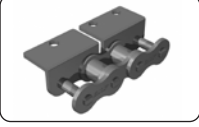
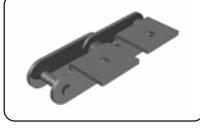
Double-sided metric belts are available in symmetric (DA) and asymmetric (DB) tooth profiles. Symmetric will be supplied unless otherwise specified.

Full sleeves are available in various widths. Please contact your SKF Authorized Distributor.





# Chains

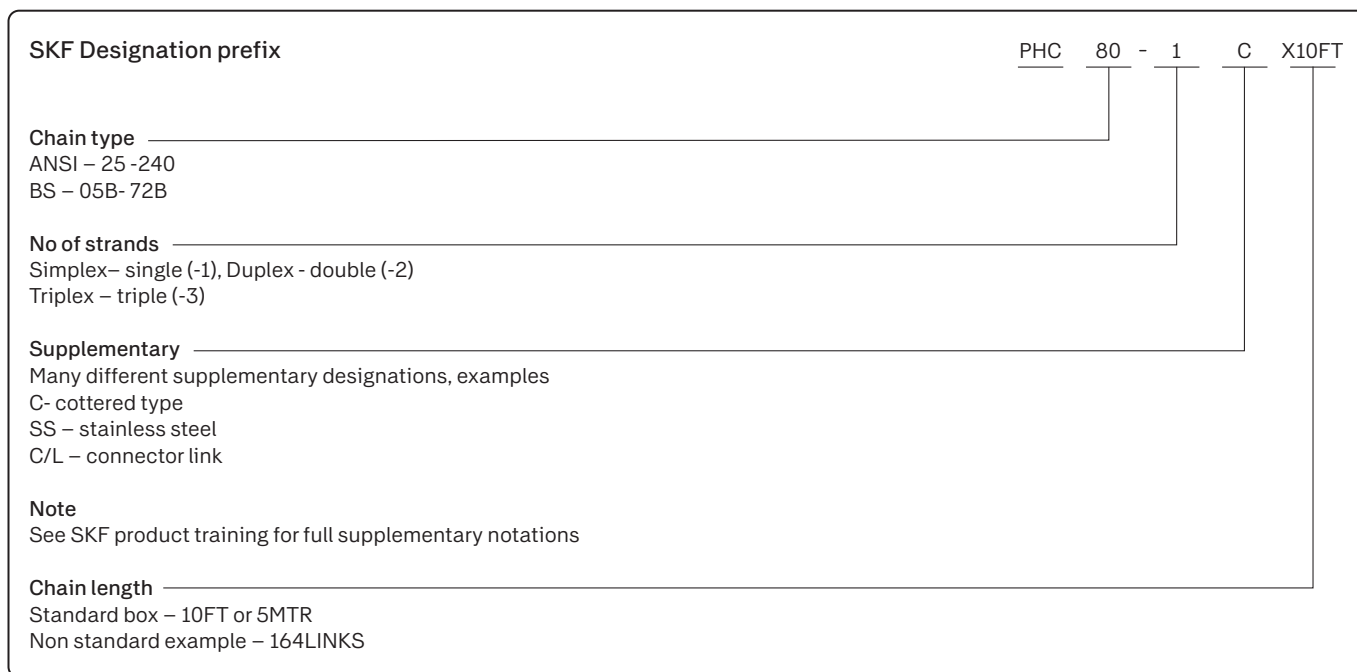
|                                                                                     |                                                                          |                                                                                      |                                                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------|
|    | Roller chains ..... 74                                                   |    | Straight side plate chains ..... 86                     |
|    | Roller chain attachments<br>A-1, K-1..... 76                             |    | Double pitch chains<br>Transmission chains..... 88      |
|    | Roller chain attachments,<br>SA-1/M1, SK-1/M1..... 77                    |    | Double pitch chains<br>Transmission attachments..... 89 |
|    | Roller chain attachments<br>WA-1, WA-2, WK-1, WK-2 ..... 78              |    | Conveyor chains<br>C series..... 90                     |
|   | Roller chain attachments<br>WSA-1, WSA-2, WSK-1, WSK-2. .... 79          |   | Conveyor chain<br>C series attachments ..... 91         |
|  | Extra performance (XP) chains .... 80                                    |  | Conveyor chains<br>M series..... 93                     |
|  | Extra strength chains ..... 81                                           |  | Conveyor chain<br>Lumber mill series ..... 94           |
|  | Extra corrosion resistant chains ... 83                                  |  | Silent chains ..... 95                                  |
|  | Roller chain<br>Side bow..... 84<br>Extra performance SLR chains .... 85 |  | Leaf chains ..... 96                                    |

# SKF Chains

SKF chain range nomenclature has a defined prefix of PHC. All standardized chains we produce conform to conventional basic part number format – ISO, BS, or DIN.

# Roller chains

The Roller chains designation format is constant through the range, with the following example to indicate set up.



## Chains (PHC Product Group)

SKF chains completely conform to international standards (ISO) and other advanced industrial standards (i.e. ANSI and DIN) as shown below:

- Short pitch transmission precision roller chains are manufactured according to ISO 606- 1994, ASME B29.1M-1993 and DIN 8187/DIN 8188
- Double pitch precision roller chains for transmission and conveyors are manufactured according to ISO 1275-1995, ASME B29.3M-1994/ AMSE B29.4M-1994 and DIN 8181-2000
- Short pitch transmission precision bush chains are manufactured according to ISO 1395-1997, ASME B29.12M-1997 and DIN 8154/DIN 8164
- Steel roller chains/attachments (types S and C) are manufactured according to ISO 487-1998, ASME B29.19M-1996 and DIN 8169-1997
- Conveyor chains/attachments are manufactured according to ISO 1977-2000, ASME B29.15M-1997 and DIN 8165/DIN 8166/DIN 8167
- Heavy duty cranked link transmission chains are manufactured according to ISO 3512, ASME B29.10M-1997 and DIN 8182

- Leaf chains are manufactured according to ISO 4347-1992, ASME B29.8M-1983 and DIN 8152
- Welded steel type cranked link drag chains are manufactured according to ISO 6971-2002 and ASME B29.200-2001
- Welded steel type cranked link mill chains are manufactured according to ISO 6972-2002 and ASME B29.200-2001
- Silent chains are manufactured according to ASME B29.2M-1982 and DIN 8190
- Open barrel steel pintle type conveyor chains/attachments are manufactured according to ASME B29.25M-1994
- Hollow pin chains are manufactured according to ASME B29.27M-2001 and DIN 8168

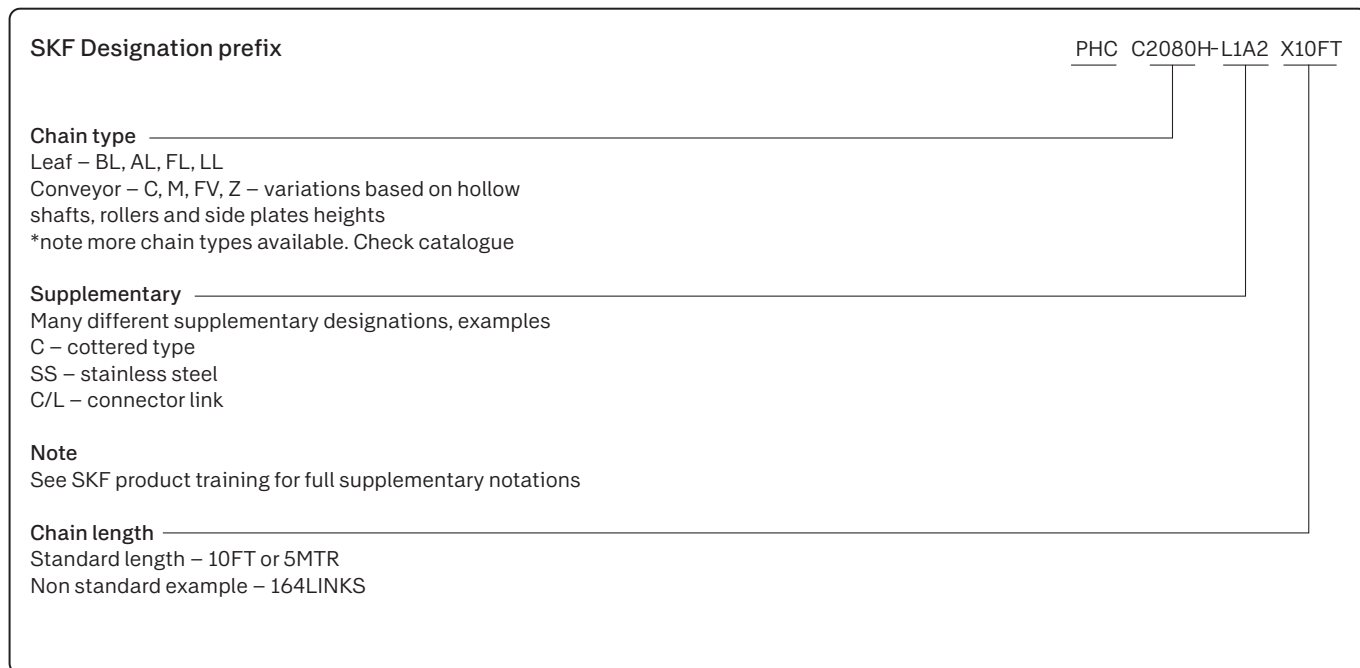
Depending and the type and style, SKF conveyor chains comply with international standards such as DIN 8187, ISO 1977 and BS 4116 (Part IV). Other cast and steel chains comply with the relevant industry accepted standards for performance and dimensions.

## SKF Chains

SKF chain range nomenclature has a defined prefix of PHC.  
All standardized chains we produce conform to conventional basic part number format – ISO, BS, or DIN.

## Special chains – Leaf, Conveyor

The special and conveyor chains designation format is constant through the range, but there are very many combinations of materials, attachments and special considerations, the following is an example to indicate set up.



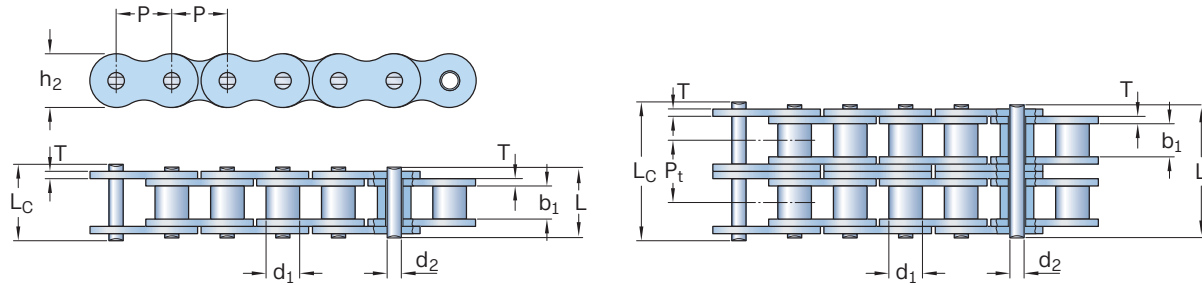
B

### Main materials used in the chain construction. Typical only.

|            |                                                             |
|------------|-------------------------------------------------------------|
| Side Plate | 45Mn, 40Cr, 35CrMo,<br>Premium carbon steel no. 45          |
| Roller     | Premium carbon steel no. 10,<br>Premium carbon steel no. 45 |
| Bush       | 20Mn Premium carbon steel no. 20                            |
| Pin        | 35CrMo, GCr15, 30CrMnTi, 40Cr,<br>20CrMnMo                  |

# Roller chains

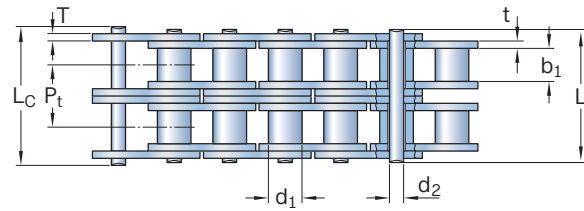
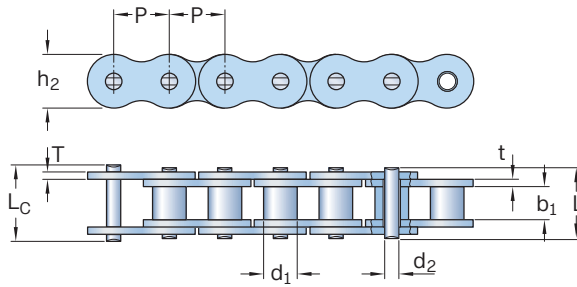
## ANSI



| ANSI Chain number  | BS/ISO Chain number | Pitch | Roller diameter     | Width between inner plates | Pin diameter        | Pin length | Pin length cottered | Inner plate height  | Plate thickness | Transverse pitch | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation |
|--------------------|---------------------|-------|---------------------|----------------------------|---------------------|------------|---------------------|---------------------|-----------------|------------------|---------------------------|--------------------------|----------------|-------------|
|                    |                     | p     | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max.     | L <sub>c</sub> Max. | h <sub>2</sub> Max. | T Max.          | P <sub>t</sub>   | Q Min.                    | Q <sub>0</sub>           |                |             |
|                    |                     | mm    |                     |                            |                     |            |                     |                     |                 |                  | kN                        |                          | kg/m           | —           |
| 15-1 <sup>1)</sup> | 03C-1 <sup>1)</sup> | 4.76  | 2.48                | 2.38                       | 1.62                | 6.10       | 6.90                | —                   | 4.30            | 0.60             | —                         | 1.8                      | 2.0            | 0.08        |
| 25-1 <sup>1)</sup> | 04C-1 <sup>1)</sup> | 6.35  | 3.30                | 3.18                       | 2.31                | 7.90       | 8.40                | —                   | 6.00            | 0.80             | —                         | 3.5                      | 4.6            | 0.15        |
| 35-1 <sup>1)</sup> | 06C-1 <sup>1)</sup> | 9.53  | 5.08                | 4.77                       | 3.58                | 12.40      | 13.17               | —                   | 9.00            | 1.30             | —                         | 7.9                      | 10.8           | 0.33        |
| 41-1               | 085-1               | 12.70 | 7.77                | 6.25                       | 3.58                | 13.75      | 15.00               | —                   | 9.91            | 1.30             | —                         | 6.7                      | 12.6           | 0.41        |
| 40-1               | 08A-1               | 12.70 | 7.95                | 7.85                       | 3.96                | 16.60      | 17.80               | —                   | 12.00           | 1.50             | —                         | 14.1                     | 17.5           | 0.62        |
| 50-1               | 10A-1               | 15.88 | 10.16               | 9.40                       | 5.08                | 20.70      | 22.20               | 23.3                | 15.09           | 2.03             | —                         | 22.2                     | 29.4           | 1.02        |
| 60-1               | 12A-1               | 19.05 | 11.91               | 12.57                      | 5.94                | 25.90      | 27.70               | 28.3                | 18.00           | 2.42             | —                         | 31.8                     | 41.5           | 1.50        |
| 80-1               | 16A-1               | 25.40 | 15.88               | 15.75                      | 7.92                | 32.70      | 35.00               | 36.5                | 24.00           | 3.25             | —                         | 56.7                     | 69.4           | 2.60        |
| 100-1              | 20A-1               | 31.75 | 19.05               | 18.90                      | 9.53                | 40.40      | 44.70               | 44.7                | 30.00           | 4.00             | —                         | 88.5                     | 109.2          | 3.91        |
| 120-1              | 24A-1               | 38.10 | 22.23               | 25.22                      | 11.10               | 50.30      | 54.30               | 54.3                | 35.70           | 4.80             | —                         | 127.0                    | 156.3          | 5.62        |
| 140-1              | 28A-1               | 44.45 | 25.40               | 25.22                      | 12.70               | 54.40      | 59.00               | 59.0                | 41.00           | 5.60             | —                         | 172.4                    | 212.0          | 7.50        |
| 160-1              | 32A-1               | 50.80 | 28.58               | 31.55                      | 14.27               | 64.80      | 69.60               | 69.6                | 47.80           | 6.40             | —                         | 226.8                    | 278.9          | 10.10       |
| 180-1              | 36A-1               | 57.15 | 35.71               | 35.48                      | 17.46               | 72.80      | 78.60               | 78.6                | 53.60           | 7.20             | —                         | 280.2                    | 341.8          | 13.45       |
| 200-1              | 40A-1               | 63.50 | 39.68               | 37.85                      | 19.85               | 80.30      | 87.20               | 87.2                | 60.00           | 8.00             | —                         | 353.8                    | 431.6          | 16.15       |
| 240-1              | 48A-1               | 76.20 | 47.63               | 47.35                      | 23.81               | 95.50      | 103.00              | 103.0               | 72.39           | 9.50             | —                         | 510.3                    | 622.5          | 23.20       |
| 25-2 <sup>1)</sup> | 04C-2 <sup>1)</sup> | 6.35  | 3.30                | 3.18                       | 2.31                | 14.50      | 15.00               | —                   | 6.00            | 0.80             | 6.40                      | 7.0                      | 8.6            | 0.28        |
| 35-2 <sup>1)</sup> | 06C-2 <sup>1)</sup> | 9.53  | 5.08                | 4.77                       | 3.58                | 22.50      | 23.30               | —                   | 9.00            | 1.30             | 10.13                     | 15.8                     | 19.7           | 0.63        |
| 41-2               | 085-2               | 12.70 | 7.77                | 6.25                       | 3.58                | 25.70      | 26.90               | —                   | 9.91            | 1.30             | 11.95                     | 13.3                     | 16.9           | 0.81        |
| 40-2               | 08A-2               | 12.70 | 7.95                | 7.85                       | 3.96                | 31.00      | 32.20               | —                   | 12.00           | 1.50             | 14.38                     | 28.2                     | 35.9           | 1.12        |
| 50-2               | 10A-2               | 15.88 | 10.16               | 9.40                       | 5.08                | 38.90      | 40.40               | 41.2                | 15.09           | 2.03             | 18.11                     | 44.4                     | 58.1           | 2.00        |
| 60-2               | 12A-2               | 19.05 | 11.91               | 12.57                      | 5.94                | 48.80      | 50.50               | 51.1                | 18.00           | 2.42             | 22.78                     | 63.6                     | 82.1           | 2.92        |
| 80-2               | 16A-2               | 25.40 | 15.88               | 15.75                      | 7.92                | 62.70      | 64.30               | 65.8                | 24.00           | 3.25             | 29.29                     | 113.4                    | 141.8          | 5.15        |
| 100-2              | 20A-2               | 31.75 | 19.05               | 18.90                      | 9.53                | 76.40      | 80.50               | 80.5                | 30.00           | 4.00             | 35.76                     | 177.0                    | 219.4          | 7.80        |
| 120-2              | 24A-2               | 38.10 | 22.23               | 25.22                      | 11.10               | 95.80      | 99.70               | 99.7                | 35.70           | 4.80             | 45.44                     | 254.0                    | 314.9          | 11.70       |
| 140-2              | 28A-2               | 44.45 | 25.40               | 25.22                      | 12.70               | 103.30     | 107.90              | 107.9               | 41.00           | 5.60             | 48.87                     | 344.8                    | 427.5          | 15.14       |
| 160-2              | 32A-2               | 50.80 | 28.58               | 31.55                      | 14.27               | 123.30     | 128.10              | 128.1               | 47.80           | 6.40             | 58.55                     | 453.6                    | 562.4          | 20.14       |
| 180-2              | 36A-2               | 57.15 | 35.71               | 35.48                      | 17.46               | 138.60     | 144.40              | 144.4               | 53.60           | 7.20             | 65.84                     | 560.5                    | 695.0          | 29.22       |
| 200-2              | 40A-2               | 63.50 | 39.68               | 37.85                      | 19.85               | 151.90     | 158.80              | 158.8               | 60.00           | 8.00             | 71.55                     | 707.6                    | 877.4          | 32.24       |
| 240-2              | 48A-2               | 76.20 | 47.63               | 47.35                      | 23.81               | 183.40     | 190.80              | 190.8               | 72.39           | 9.50             | 87.83                     | 1020.6                   | 1255.3         | 45.23       |
| 25-3 <sup>1)</sup> | 04C-3 <sup>1)</sup> | 6.35  | 3.30                | 3.18                       | 2.31                | 21.00      | 21.50               | —                   | 6.00            | 0.80             | 6.40                      | 10.5                     | 12.6           | 0.44        |
| 35-3 <sup>1)</sup> | 06C-3 <sup>1)</sup> | 9.53  | 5.08                | 4.77                       | 3.58                | 32.70      | 33.50               | —                   | 9.00            | 1.30             | 10.13                     | 23.7                     | 28.6           | 1.05        |
| 40-3               | 08A-3               | 12.70 | 7.95                | 7.85                       | 3.96                | 45.40      | 46.60               | —                   | 12.00           | 1.50             | 14.38                     | 42.3                     | 50.0           | 1.90        |
| 50-3               | 10A-3               | 15.88 | 10.16               | 9.40                       | 5.08                | 57.00      | 58.50               | 59.3                | 15.09           | 2.03             | 18.11                     | 66.6                     | 77.8           | 3.09        |
| 60-3               | 12A-3               | 19.05 | 11.91               | 12.57                      | 5.94                | 71.50      | 73.30               | 73.9                | 18.00           | 2.42             | 22.78                     | 95.4                     | 111.1          | 4.54        |
| 80-3               | 16A-3               | 25.40 | 15.88               | 15.75                      | 7.92                | 91.70      | 93.60               | 95.1                | 24.00           | 3.25             | 29.29                     | 170.1                    | 198.4          | 7.89        |
| 100-3              | 20A-3               | 31.75 | 19.05               | 18.90                      | 9.53                | 112.20     | 116.30              | 116.3               | 30.00           | 4.00             | 35.76                     | 265.5                    | 309.6          | 11.77       |
| 120-3              | 24A-3               | 38.10 | 22.23               | 25.22                      | 11.10               | 141.40     | 145.20              | 145.2               | 35.70           | 4.80             | 45.44                     | 381.0                    | 437.2          | 17.53       |
| 140-3              | 28A-3               | 44.45 | 25.40               | 25.22                      | 12.70               | 152.20     | 156.80              | 156.8               | 41.00           | 5.60             | 48.87                     | 517.2                    | 593.3          | 22.20       |
| 160-3              | 32A-3               | 50.80 | 28.58               | 31.55                      | 14.27               | 181.80     | 186.60              | 186.6               | 47.80           | 6.40             | 58.55                     | 680.4                    | 780.6          | 30.02       |
| 180-3              | 36A-3               | 57.15 | 35.71               | 35.48                      | 17.46               | 204.40     | 210.20              | 210.2               | 53.60           | 7.20             | 65.84                     | 840.7                    | 983.6          | 38.22       |
| 200-3              | 40A-3               | 63.50 | 39.68               | 37.85                      | 19.85               | 223.50     | 230.40              | 230.4               | 60.00           | 8.00             | 71.55                     | 1061.4                   | 1217.8         | 49.03       |
| 240-3              | 48A-3               | 76.20 | 47.63               | 47.35                      | 23.81               | 271.30     | 278.60              | 278.6               | 72.39           | 9.50             | 87.83                     | 1530.9                   | 1756.5         | 71.60       |

<sup>1)</sup> Bushing chain: d<sub>1</sub> indicates external diameter of bushing.  
Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of 140-1 is PHC 140-1X10FT.  
One connecting link is contained per chain. For additional links, add "C/L" for connecting and "O/L" for "offset" to the designation.  
For cottered, add a "C" after the number of strands. For example, 140-1 with a cottered pin is designated PHC 140-1C...

# Roller chains BS/ISO



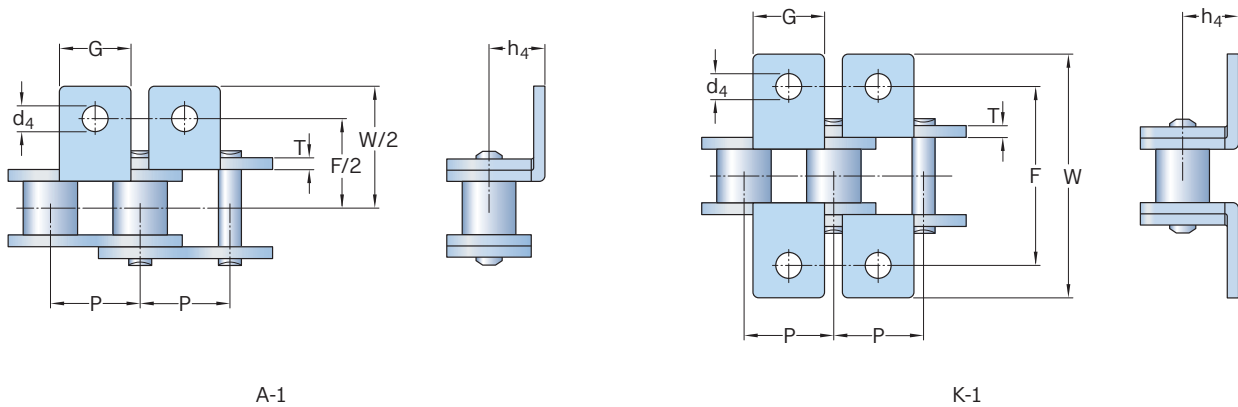
| BS/ISO Chain number | Pitch  | Roller diameter     | Width between inner plates | Pin diameter        | Pin length | Inner plate height  | Plate thickness     | Transverse pitch | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation    |              |
|---------------------|--------|---------------------|----------------------------|---------------------|------------|---------------------|---------------------|------------------|---------------------------|--------------------------|----------------|----------------|--------------|
|                     | p      | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max.     | L <sub>c</sub> Max. | h <sub>2</sub> Max. | t Max.           | T Max.                    | P <sub>t</sub>           | Q Min.         | Q <sub>0</sub> |              |
| –                   | mm     |                     |                            |                     |            |                     |                     |                  |                           |                          | kN             | kg/m           | –            |
| 04B-1               | 6.00   | 4.00                | 2.80                       | 1.85                | 6.80       | 7.8                 | 5.00                | 0.60             | 0.60                      | –                        | 3.0            | 3.2            | PHC 04B-1... |
| 05B-1               | 8.00   | 5.00                | 3.00                       | 2.31                | 8.20       | 8.9                 | 7.10                | 0.80             | 0.80                      | –                        | 5.0            | 5.9            | PHC 05B-1... |
| 06B-1 <sup>1)</sup> | 9.53   | 6.35                | 5.72                       | 3.28                | 13.15      | 14.1                | 8.20                | 1.30             | 1.30                      | –                        | 9.0            | 10.4           | PHC 06B-1... |
| 08B-1               | 12.70  | 8.51                | 7.75                       | 4.45                | 16.70      | 18.2                | 11.80               | 1.60             | 1.60                      | –                        | 18.0           | 19.4           | PHC 08B-1... |
| 10B-1               | 15.88  | 10.16               | 9.65                       | 5.08                | 19.50      | 20.9                | 14.70               | 1.70             | 1.70                      | –                        | 22.4           | 27.5           | PHC 10B-1... |
| 12B-1               | 19.05  | 12.07               | 11.68                      | 5.72                | 22.50      | 24.2                | 16.00               | 1.85             | 1.85                      | –                        | 29.0           | 32.2           | PHC 12B-1... |
| 16B-1               | 25.40  | 15.88               | 17.02                      | 8.28                | 36.10      | 37.4                | 21.00               | 4.15             | 3.10                      | –                        | 60.0           | 72.8           | PHC 16B-1... |
| 20B-1               | 31.75  | 19.05               | 19.56                      | 10.19               | 41.30      | 45.0                | 26.40               | 4.50             | 3.50                      | –                        | 95.0           | 106.7          | PHC 20B-1... |
| 24B-1               | 38.10  | 25.40               | 25.40                      | 14.63               | 53.40      | 57.8                | 33.20               | 6.00             | 4.80                      | –                        | 160.0          | 178.0          | PHC 24B-1... |
| 28B-1               | 44.45  | 27.94               | 30.99                      | 15.90               | 65.10      | 69.5                | 36.70               | 7.50             | 6.00                      | –                        | 200.0          | 222.0          | PHC 28B-1... |
| 32B-1               | 50.80  | 29.21               | 30.99                      | 17.81               | 66.00      | 71.0                | 42.00               | 7.00             | 6.00                      | –                        | 250.0          | 277.5          | PHC 32B-1... |
| 40B-1               | 63.50  | 39.37               | 38.10                      | 22.89               | 82.20      | 89.2                | 52.96               | 8.50             | 8.00                      | –                        | 355.0          | 394.0          | PHC 40B-1... |
| 48B-1               | 76.20  | 48.26               | 45.72                      | 29.24               | 99.10      | 107.0               | 63.80               | 12.00            | 10.00                     | –                        | 560.0          | 621.6          | PHC 48B-1... |
| 56B-1               | 88.90  | 53.98               | 53.34                      | 34.32               | 114.60     | 123.0               | 77.80               | 13.50            | 12.00                     | –                        | 850.0          | 940.0          | PHC 56B-1... |
| 64B-1               | 101.60 | 63.50               | 60.96                      | 39.40               | 130.00     | 138.5               | 90.17               | 15.00            | 13.00                     | –                        | 1120.0         | 1240.0         | PHC 64B-1... |
| 72B-1               | 114.30 | 72.39               | 68.58                      | 44.48               | 147.40     | 156.4               | 103.60              | 17.00            | 15.00                     | –                        | 1400.0         | 1550.0         | PHC 72B-1... |
| 05B-2               | 8.00   | 5.00                | 3.00                       | 2.31                | 13.90      | 14.5                | 7.10                | 0.80             | 0.80                      | 5.64                     | 7.8            | 10.2           | PHC 05B-2... |
| 06B-2 <sup>1)</sup> | 9.53   | 6.35                | 5.72                       | 3.28                | 23.40      | 24.4                | 8.20                | 1.30             | 1.30                      | 10.24                    | 16.9           | 18.7           | PHC 06B-2... |
| 08B-2               | 12.70  | 8.51                | 7.75                       | 4.45                | 31.20      | 32.2                | 11.80               | 1.60             | 1.60                      | 13.92                    | 32.0           | 38.7           | PHC 08B-2... |
| 10B-2               | 15.88  | 10.16               | 9.65                       | 5.08                | 36.10      | 37.5                | 14.70               | 1.70             | 1.70                      | 16.59                    | 44.5           | 56.2           | PHC 10B-2... |
| 12B-2               | 19.05  | 12.07               | 11.68                      | 5.72                | 42.00      | 43.6                | 16.00               | 1.85             | 1.85                      | 19.46                    | 57.8           | 66.1           | PHC 12B-2... |
| 16B-2               | 25.40  | 15.88               | 17.02                      | 8.28                | 68.00      | 69.3                | 21.00               | 4.15             | 3.10                      | 31.88                    | 106.0          | 133.0          | PHC 16B-2... |
| 20B-2               | 31.75  | 19.05               | 19.56                      | 10.19               | 77.80      | 81.5                | 26.40               | 4.50             | 3.50                      | 36.45                    | 170.0          | 211.2          | PHC 20B-2... |
| 24B-2               | 38.10  | 25.40               | 25.40                      | 14.63               | 101.70     | 106.2               | 33.20               | 6.00             | 4.80                      | 48.36                    | 280.0          | 319.2          | PHC 24B-2... |
| 28B-2               | 44.45  | 27.94               | 30.99                      | 15.90               | 124.60     | 129.1               | 36.70               | 7.50             | 6.00                      | 59.56                    | 360.0          | 406.8          | PHC 28B-2... |
| 32B-2               | 50.80  | 29.21               | 30.99                      | 17.81               | 124.60     | 129.6               | 42.00               | 7.00             | 6.00                      | 58.55                    | 450.0          | 508.5          | PHC 32B-2... |
| 40B-2               | 63.50  | 39.37               | 38.10                      | 22.89               | 154.50     | 161.5               | 52.96               | 8.50             | 8.00                      | 72.29                    | 630.0          | 711.9          | PHC 40B-2... |
| 48B-2               | 76.20  | 48.26               | 45.72                      | 29.24               | 190.40     | 198.2               | 63.80               | 12.00            | 10.00                     | 91.21                    | 1000.0         | 1130.0         | PHC 48B-2... |
| 56B-2               | 88.90  | 53.98               | 53.34                      | 34.32               | 221.20     | 229.6               | 77.80               | 13.50            | 12.00                     | 106.60                   | 1600.0         | 1760.0         | PHC 56B-2... |
| 64B-2               | 101.60 | 63.50               | 60.96                      | 39.40               | 249.90     | 258.4               | 90.17               | 15.00            | 13.00                     | 119.89                   | 2000.0         | 2200.0         | PHC 64B-2... |
| 72B-2               | 114.30 | 72.39               | 68.58                      | 44.48               | 283.70     | 292.7               | 103.60              | 17.00            | 15.00                     | 136.27                   | 2500.0         | 2750.0         | PHC 72B-2... |
| 05B-3               | 8.00   | 5.00                | 3.00                       | 2.31                | 19.50      | 20.2                | 7.10                | 0.80             | 0.80                      | 5.64                     | 11.1           | 13.8           | PHC 05B-3... |
| 06B-3 <sup>1)</sup> | 9.53   | 6.35                | 5.72                       | 3.28                | 33.50      | 34.6                | 8.20                | 1.30             | 1.30                      | 10.24                    | 24.9           | 30.1           | PHC 06B-3... |
| 08B-3               | 12.70  | 8.51                | 7.75                       | 4.45                | 45.10      | 46.1                | 11.80               | 1.60             | 1.60                      | 13.92                    | 47.5           | 57.8           | PHC 08B-3... |
| 10B-3               | 15.88  | 10.16               | 9.65                       | 5.08                | 52.70      | 54.1                | 14.70               | 1.70             | 1.70                      | 16.59                    | 66.7           | 84.5           | PHC 10B-3... |
| 12B-3               | 19.05  | 12.07               | 11.68                      | 5.72                | 61.50      | 63.1                | 16.00               | 1.85             | 1.85                      | 19.46                    | 86.7           | 101.8          | PHC 12B-3... |
| 16B-3               | 25.40  | 15.88               | 17.02                      | 8.28                | 99.80      | 101.2               | 21.00               | 4.15             | 3.10                      | 31.88                    | 160.0          | 203.7          | PHC 16B-3... |
| 20B-3               | 31.75  | 19.05               | 19.56                      | 10.19               | 114.20     | 117.9               | 26.40               | 4.50             | 3.50                      | 36.45                    | 250.0          | 290.0          | PHC 20B-3... |
| 24B-3               | 38.10  | 25.40               | 25.40                      | 14.63               | 150.10     | 154.6               | 33.20               | 6.00             | 4.80                      | 48.36                    | 425.0          | 493.0          | PHC 24B-3... |
| 28B-3               | 44.45  | 27.94               | 30.99                      | 15.90               | 184.20     | 188.7               | 36.70               | 7.50             | 6.00                      | 59.56                    | 530.0          | 609.5          | PHC 28B-3... |
| 32B-3               | 50.80  | 29.21               | 30.99                      | 17.81               | 183.20     | 188.2               | 42.00               | 7.00             | 6.00                      | 58.55                    | 670.0          | 770.5          | PHC 32B-3... |
| 40B-3               | 63.50  | 39.37               | 38.10                      | 22.89               | 226.80     | 233.8               | 52.96               | 8.50             | 8.00                      | 72.29                    | 950.0          | 1092.5         | PHC 40B-3... |
| 48B-3               | 76.20  | 48.26               | 45.72                      | 29.24               | 281.60     | 289.4               | 63.80               | 12.00            | 10.00                     | 91.21                    | 1500.0         | 1710.0         | PHC 48B-3... |
| 56B-3               | 88.90  | 53.98               | 53.34                      | 34.32               | 327.80     | 336.2               | 77.80               | 13.50            | 12.00                     | 106.60                   | 2240.0         | 2440.0         | PHC 56B-3... |
| 64B-3               | 101.60 | 63.50               | 60.96                      | 39.40               | 369.80     | 378.3               | 90.17               | 15.00            | 13.00                     | 119.89                   | 3000.0         | 3300.0         | PHC 64B-3... |
| 72B-3               | 114.30 | 72.39               | 68.58                      | 44.48               | 420.00     | 429.0               | 103.60              | 17.00            | 15.00                     | 136.27                   | 3750.0         | 4125.0         | PHC 72B-3... |

<sup>1)</sup> Straight side plates.

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 08B-1 is PHC 08B-1X5MTR. One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

## Roller chain attachments

A-1 | K-1



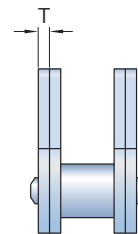
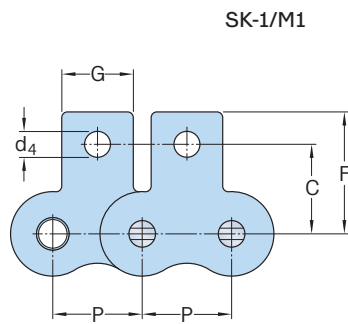
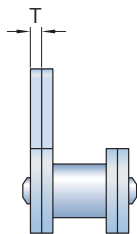
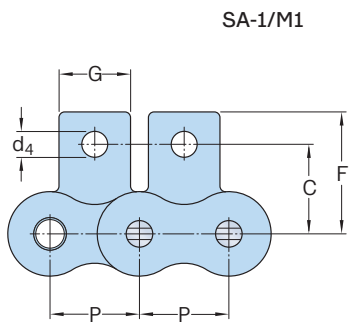
| ANSI Chain number | BS/ISO Chain number | Dimensions |      |        |       |      |                |                | Designation  |
|-------------------|---------------------|------------|------|--------|-------|------|----------------|----------------|--------------|
|                   |                     | P          | G    | F      | W     | T    | h <sub>4</sub> | d <sub>4</sub> |              |
| –                 | –                   | mm         |      |        |       |      |                |                | –            |
| 35-1              | 06C-1               | 9.53       | 7.9  | 19.00  | 28.6  | 1.30 | 6.35           | 3.4            | PHC 35-1...  |
| 40-1              | 08A-1               | 12.70      | 9.5  | 25.40  | 35.2  | 1.50 | 7.90           | 3.4            | PHC 40-1...  |
| 41-1              | 085-1               | 12.70      | 9.5  | 24.00  | 33.4  | 1.30 | 6.90           | 3.6            | PHC 41-1...  |
| 50-1              | 10A-1               | 15.88      | 12.7 | 31.75  | 46.2  | 2.03 | 10.30          | 5.5            | PHC 50-1...  |
| 60-1              | 12A-1               | 19.05      | 15.9 | 38.10  | 55.6  | 2.42 | 11.90          | 5.5            | PHC 60-1...  |
| 80-1              | 16A-1               | 25.40      | 19.1 | 50.80  | 64.8  | 3.25 | 15.90          | 6.8            | PHC 80-1...  |
| 100-1             | 20A-1               | 31.75      | 25.4 | 63.50  | 87.3  | 4.00 | 19.80          | 9.2            | PHC 100-1... |
| 120-1             | 24A-1               | 38.10      | 28.6 | 76.20  | 108.5 | 4.80 | 23.00          | 9.8            | PHC 120-1... |
| 140-1             | 28A-1               | 44.45      | 34.9 | 88.90  | 123.0 | 5.60 | 28.60          | 11.4           | PHC 140-1... |
| 160-1             | 32A-1               | 50.80      | 38.1 | 101.60 | 142.8 | 6.40 | 31.75          | 13.1           | PHC 160-1... |
| 200-1             | 40A-1               | 63.50      | 50.8 | 127.00 | 179.0 | 8.00 | 42.88          | 16.3           | PHC 200-1... |
| –                 | 06B-1 <sup>1)</sup> | 9.53       | 8.0  | 19.04  | 27.0  | 1.30 | 6.50           | 3.5            | PHC 06B-1... |
| –                 | 08B-1               | 12.70      | 9.5  | 25.40  | 36.4  | 1.60 | 8.90           | 4.5            | PHC 08B-1... |
| –                 | 10B-1               | 15.88      | 14.3 | 31.75  | 44.6  | 1.70 | 10.31          | 5.3            | PHC 10B-1... |
| –                 | 12B-1               | 19.05      | 16.0 | 38.10  | 52.4  | 1.85 | 13.46          | 6.4            | PHC 12B-1... |
| –                 | 16B-1               | 25.40      | 19.1 | 50.80  | 72.6  | 3.10 | 15.88          | 6.4            | PHC 16B-1... |
| –                 | 20B-1               | 31.75      | 35.0 | 63.50  | 100.5 | 3.50 | 19.80          | 9.0            | PHC 20B-1... |
| –                 | 24B-1               | 38.10      | 30.0 | 76.20  | 108.4 | 4.80 | 26.67          | 10.5           | PHC 24B-1... |
| –                 | 28B-1               | 44.45      | 35.0 | 88.90  | 123.0 | 6.00 | 28.58          | 13.1           | PHC 28B-1... |
| –                 | 32B-1               | 50.80      | 38.1 | 101.60 | 142.8 | 6.00 | 31.75          | 13.1           | PHC 32B-1... |

<sup>1)</sup> Straight side plates

To complete designation, add attachment spacing and type followed by chain length. For example, PHC 40-1-L2A1X10FT (ANSI 40-1 with A-1 attachment on every second link, 10 ft. length).  
Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC 40-1SS-L1A1X10FT.

## Roller chain attachments

SA-1/M1 | SK-1/M1



SA-1/M1

SK-1/M1

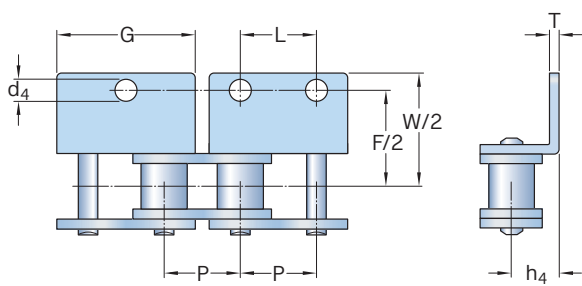
| ANSI<br>Chain<br>number | BS/ISO<br>Chain<br>number | Dimensions |      |       |       |      |                | Designation  |
|-------------------------|---------------------------|------------|------|-------|-------|------|----------------|--------------|
|                         |                           | P          | G    | C     | F     | T    | d <sub>4</sub> |              |
| –                       | –                         | mm         |      |       |       |      |                | –            |
| 35-1                    | 06C-1                     | 9.53       | 7.9  | 9.50  | 14.55 | 1.30 | 3.4            | PHC 35-1...  |
| 40-1                    | 08A-1                     | 12.70      | 9.5  | 12.70 | 19.05 | 1.50 | 3.4            | PHC 40-1...  |
| 41-1                    | 085-1                     | 12.70      | 9.5  | 11.85 | 16.55 | 1.30 | 3.6            | PHC 41-1...  |
| 50-1                    | 10A-1                     | 15.88      | 12.7 | 15.90 | 25.25 | 2.03 | 5.5            | PHC 50-1...  |
| 60-1                    | 12A-1                     | 19.05      | 15.9 | 18.30 | 29.33 | 2.42 | 5.5            | PHC 60-1...  |
| 80-1                    | 16A-1                     | 25.40      | 19.1 | 24.60 | 34.70 | 3.25 | 6.8            | PHC 80-1...  |
| 100-1                   | 20A-1                     | 31.75      | 25.4 | 31.80 | 43.30 | 4.00 | 9.2            | PHC 100-1... |
| 120-1                   | 24A-1                     | 38.10      | 28.6 | 36.50 | 51.60 | 4.80 | 9.8            | PHC 120-1... |
| 140-1                   | 28A-1                     | 44.45      | 34.9 | 44.50 | 62.00 | 5.60 | 11.4           | PHC 140-1... |
| 160-1                   | 32A-1                     | 50.80      | 38.1 | 50.80 | 69.85 | 6.40 | 13.1           | PHC 160-1... |
| 200-1                   | 40A-1                     | 63.50      | 50.8 | 63.50 | 88.90 | 8.00 | 16.3           | PHC 200-1... |
| –                       | 06B-1 <sup>1)</sup>       | 9.53       | 8.0  | 9.52  | 13.50 | 1.30 | 3.5            | PHC 06B-1... |
| –                       | 08B-1                     | 12.70      | 9.5  | 13.35 | 18.90 | 1.60 | 4.3            | PHC 08B-1... |
| –                       | 10B-1                     | 15.88      | 14.3 | 16.50 | 22.95 | 1.70 | 5.3            | PHC 10B-1... |
| –                       | 12B-1                     | 19.05      | 16.0 | 21.45 | 28.60 | 1.85 | 6.4            | PHC 12B-1... |
| –                       | 16B-1                     | 25.40      | 19.1 | 23.15 | 34.00 | 3.10 | 6.4            | PHC 16B-1... |
| –                       | 20B-1                     | 31.75      | 25.0 | 30.50 | 45.70 | 3.50 | 9.0            | PHC 20B-1... |

<sup>1)</sup> Straight side plates

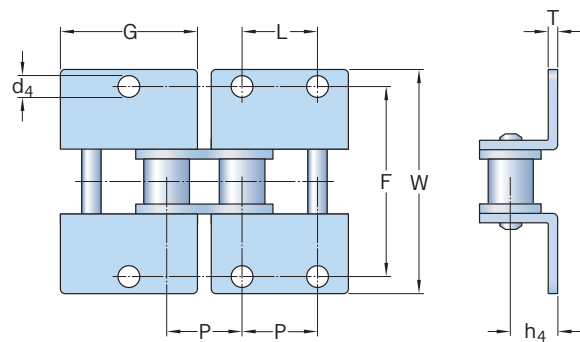
To complete designation, add attachment spacing and type followed by chain length. For example, PHC 80-1-L1SK1X10FT (ANSI 80-1 with SK-1 attachment on every link, 10 ft. length).  
Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC 80-1SS-L1SK1X10FT.

## Roller chain attachments

WA-1 · WA-2 | WK-1 · WK-2



WA-1, WA-2



WK-1, WK-2

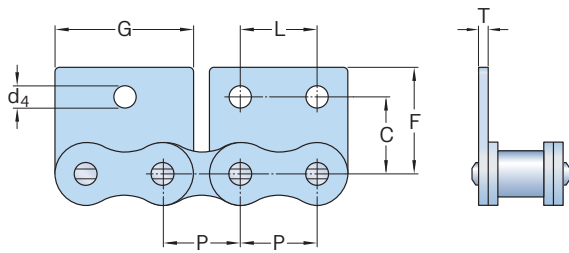
| ANSI Chain number | BS/ISO Chain number | Dimensions |        |       |        |       |      |                |                | Designation  |
|-------------------|---------------------|------------|--------|-------|--------|-------|------|----------------|----------------|--------------|
|                   |                     | P          | G      | L     | F      | W     | T    | h <sub>4</sub> | d <sub>4</sub> |              |
| –                 | –                   | mm         |        |       |        |       |      |                |                | –            |
| 35-1              | 06C-1               | 9.53       | 17.32  | 9.53  | 19.00  | 28.6  | 1.30 | 6.35           | 2.80           | PHC 35-1...  |
| 40-1              | 08A-1               | 12.70      | 23.00  | 12.70 | 25.40  | 35.6  | 1.50 | 7.90           | 3.40           | PHC 40-1...  |
| 41-1              | 085-1               | 12.70      | 22.30  | 12.70 | 24.00  | 35.0  | 1.30 | 7.20           | 4.85           | PHC 41-1...  |
| 50-1              | 10A-1               | 15.88      | 28.80  | 15.88 | 31.75  | 46.8  | 2.03 | 10.30          | 5.50           | PHC 50-1...  |
| 60-1              | 12A-1               | 19.05      | 34.65  | 19.05 | 38.10  | 56.4  | 2.42 | 11.90          | 5.50           | PHC 60-1...  |
| 80-1              | 16A-1               | 25.40      | 45.90  | 25.40 | 50.80  | 73.2  | 3.25 | 15.90          | 6.80           | PHC 80-1...  |
| 100-1             | 20A-1               | 31.75      | 57.65  | 31.75 | 63.50  | 89.8  | 4.00 | 19.80          | 9.20           | PHC 100-1... |
| 120-1             | 24A-1               | 38.10      | 69.30  | 38.10 | 76.20  | 108.8 | 4.80 | 23.00          | 9.80           | PHC 120-1... |
| 140-1             | 28A-1               | 44.45      | 80.45  | 44.45 | 88.90  | 123.0 | 5.60 | 28.60          | 11.40          | PHC 140-1... |
| 160-1             | 32A-1               | 50.80      | 92.00  | 50.80 | 101.60 | 142.8 | 6.40 | 31.75          | 13.10          | PHC 160-1... |
| 200-1             | 40A-1               | 63.50      | 115.50 | 63.50 | 127.00 | 179.0 | 8.00 | 42.88          | 16.30          | PHC 200-1... |
| –                 | 08B-1               | 12.70      | 24.00  | 12.70 | 25.40  | 36.4  | 1.60 | 8.90           | 4.30           | PHC 08B-1... |
| –                 | 10B-1               | 15.88      | 29.58  | 15.88 | 31.80  | 44.6  | 1.70 | 10.31          | 5.30           | PHC 10B-1... |
| –                 | 12B-1               | 19.05      | 34.05  | 19.05 | 38.10  | 52.0  | 1.85 | 13.46          | 6.40           | PHC 12B-1... |
| –                 | 16B-1               | 25.40      | 46.40  | 25.40 | 50.80  | 72.6  | 3.10 | 15.88          | 6.40           | PHC 16B-1... |
| –                 | 20B-1               | 31.75      | 58.10  | 31.75 | 63.00  | 100.5 | 3.50 | 19.80          | 9.00           | PHC 20B-1... |
| –                 | 24B-1               | 38.10      | 71.30  | 38.10 | 76.20  | 108.4 | 4.80 | 26.67          | 10.50          | PHC 24B-1... |
| –                 | 28B-1               | 44.45      | 81.10  | 44.45 | 88.90  | 123.0 | 6.00 | 28.58          | 13.10          | PHC 28B-1... |
| –                 | 32B-1               | 50.80      | 92.80  | 50.80 | 101.60 | 142.8 | 6.00 | 31.75          | 13.10          | PHC 32B-1... |

To complete designation, add attachment spacing and type followed by chain length. For example, PHC 80-1-L2WA2X10FT (ANSI 80-1 with WA-2 attachment on every second link, 10 ft. length).

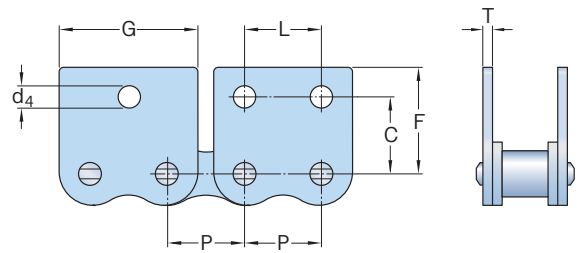
Note: 'WK' minimum attachment spacing is every second pitch only, due the width.

Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC 80-1SS-L2WA2X10FT.

# Roller chain attachments WSA-1 · WSA-2 | WSK-1 · WSK-2



WSA-1, WSA-2



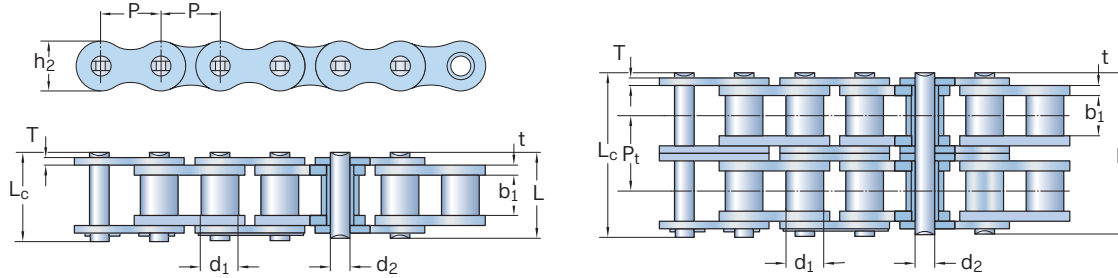
WSK-1, WSK-2

| ANSI<br>Chain<br>number | BS/ISO<br>Chain<br>number | Dimensions |        |       |       |       |      |                | Designation  |
|-------------------------|---------------------------|------------|--------|-------|-------|-------|------|----------------|--------------|
|                         |                           | P          | G      | L     | C     | F     | T    | d <sub>4</sub> |              |
| –                       | –                         | mm         |        |       |       |       |      |                | –            |
| 35-1                    | 06C-1                     | 9.53       | 17.32  | 9.53  | 9.50  | 14.55 | 1.30 | 2.8            | PHC 35-1...  |
| 40-1                    | 08A-1                     | 12.70      | 23.00  | 12.70 | 12.70 | 17.40 | 1.50 | 3.4            | PHC 40-1...  |
| 41-1                    | 085-1                     | 12.70      | 21.20  | 12.70 | 11.85 | 16.55 | 1.30 | 3.6            | PHC 41-1...  |
| 50-1                    | 10A-1                     | 15.88      | 28.80  | 15.88 | 15.90 | 23.05 | 2.03 | 5.5            | PHC 50-1...  |
| 60-1                    | 12A-1                     | 19.05      | 34.65  | 19.05 | 18.30 | 26.86 | 2.42 | 5.5            | PHC 60-1...  |
| 80-1                    | 16A-1                     | 25.40      | 45.90  | 25.40 | 24.60 | 35.45 | 3.25 | 6.8            | PHC 80-1...  |
| 100-1                   | 20A-1                     | 31.75      | 57.65  | 31.75 | 31.80 | 44.00 | 4.00 | 9.2            | PHC 100-1... |
| 120-1                   | 24A-1                     | 38.10      | 69.30  | 38.10 | 36.50 | 51.60 | 4.80 | 9.8            | PHC 120-1... |
| 140-1                   | 28A-1                     | 44.45      | 80.45  | 44.45 | 44.50 | 62.00 | 5.60 | 11.4           | PHC 140-1... |
| 160-1                   | 32A-1                     | 50.80      | 92.00  | 50.80 | 50.80 | 69.85 | 6.40 | 13.1           | PHC 160-1... |
| 200-1                   | 40A-1                     | 63.50      | 115.50 | 63.50 | 63.50 | 88.90 | 8.00 | 16.3           | PHC 200-1... |
| –                       | 08B-1                     | 12.70      | 23.30  | 12.70 | 13.35 | 18.90 | 1.60 | 4.3            | PHC 08B-1... |
| –                       | 10B-1                     | 15.88      | 29.58  | 15.88 | 16.50 | 22.95 | 1.70 | 5.3            | PHC 10B-1... |
| –                       | 12B-1                     | 19.05      | 34.05  | 19.05 | 21.45 | 28.60 | 1.85 | 6.4            | PHC 12B-1... |
| –                       | 16B-1                     | 25.40      | 46.40  | 25.40 | 23.15 | 34.00 | 3.10 | 6.4            | PHC 16B-1... |
| –                       | 20B-1                     | 31.75      | 58.10  | 31.75 | 30.50 | 45.70 | 3.50 | 9.0            | PHC 20B-1... |

To complete designation, add attachment spacing and type followed by chain length. For example, PHC 80-1-L4WSA1X10FT (ANSI 80-1 with WSA-1 attachment on every fourth link, 10 ft. length).  
Note: 'WK' minimum attachment spacing is every second pitch only, due the width.  
Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC 80-1SS L4WSA1X10FT.

## Extra performance chains

### XP Chains



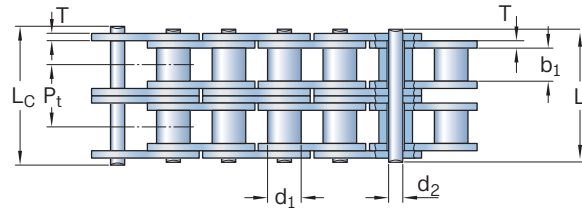
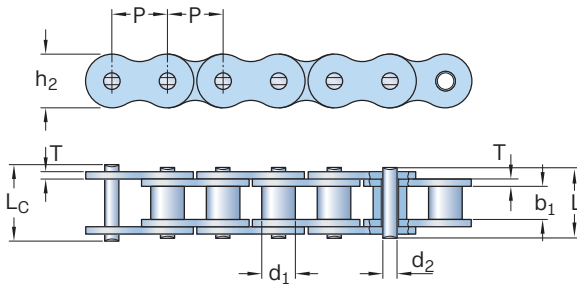
| BS/ISO Chain number | Dimensions |                                     |                                                | Pin diameter | Pin length |                     | Inner plate height | Plate thickness | Transverse pitch P <sub>t</sub> | Ultimate tensile strength Q <sub>Min.</sub> | Average tensile strength Q <sub>0</sub> | Weight per meter | Designation       |
|---------------------|------------|-------------------------------------|------------------------------------------------|--------------|------------|---------------------|--------------------|-----------------|---------------------------------|---------------------------------------------|-----------------------------------------|------------------|-------------------|
|                     | Pitch p    | Roller diameter d <sub>1</sub> Max. | Width between inner plates b <sub>1</sub> Min. |              | L Max.     | L <sub>c</sub> Max. |                    |                 |                                 |                                             |                                         |                  |                   |
| –                   | mm         |                                     |                                                |              |            |                     |                    |                 |                                 | kN                                          |                                         | kg/m             | –                 |
| 06B-1XP             | 9.525      | 6.35                                | 5.72                                           | 3.28         | 13.15      | 14.1                | 8.20               | 1.30            | –                               | 10.0                                        | 11.0                                    | 0.41             | PHC 06B-1X5MTR-XP |
| 08B-1XP             | 12.700     | 8.51                                | 7.75                                           | 4.45         | 16.70      | 18.2                | 11.80              | 1.60            | –                               | 21.0                                        | 23.0                                    | 0.69             | PHC 08B-1X5MTR-XP |
| 10B-1XP             | 15.875     | 10.16                               | 9.65                                           | 5.08         | 19.50      | 20.9                | 14.70              | 1.70            | –                               | 28.5                                        | 31.0                                    | 0.93             | PHC 10B-1X5MTR-XP |
| 12B-1XP             | 19.050     | 12.07                               | 11.68                                          | 5.72         | 22.50      | 24.2                | 16.00              | 1.85            | –                               | 33.0                                        | 36.0                                    | 1.15             | PHC 12B-1X5MTR-XP |
| 16B-1XP             | 25.400     | 15.88                               | 17.02                                          | 8.28         | 36.10      | 37.4                | 21.00              | 4.15            | –                               | 70.0                                        | 77.0                                    | 2.71             | PHC 16B-1X5MTR-XP |
| 20B-1v              | 31.750     | 19.05                               | 19.56                                          | 10.19        | 41.30      | 45.0                | 26.40              | 4.50            | –                               | 106.7                                       | 117.0                                   | 3.70             | PHC 20B-1X5MTR-XP |
| 24B-1XP             | 38.100     | 25.40                               | 25.40                                          | 14.63        | 53.40      | 57.8                | 33.20              | 6.00            | –                               | 176.0                                       | 193.0                                   | 7.10             | PHC 24B-1X5MTR-XP |
| 06B-2XP             | 9.525      | 6.35                                | 5.72                                           | 3.28         | 23.4       | 24.4                | 8.20               | 1.30            | 10.24                           | 18.5                                        | 20.0                                    | 0.77             | PHC 06B-2X5MTR-XP |
| 08B-2XP             | 12.700     | 8.51                                | 7.75                                           | 4.45         | 31.0       | 32.2                | 11.80              | 1.60            | 13.92                           | 36.0                                        | 39.0                                    | 1.34             | PHC 08B-2X5MTR-XP |
| 10B-2XP             | 15.875     | 10.16                               | 9.65                                           | 5.08         | 36.1       | 37.5                | 14.70              | 1.70            | 16.59                           | 55.6                                        | 61.0                                    | 1.84             | PHC 10B-2X5MTR-XP |
| 12B-2XP             | 19.050     | 12.07                               | 11.68                                          | 5.72         | 42.0       | 43.6                | 16.00              | 1.85            | 19.46                           | 63.5                                        | 69.0                                    | 2.31             | PHC 12B-2X5MTR-XP |
| 16B-2XP             | 25.400     | 15.88                               | 17.02                                          | 8.28         | 68.0       | 69.3                | 21.00              | 4.15            | 31.88                           | 121.9                                       | 134.0                                   | 5.42             | PHC 16B-2X5MTR-XP |
| 20B-2XP             | 31.750     | 19.05                               | 19.56                                          | 10.19        | 77.8       | 81.5                | 26.40              | 4.50            | 36.45                           | 211.2                                       | 232.0                                   | 7.20             | PHC 20B-2X5MTR-XP |
| 24B-2XP             | 38.100     | 25.40                               | 25.40                                          | 14.63        | 101.7      | 106.2               | 33.20              | 6.00            | 48.36                           | 308.0                                       | 338.0                                   | 13.40            | PHC 24B-2X5MTR-XP |

| ANSI Chain number | Dimensions |                                     |                                                | Pin diameter | Pin length |                     | Inner plate height | Plate thickness t / T Max. | Transverse pitch P <sub>t</sub> | Ultimate tensile strength Q <sub>Min.</sub> | Average tensile strength Q <sub>0</sub> | Weight per meter | Designation       |
|-------------------|------------|-------------------------------------|------------------------------------------------|--------------|------------|---------------------|--------------------|----------------------------|---------------------------------|---------------------------------------------|-----------------------------------------|------------------|-------------------|
|                   | Pitch p    | Roller diameter d <sub>1</sub> Max. | Width between inner plates b <sub>1</sub> Min. |              | L Max.     | L <sub>c</sub> Max. |                    |                            |                                 |                                             |                                         |                  |                   |
| –                 | mm         |                                     |                                                |              |            |                     |                    |                            |                                 | kN/lbf                                      | kN/lbf                                  | kg/m             | –                 |
| 35-1XP            | 9.525      | 5.08                                | 4.77                                           | 3.58         | 12.40      | 13.17               | 9.00               | 1.30                       | –                               | 9.5 / 2136                                  | 13.3 / 2990                             | 0.38             | PHC 35-1X10FT-XP  |
| 40-1XP            | 12.700     | 7.92                                | 7.85                                           | 3.96         | 16.60      | 17.80               | 12.00              | 1.50                       | –                               | 16.7 / 3754                                 | 18.1 / 4069                             | 0.68             | PHC 40-1X10FT-XP  |
| 50-1XP            | 15.875     | 10.16                               | 9.40                                           | 5.08         | 20.70      | 22.20               | 15.09              | 2.03                       | –                               | 28.3 / 6362                                 | 30.8 / 6924                             | 1.13             | PHC 50-1X10FT-XP  |
| 60-1XP            | 19.050     | 11.91                               | 12.57                                          | 5.94         | 25.90      | 27.70               | 18.00              | 2.42                       | –                               | 37.6 / 8452                                 | 45 / 10116                              | 1.62             | PHC 60-1X10FT-XP  |
| 80-1XP            | 25.400     | 15.88                               | 15.75                                          | 7.92         | 32.70      | 35.00               | 24.00              | 3.25                       | –                               | 66.7 / 14994                                | 77.8 / 17490                            | 2.78             | PHC 80-1X10FT-XP  |
| 100-1XP           | 31.750     | 19.05                               | 18.90                                          | 9.53         | 40.40      | 44.70               | 30.00              | 4.00                       | –                               | 95.7 / 21513                                | 111.7 / 25111                           | 4.25             | PHC 100-1X10FT-XP |
| 120-1XP           | 38.100     | 22.23                               | 25.22                                          | 11.10        | 50.30      | 54.30               | 35.70              | 4.80                       | –                               | 137.5 / 30910                               | 151.4 / 34036                           | 6.08             | PHC 120-1X10FT-XP |
| 35-2XP            | 9.525      | 5.08                                | 4.77                                           | 3.58         | 22.50      | 23.30               | 9.00               | 1.30                       | 10.13                           | 19.0 / 4271                                 | 25.8 / 5800                             | 0.62             | PHC 35-2X10FT-XP  |
| 40-2XP            | 12.700     | 7.92                                | 7.85                                           | 3.96         | 31.00      | 32.20               | 12.00              | 1.50                       | 14.38                           | 33.4 / 7508                                 | 37.4 / 8408                             | 1.36             | PHC 40-2X10FT-XP  |
| 50-2XP            | 15.875     | 10.16                               | 9.40                                           | 5.08         | 38.90      | 40.40               | 15.09              | 2.03                       | 18.11                           | 56.7 / 12746                                | 64.1 / 14410                            | 1.98             | PHC 50-2X10FT-XP  |
| 60-2XP            | 19.050     | 11.91                               | 12.57                                          | 5.94         | 48.80      | 50.50               | 18.00              | 2.42                       | 22.78                           | 75.1 / 16882                                | 95.2 / 21402                            | 3.10             | PHC 60-2X10FT-XP  |
| 80-2XP            | 25.400     | 15.88                               | 15.75                                          | 7.92         | 62.70      | 64.00               | 24.00              | 3.25                       | 29.29                           | 133.4 / 29988                               | 157.9 / 35497                           | 5.21             | PHC 80-2X10FT-XP  |
| 100-2XP           | 31.750     | 19.05                               | 18.90                                          | 9.53         | 76.40      | 80.50               | 30.00              | 4.00                       | 35.76                           | 191.4 / 43027                               | 229.9 / 51684                           | 8.40             | PHC 100-2X10FT-XP |
| 120-2XP           | 38.100     | 22.23                               | 25.22                                          | 11.10        | 95.80      | 99.70               | 35.70              | 4.80                       | 45.44                           | 275.0 / 61820                               | 291.8 / 65600                           | 12.07            | PHC 120-2X10FT-XP |

Note: The ANSI series XP Chains are also available in 5 meter versions. For example, PHC 35-1X5MTR-XP  
For further information, please contact SKF.

## Extra strength chains

### H Chains | SH Chains



| Extra strength type | ANSI Chain number    | Dimensions |                                        |                                                   | Pin diameter        | Pin length |                     | Pin length cottered | Inner plate height  | Plate thickness | Transverse pitch | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation     |
|---------------------|----------------------|------------|----------------------------------------|---------------------------------------------------|---------------------|------------|---------------------|---------------------|---------------------|-----------------|------------------|---------------------------|--------------------------|----------------|-----------------|
|                     |                      | Pitch<br>p | Roller diameter<br>d <sub>1</sub> Max. | Width between inner plates<br>b <sub>1</sub> Min. | d <sub>2</sub> Max. | L Max.     | L <sub>c</sub> Max. | L <sub>c</sub> Max. | h <sub>2</sub> Max. | T Max.          | P <sub>t</sub>   | Q Min.                    | Q <sub>0</sub>           |                |                 |
| –                   | –                    | mm         |                                        |                                                   |                     |            |                     |                     |                     |                 |                  | kN                        |                          | kg/m           | –               |
| H                   | 35H-1 <sup>1)</sup>  | 9.53       | 5.08                                   | 4.77                                              | 3.58                | 13.3       | 14.3                | –                   | 9.00                | 1.50            | –                | 7.9                       | 10.8                     | 0.41           | PHC 35H-1...    |
|                     | 40H-1                | 12.70      | 7.95                                   | 7.85                                              | 3.96                | 18.8       | 19.9                | –                   | 12.00               | 2.03            | –                | 14.1                      | 19.1                     | 0.82           | PHC 40H-1...    |
|                     | 50H-1                | 15.88      | 10.16                                  | 9.40                                              | 5.08                | 22.1       | 23.4                | 24.4                | 15.09               | 2.42            | –                | 22.2                      | 30.2                     | 1.25           | PHC 50H-1...    |
|                     | 60H-1                | 19.05      | 11.91                                  | 12.57                                             | 5.94                | 29.2       | 31.0                | 31.6                | 18.00               | 3.25            | –                | 31.8                      | 42.7                     | 1.87           | PHC 60H-1...    |
|                     | 80H-1                | 25.40      | 15.88                                  | 15.75                                             | 7.92                | 36.2       | 37.7                | 39.4                | 24.00               | 4.00            | –                | 56.7                      | 71.4                     | 3.10           | PHC 80H-1...    |
|                     | 100H-1               | 31.75      | 19.05                                  | 18.90                                             | 9.53                | 43.6       | 46.9                | 46.9                | 30.00               | 4.80            | –                | 88.5                      | 112.4                    | 4.52           | PHC 100H-1...   |
|                     | 120H-1               | 38.10      | 22.23                                  | 25.22                                             | 11.10               | 53.5       | 57.5                | 57.5                | 35.70               | 5.60            | –                | 127.0                     | 160.9                    | 6.60           | PHC 120H-1...   |
|                     | 140H-1               | 44.45      | 25.40                                  | 25.22                                             | 12.70               | 57.6       | 62.2                | 62.2                | 41.00               | 6.40            | –                | 172.4                     | 217.3                    | 8.30           | PHC 140H-1...   |
|                     | 160H-1               | 50.80      | 28.58                                  | 31.55                                             | 14.27               | 68.2       | 73.0                | 73.0                | 47.80               | 7.20            | –                | 226.8                     | 285.8                    | 10.30          | PHC 160H-1...   |
|                     | 180H-1               | 57.15      | 35.71                                  | 35.48                                             | 17.46               | 75.9       | 81.6                | –                   | 53.60               | 8.00            | –                | 281.0                     | 341.8                    | 14.83          | PHC 180H-1...   |
|                     | 200H-1               | 63.50      | 39.68                                  | 37.85                                             | 19.85               | 86.6       | 93.5                | 93.5                | 60.00               | 9.50            | –                | 353.8                     | 444.5                    | 19.16          | PHC 200H-1...   |
|                     | 240H-1               | 76.20      | 47.63                                  | 47.35                                             | 23.81               | 109.6      | 115.9               | –                   | 72.30               | 12.70           | –                | 500.0                     | 600.0                    | 30.40          | PHC 240H-1...   |
|                     | 60H-2                | 19.05      | 11.91                                  | 12.57                                             | 5.94                | 55.3       | 57.1                | 57.7                | 18.00               | 3.25            | 26.11            | 63.6                      | 84.5                     | 3.71           | PHC 60H-2...    |
|                     | 80H-2                | 25.40      | 15.88                                  | 15.75                                             | 7.92                | 68.8       | 70.3                | 72.0                | 24.00               | 4.00            | 32.59            | 113.4                     | 145.3                    | 6.15           | PHC 80H-2...    |
|                     | 100H-2               | 31.75      | 19.05                                  | 18.90                                             | 9.53                | 82.7       | 86.0                | 86.0                | 30.00               | 4.80            | 39.09            | 177.0                     | 225.9                    | 9.03           | PHC 100H-2...   |
|                     | 120H-2               | 38.10      | 22.23                                  | 25.22                                             | 11.10               | 102.4      | 106.4               | 106.4               | 35.70               | 5.60            | 48.87            | 254.0                     | 322.7                    | 13.13          | PHC 120H-2...   |
|                     | 140H-2               | 44.45      | 25.40                                  | 25.22                                             | 12.70               | 109.8      | 114.4               | 114.4               | 41.00               | 6.40            | 52.20            | 344.8                     | 437.7                    | 16.60          | PHC 140H-2...   |
|                     | 160H-2               | 50.80      | 28.58                                  | 31.55                                             | 14.27               | 130.1      | 134.9               | 134.9               | 47.80               | 7.20            | 61.90            | 453.6                     | 571.6                    | 20.20          | PHC 160H-2...   |
|                     | 200H-2               | 63.50      | 39.68                                  | 37.85                                             | 19.85               | 164.9      | 171.8               | 171.8               | 60.00               | 9.50            | 78.31            | 707.6                     | 894.9                    | 38.11          | PHC 200H-2...   |
|                     | 240H-2               | 76.20      | 407.63                                 | 47.35                                             | 23.81               | 211.0      | 217.3               | 217.3               | 72.30               | 12.70           | 47.35            | 1000.0                    | 1200.0                   | 64.78          | PHC 240H-2...   |
|                     | 60H-3                | 19.05      | 11.91                                  | 12.57                                             | 5.94                | 81.4       | 83.2                | 83.8                | 18.00               | 3.25            | 26.11            | 95.4                      | 113.9                    | 5.54           | PHC 60H-3...    |
|                     | 80H-3                | 25.40      | 15.88                                  | 15.75                                             | 7.92                | 101.4      | 102.9               | 104.6               | 24.00               | 4.00            | 32.59            | 170.1                     | 203.5                    | 9.42           | PHC 80H-3...    |
|                     | 100H-3               | 31.75      | 19.05                                  | 18.90                                             | 9.53                | 121.8      | 125.1               | 125.1               | 30.00               | 4.80            | 39.09            | 265.5                     | 314.8                    | 12.96          | PHC 100H-3...   |
|                     | 120H-3               | 38.10      | 22.23                                  | 25.22                                             | 11.10               | 151.2      | 155.2               | 155.2               | 35.70               | 5.60            | 48.87            | 381.0                     | 444.7                    | 19.64          | PHC 120H-3...   |
|                     | 140H-3               | 44.45      | 25.40                                  | 25.22                                             | 12.70               | 162.0      | 166.6               | 166.6               | 41.00               | 6.40            | 52.20            | 517.2                     | 598.4                    | 24.90          | PHC 140H-3...   |
|                     | 160H-3               | 50.80      | 28.58                                  | 31.55                                             | 14.27               | 192.0      | 196.8               | 196.8               | 47.80               | 7.20            | 61.90            | 680.4                     | 787.3                    | 30.10          | PHC 160H-3...   |
|                     | 200H-3               | 63.50      | 39.68                                  | 37.85                                             | 19.85               | 243.2      | 250.1               | 250.1               | 60.00               | 9.50            | 78.31            | 1061.4                    | 1228.2                   | 57.06          | PHC 200H-3...   |
|                     | 240H-3               | 76.20      | 47.63                                  | 47.35                                             | 23.81               | 312.0      | 318.3               | 318.3               | 72.30               | 12.70           | 47.35            | 1500.0                    | 1650.0                   | 70.53          | PHC 240H-3...   |
| SH                  | 25SH-1 <sup>1)</sup> | 6.35       | 3.30                                   | 3.18                                              | 2.01                | 9.0        | –                   | –                   | 6.00                | 2.01            | –                | 5.1                       | 5.6                      | 2.17           | PHC 25SH-1X...  |
|                     | 35SH-1 <sup>1)</sup> | 9.53       | 5.08                                   | 4.77                                              | 3.58                | 13.3       | 14.3                | –                   | 9.00                | 1.50            | –                | 11.0                      | 13.6                     | 0.41           | PHC 35SH-1X...  |
|                     | 40SH-1               | 12.70      | 7.95                                   | 7.85                                              | 3.96                | 18.8       | 19.9                | –                   | 12.00               | 2.03            | –                | 22.4                      | 24.8                     | 0.82           | PHC 40SH-1X...  |
|                     | 50SH-1               | 15.88      | 10.16                                  | 9.40                                              | 5.08                | 22.1       | 23.4                | –                   | 15.09               | 2.42            | –                | 30.4                      | 36.2                     | 1.25           | PHC 50SH-1X...  |
|                     | 60SH-1               | 19.05      | 11.91                                  | 12.57                                             | 5.94                | 29.2       | 31.6                | –                   | 18.00               | 3.25            | –                | 44.1                      | 50.4                     | 1.87           | PHC 60SH-1X...  |
|                     | 80SH-1               | 25.40      | 15.88                                  | 15.75                                             | 7.92                | 36.2       | 37.7                | –                   | 24.00               | 4.00            | –                | 88.2                      | 93.0                     | 3.10           | PHC 80SH-1X...  |
|                     | 100SH-1              | 31.75      | 19.05                                  | 18.90                                             | 9.53                | 43.6       | 46.9                | –                   | 30.00               | 4.80            | –                | 116.6                     | 129.1                    | 4.52           | PHC 100SH-1X... |
|                     | 120SH-1              | 38.10      | 22.23                                  | 25.22                                             | 11.10               | 53.5       | 57.5                | –                   | 35.70               | 5.60            | –                | 158.2                     | 175.3                    | 6.60           | PHC 120SH-1X... |
|                     | 140SH-1              | 44.45      | 25.40                                  | 25.22                                             | 12.70               | 57.6       | 62.2                | –                   | 41.00               | 6.40            | –                | 206.0                     | 266.5                    | 8.30           | PHC 140SH-1X... |
|                     | 160SH-1              | 50.80      | 28.58                                  | 31.55                                             | 14.27               | 68.2       | 73.0                | –                   | 47.80               | 7.20            | –                | 274.0                     | 293.0                    | 10.30          | PHC 160SH-1X... |
|                     | 200SH-1              | 63.50      | 39.68                                  | 37.85                                             | 19.85               | 86.6       | 93.5                | –                   | 60.00               | 9.50            | –                | 506.1                     | 562.3                    | 19.16          | PHC 200SH-1X... |
|                     | 240SH-1              | 76.20      | 47.63                                  | 47.35                                             | 23.81               | 109.6      | 115.9               | –                   | 72.30               | 12.70           | –                | 650.00                    | 715.0                    | 32.81          | PHC 240SH-1X... |

<sup>1)</sup> Bushing chain: d<sub>1</sub> indicates external diameter of bushing.

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 160H-1 is PHC 160H-1X5MTR.

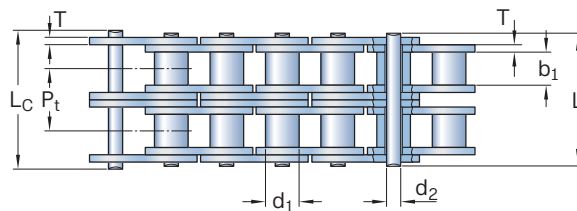
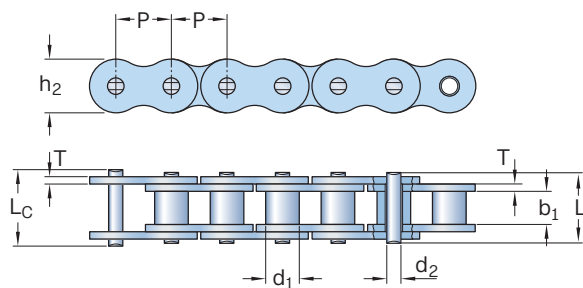
One connecting link is contained per chain. For additional links, add "C/L" for connecting and "O/L" for "offset" to the designation.

For cottered, add a "C" after the number of strands. For example, 160H-1 with a cottered pin is designated PHC 160H-1C...

For heavy duty multistrand chain drives with H, SH or SHH chains, special sprockets are needed due to differences in transverse pitch.

# Extra strength chains

## SPH Chains | SHH Chains



| Extra strength type | ANSI Chain number | Dimensions |                 |                            | Pin diameter | Pin length | Pin length cottered | Inner plate height | Plate thickness | Transverse pitch | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation |                  |
|---------------------|-------------------|------------|-----------------|----------------------------|--------------|------------|---------------------|--------------------|-----------------|------------------|---------------------------|--------------------------|----------------|-------------|------------------|
|                     |                   | Pitch      | Roller diameter | Width between inner plates |              |            |                     |                    |                 |                  | Q Min.                    | Q0                       |                |             |                  |
|                     |                   | p          | d1 Max.         | b1 Min.                    | d2 Max.      | L Max.     | Lc Max.             | h2 Max.            | T Max.          | Pt               |                           |                          |                |             |                  |
|                     |                   | mm         |                 |                            |              |            |                     |                    |                 |                  |                           | kN                       | kg/m           | –           |                  |
| SPH                 | 80SPH-1           | 25.40      | 15.88           | 15.75                      | 7.94         | 32.7       | 36.5                | –                  | 24.10           | 3.20             | –                         | 77.5                     | 85.3           | 2.86        | PHC80SPH-1X...   |
|                     | 100SPH-1          | 31.75      | 19.05           | 18.95                      | 9.54         | 40.4       | 44.7                | –                  | 30.10           | 4.00             | –                         | 115.5                    | 127.0          | 4.21        | PHC100SPH-1X...  |
|                     | 120SPH-1          | 38.10      | 22.23           | 25.22                      | 11.11        | 50.3       | 54.3                | –                  | 36.20           | 4.80             | –                         | 165.0                    | 186.0          | 6.36        | PHC120SPH-1X...  |
|                     | 140SPH-1          | 44.45      | 25.40           | 25.22                      | 12.71        | 54.4       | 59.0                | –                  | 42.20           | 5.60             | –                         | 222.7                    | 245.0          | 8.04        | PHC140SPH-1X...  |
|                     | 160SPH-1          | 50.80      | 28.58           | 31.55                      | 14.29        | 64.8       | 69.6                | –                  | 48.20           | 6.40             | –                         | 285.5                    | 314.0          | 10.80       | PHC160SPH-1X...  |
|                     | 200SPH-1          | 63.50      | 39.68           | 37.85                      | 19.85        | 80.3       | 87.2                | –                  | 60.30           | 8.00             | –                         | 445.5                    | 490.0          | 18.00       | PHC 200SPH-1X... |
|                     | 80SPH-2           | 25.40      | 15.88           | 15.75                      | 7.94         | 62.7       | 65.8                | –                  | 24.10           | 3.20             | 29.29                     | 155.0                    | 170.6          | 5.68        | PHC80SPH-2X...   |
|                     | 100SPH-2          | 31.75      | 19.05           | 18.95                      | 9.54         | 76.4       | 80.5                | –                  | 30.10           | 4.00             | 35.76                     | 231.0                    | 255.0          | 8.34        | PHC100SPH-2X...  |
|                     | 120SPH-2          | 38.10      | 22.23           | 25.22                      | 11.11        | 95.8       | 99.7                | –                  | 36.20           | 4.80             | 45.34                     | 339.0                    | 373.0          | 12.63       | PHC120SPH-2X...  |
|                     | 140SPH-2          | 44.45      | 25.40           | 25.22                      | 12.71        | 103.3      | 107.9               | –                  | 42.20           | 5.60             | 48.87                     | 445.5                    | 490.0          | 15.92       | PHC140SPH-2X...  |
|                     | 160SPH-2          | 50.80      | 28.58           | 31.55                      | 14.29        | 123.3      | 128.1               | –                  | 48.20           | 6.40             | 58.55                     | 571.0                    | 628.0          | 21.43       | PHC160SPH-2X...  |
|                     | 200SPH-2          | 63.50      | 39.68           | 37.85                      | 19.85        | 151.9      | 158.8               | –                  | 60.30           | 8.00             | 71.55                     | 892.0                    | 981.0          | 35.00       | PHC 200SPH-2X... |
|                     | 80SPH-3           | 25.40      | 15.88           | 15.75                      | 7.94         | 91.7       | 95.1                | –                  | 24.10           | 3.20             | 29.29                     | 232.5                    | 255.9          | 8.18        | PHC80SPH-3X...   |
|                     | 100SPH-3          | 31.75      | 19.05           | 18.95                      | 9.54         | 112.2      | 116.3               | –                  | 30.10           | 4.00             | 35.76                     | 347.3                    | 382.0          | 12.47       | PHC100SPH-3X...  |
|                     | 120SPH-3          | 38.10      | 22.23           | 25.22                      | 11.11        | 141.4      | 145.2               | –                  | 36.20           | 4.80             | 45.34                     | 508.0                    | 559.0          | 18.90       | PHC120SPH-3X...  |
|                     | 140SPH-3          | 44.45      | 25.40           | 25.22                      | 12.71        | 152.2      | 156.8               | –                  | 42.20           | 5.60             | 48.87                     | 688.0                    | 735.0          | 23.84       | PHC140SPH-3X...  |
|                     | 160SPH-3          | 50.80      | 28.58           | 31.55                      | 14.29        | 181.8      | 186.6               | –                  | 48.20           | 6.40             | 58.55                     | 855.5                    | 941.0          | 32.10       | PHC160SPH-3X...  |
|                     | 200SPH-3          | 63.50      | 39.68           | 37.85                      | 19.85        | 223.5      | 230.4               | –                  | 60.30           | 8.00             | 71.55                     | 1336.4                   | 1470.0         | 52.50       | PHC 200SPH-3X... |
| SHH                 | 80SHH-1           | 25.40      | 15.88           | 15.75                      | 7.94         | 36.2       | 38.9                | –                  | 24.10           | 4.00             | –                         | 89.2                     | 98.1           | 3.36        | PHC 80SHH-1X...  |
|                     | 100SHH-1          | 31.75      | 19.05           | 18.90                      | 9.54         | 43.6       | 46.9                | –                  | 30.10           | 4.80             | –                         | 131.8                    | 145.0          | 4.90        | PHC 100SHH-1X... |
|                     | 120SHH-1          | 38.10      | 22.23           | 25.22                      | 11.11        | 53.5       | 57.5                | –                  | 36.20           | 5.60             | –                         | 176.0                    | 196.0          | 7.12        | PHC 120SHH-1X... |
|                     | 140SHH-1          | 44.45      | 25.40           | 25.22                      | 12.71        | 57.6       | 62.2                | –                  | 42.20           | 6.40             | –                         | 231.9                    | 255.0          | 8.88        | PHC 140SHH-1X... |
|                     | 160SHH-1          | 50.80      | 28.58           | 31.55                      | 14.29        | 68.2       | 73.0                | –                  | 48.20           | 7.20             | –                         | 294.5                    | 324.0          | 11.72       | PHC 160SHH-1X... |
|                     | 200SHH-1          | 63.50      | 39.68           | 37.85                      | 19.85        | 86.6       | 93.5                | –                  | 60.30           | 9.50             | –                         | 543.6                    | 598.0          | 19.80       | PHC 200SHH-1X... |
|                     | 240SHH-1          | 76.20      | 47.63           | 47.35                      | 23.81        | 109.6      | 115.9               | –                  | 72.35           | 12.70            | –                         | 801.7                    | 922.0          | 32.25       | PHC 240SHH-1X... |
|                     | 80SHH-2           | 25.40      | 15.88           | 15.75                      | 7.94         | 68.8       | 72.0                | –                  | 24.10           | 4.00             | 32.59                     | 178.4                    | 196.2          | 6.65        | PHC 80SHH-2X...  |
|                     | 100SHH-2          | 31.75      | 19.05           | 18.90                      | 9.54         | 82.7       | 86.0                | –                  | 30.10           | 4.80             | 39.09                     | 263.6                    | 290.0          | 9.71        | PHC 100SHH-2X... |
|                     | 120SHH-2          | 38.10      | 22.23           | 25.22                      | 11.11        | 102.4      | 106.4               | –                  | 36.20           | 5.60             | 48.87                     | 356.4                    | 392.0          | 14.12       | PHC 120SHH-2X... |
|                     | 140SHH-2          | 44.45      | 25.40           | 25.22                      | 12.71        | 109.8      | 114.4               | –                  | 42.20           | 6.40             | 52.20                     | 463.6                    | 510.0          | 17.38       | PHC 140SHH-2X... |
|                     | 160SHH-2          | 50.80      | 28.58           | 31.55                      | 14.29        | 130.1      | 134.9               | –                  | 48.20           | 7.20             | 61.90                     | 588.0                    | 647.0          | 23.00       | PHC 160SHH-2X... |
|                     | 200SHH-2          | 63.50      | 39.68           | 37.85                      | 19.85        | 164.9      | 171.8               | –                  | 60.30           | 9.50             | 78.31                     | 1 091.0                  | 1 200.0        | 38.50       | PHC 200SHH-2X... |
|                     | 240SHH-2          | 76.20      | 47.63           | 47.35                      | 23.81        | 211.0      | 217.3               | –                  | 72.35           | 12.70            | 101.22                    | 1 603.4                  | 1 763.0        | 68.18       | PHC 240SHH-2X... |
|                     | 80SHH-3           | 25.40      | 15.88           | 15.75                      | 7.94         | 101.4      | 104.6               | –                  | 24.10           | 4.00             | 32.59                     | 267.6                    | 294.3          | 9.95        | PHC 80SHH-3X...  |
|                     | 100SHH-3          | 31.75      | 19.05           | 18.90                      | 9.54         | 121.8      | 125.1               | –                  | 30.10           | 4.80             | 39.09                     | 395.4                    | 435.0          | 14.53       | PHC 100SHH-3X... |
|                     | 120SHH-3          | 38.10      | 22.23           | 25.22                      | 11.11        | 151.2      | 155.2               | –                  | 36.20           | 5.60             | 48.87                     | 534.5                    | 588.0          | 21.12       | PHC 120SHH-3X... |
|                     | 140SHH-3          | 44.45      | 25.40           | 25.22                      | 12.71        | 162.0      | 166.6               | –                  | 42.20           | 6.40             | 52.20                     | 695.5                    | 765.0          | 25.88       | PHC 140SHH-3X... |
|                     | 160SHH-3          | 50.80      | 28.58           | 31.55                      | 14.29        | 192.0      | 196.8               | –                  | 48.20           | 7.20             | 61.90                     | 882.7                    | 971.0          | 34.22       | PHC 160SHH-3X... |
|                     | 200SHH-3          | 63.50      | 39.68           | 37.85                      | 19.85        | 243.2      | 250.1               | –                  | 60.30           | 9.50             | 78.31                     | 1 627.3                  | 1 790.0        | 57.29       | PHC 200SHH-3X... |
|                     | 240SHH-3          | 76.20      | 47.63           | 47.35                      | 23.81        | 312.0      | 318.3               | –                  | 72.35           | 12.70            | 101.22                    | 2 405.1                  | 2 645.0        | 92.45       | PHC 240SHH-3X... |

<sup>1)</sup> Bushing chain: d1 indicates external diameter of bushing.

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 160H-1 is PHC 160H-1X5MTR.

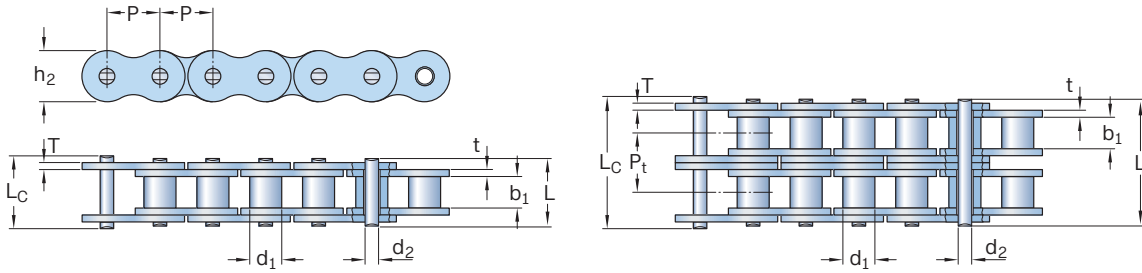
One connecting link is contained per chain. For additional links, add "C/L" for connecting and "O/L" for "offset" to the designation.

For cottered, add a "C" after the number of strands. For example, 160H-1 with a cottered pin is designated PHC 160H-1C...

For heavy duty multistrand chain drives with H, SH or SHH chains, special sprockets are needed due to differences in transverse pitch.

## Corrosion resistant chains

Stainless steel chains | Nickel-plated, zinc-plated and dacrotized chains

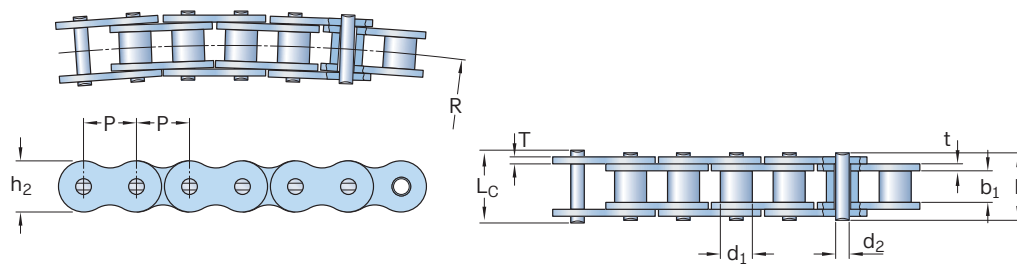


| Corrosion resistance type | Chain number         | Dimensions |                     |                            | Pin diameter        | Pin length |                     | Inner plate height  | Plate thickness |        | Ultimate tensile strength | Mass per meter | Designation    |
|---------------------------|----------------------|------------|---------------------|----------------------------|---------------------|------------|---------------------|---------------------|-----------------|--------|---------------------------|----------------|----------------|
|                           |                      | Pitch      | Roller diameter     | Width between inner plates |                     |            |                     |                     |                 |        |                           |                |                |
|                           |                      | P          | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max.     | L <sub>c</sub> Max. | h <sub>2</sub> Max. | t Max.          | T Max. | Q Min.                    |                |                |
| –                         | –                    | mm         |                     |                            |                     |            |                     |                     |                 |        | kN                        | kg/m           | –              |
| SS                        | 25-1SS <sup>1)</sup> | 6.35       | 3.30                | 3.18                       | 2.31                | 7.90       | 8.40                | 6.00                | 0.80            | 0.80   | 2.5                       | 0.15           | PHC 25-1SS...  |
| Plated                    | 25-1 <sup>1)</sup>   | 6.35       | 3.30                | 3.18                       | 2.31                | 7.90       | 8.40                | 6.00                | 0.80            | 0.80   | 3.5                       | 0.15           | PHC 25-1...    |
| SS                        | 35-1SS <sup>1)</sup> | 9.53       | 5.08                | 4.77                       | 3.58                | 12.40      | 13.17               | 9.00                | 1.30            | 1.30   | 5.5                       | 0.33           | PHC 35-1SS...  |
| Plated                    | 35-1 <sup>1)</sup>   | 9.53       | 5.08                | 4.77                       | 3.58                | 12.40      | 13.17               | 9.00                | 1.30            | 1.30   | 7.9                       | 0.33           | PHC 35-1...    |
| SS                        | 40-1SS               | 12.70      | 7.95                | 7.85                       | 3.96                | 16.60      | 17.80               | 12.00               | 1.50            | 1.50   | 9.6                       | 0.63           | PHC 40-1SS...  |
| Plated                    | 40-1                 | 12.70      | 7.95                | 7.85                       | 3.96                | 16.60      | 17.80               | 12.00               | 1.50            | 1.50   | 14.1                      | 0.62           | PHC 40-1...    |
| SS                        | 41-1SS               | 12.70      | 7.77                | 6.25                       | 3.58                | 13.75      | 15.00               | 9.91                | 1.30            | 1.30   | 6.0                       | 0.46           | PHC 41-1SS...  |
| Plated                    | 41-1                 | 12.70      | 7.77                | 6.25                       | 3.58                | 13.75      | 15.00               | 9.91                | 1.30            | 1.30   | 6.7                       | 0.41           | PHC 41-1...    |
| SS                        | 50-1SS               | 15.88      | 10.16               | 9.40                       | 5.08                | 20.70      | 22.20               | 15.09               | 2.03            | 2.03   | 15.2                      | 1.03           | PHC 50-1SS...  |
| Plated                    | 50-1                 | 15.88      | 10.16               | 9.40                       | 5.08                | 20.70      | 22.20               | 15.09               | 2.03            | 2.03   | 22.2                      | 1.02           | PHC 50-1...    |
| SS                        | 60-1SS               | 19.05      | 11.91               | 12.57                      | 5.94                | 25.90      | 27.70               | 18.00               | 2.42            | 2.42   | 21.7                      | 1.51           | PHC 60-1SS...  |
| Plated                    | 60-1                 | 19.05      | 11.91               | 12.57                      | 5.94                | 25.90      | 27.70               | 18.00               | 2.42            | 2.42   | 31.8                      | 1.50           | PHC 60-1...    |
| SS                        | 80-1SS               | 25.40      | 15.88               | 15.75                      | 7.92                | 32.70      | 35.00               | 24.00               | 3.25            | 3.25   | 38.9                      | 2.62           | PHC 80-1SS...  |
| Plated                    | 80-1                 | 25.40      | 15.88               | 15.75                      | 7.92                | 32.70      | 35.00               | 24.00               | 3.25            | 3.25   | 56.7                      | 2.60           | PHC 80-1...    |
| SS                        | 100-1SS              | 31.75      | 19.05               | 18.90                      | 9.53                | 40.40      | 44.70               | 30.00               | 4.00            | 4.00   | 60.0                      | 3.94           | PHC 100-1SS... |
| Plated                    | 100-1                | 31.75      | 19.05               | 18.90                      | 9.53                | 40.40      | 44.70               | 30.00               | 4.00            | 4.00   | 88.5                      | 3.91           | PHC 100-1...   |
| SS                        | 120-1SS              | 38.10      | 22.23               | 25.22                      | 11.10               | 50.30      | 54.30               | 35.70               | 4.80            | 4.80   | 72.5                      | 5.72           | PHC 120-1SS... |
| Plated                    | 120-1                | 38.10      | 22.23               | 25.22                      | 11.10               | 50.30      | 54.30               | 35.70               | 4.80            | 4.80   | 127.0                     | 5.62           | PHC 120-1...   |
| SS                        | 140-1SS              | 44.45      | 25.40               | 25.22                      | 12.70               | 54.40      | 59.00               | 41.00               | 5.60            | 5.60   | 94.0                      | 7.70           | PHC 140-1SS... |
| Plated                    | 140-1                | 44.45      | 25.40               | 25.22                      | 12.70               | 54.40      | 59.00               | 41.00               | 5.60            | 5.60   | 172.4                     | 7.50           | PHC 140-1...   |
| Plated                    | 160-1                | 50.80      | 28.58               | 31.55                      | 14.27               | 64.80      | 69.60               | 47.80               | 6.40            | 6.40   | 226.8                     | 10.10          | PHC 160-1...   |
| SS                        | 04B-1SS              | 6.00       | 4.00                | 2.80                       | 1.85                | 6.80       | 7.80                | 5.00                | 0.60            | 0.60   | 2.0                       | 0.11           | PHC 04B-1SS... |
| Plated                    | 04B-1                | 6.00       | 4.00                | 2.80                       | 1.85                | 6.80       | 7.80                | 5.00                | 0.60            | 0.60   | 3.0                       | 0.11           | PHC 04B-1...   |
| SS                        | 05B-1SS              | 8.00       | 5.00                | 3.00                       | 2.31                | 8.20       | 8.90                | 7.10                | 0.80            | 0.80   | 3.5                       | 0.20           | PHC 05B-1SS... |
| Plated                    | 05B-1                | 8.00       | 5.00                | 3.00                       | 2.31                | 8.20       | 8.90                | 7.10                | 0.80            | 0.80   | 5.0                       | 0.20           | PHC 05B-1...   |
| SS                        | 06B-1 <sup>2)</sup>  | 9.53       | 6.35                | 5.72                       | 3.28                | 13.15      | 14.10               | 8.20                | 1.30            | 1.30   | 6.2                       | 0.41           | PHC 06B-1...   |
| Plated                    | 06B-1 <sup>2)</sup>  | 9.53       | 6.35                | 5.72                       | 3.28                | 13.15      | 14.10               | 8.20                | 1.30            | 1.30   | 9.0                       | 0.41           | PHC 06B-1...   |
| SS                        | 08B-1SS              | 12.70      | 8.51                | 7.75                       | 4.45                | 16.70      | 18.20               | 11.80               | 1.60            | 1.60   | 12.0                      | 0.70           | PHC 08B-1SS... |
| Plated                    | 08B-1                | 12.70      | 8.51                | 7.75                       | 4.45                | 16.70      | 18.20               | 11.80               | 1.60            | 1.60   | 18.0                      | 0.69           | PHC 08B-1...   |
| SS                        | 10B-1SS              | 15.88      | 10.16               | 9.65                       | 5.08                | 19.50      | 20.90               | 14.70               | 1.70            | 1.70   | 14.5                      | 0.94           | PHC 10B-1SS... |
| Plated                    | 10B-1                | 15.88      | 10.16               | 9.65                       | 5.08                | 19.50      | 20.90               | 14.70               | 1.70            | 1.70   | 22.4                      | 0.93           | PHC 10B-1...   |
| SS                        | 12B-1SS              | 19.05      | 12.07               | 11.68                      | 5.72                | 22.50      | 24.20               | 16.00               | 1.85            | 1.85   | 18.5                      | 1.16           | PHC 12B-1SS... |
| Plated                    | 12B-1                | 19.05      | 12.07               | 11.68                      | 5.72                | 22.50      | 24.20               | 16.00               | 1.85            | 1.85   | 29.0                      | 1.15           | PHC 12B-1...   |
| SS                        | 16B-1SS              | 25.40      | 15.88               | 17.02                      | 8.28                | 36.10      | 37.40               | 21.00               | 4.15            | 3.10   | 40.0                      | 2.73           | PHC 16B-1SS... |
| Plated                    | 16B-1                | 25.40      | 15.88               | 17.02                      | 8.28                | 36.10      | 37.40               | 21.00               | 4.15            | 3.10   | 60.0                      | 2.71           | PHC 16B-1...   |
| SS                        | 20B-1SS              | 31.75      | 19.05               | 19.56                      | 10.19               | 41.30      | 45.00               | 26.40               | 4.50            | 3.50   | 59.0                      | 3.73           | PHC 20B-1SS... |
| Plated                    | 20B-1                | 31.75      | 19.05               | 19.56                      | 10.19               | 41.30      | 45.00               | 26.40               | 4.50            | 3.50   | 95.0                      | 3.70           | PHC 20B-1...   |
| SS                        | 24B-1SS              | 38.10      | 25.40               | 25.40                      | 14.63               | 53.40      | 57.80               | 33.20               | 6.00            | 4.80   | 104.0                     | 7.20           | PHC 24B-1SS... |
| Plated                    | 24B-1                | 38.10      | 25.40               | 25.40                      | 14.63               | 53.40      | 57.80               | 33.20               | 6.00            | 4.80   | 160.0                     | 7.10           | PHC 24B-1...   |
| Plated                    | 28B-1                | 44.45      | 27.94               | 30.99                      | 15.90               | 65.10      | 69.50               | 36.70               | 7.50            | 6.00   | 200.0                     | 8.50           | PHC 28B-1...   |
| SS                        | 32B-1SS              | 50.80      | 29.21               | 30.99                      | 17.81               | 66.00      | 71.00               | 42.00               | 7.00            | 6.00   | 150.0                     | 10.22          | PHC 32B-1SS... |
| Plated                    | 32B-1                | 50.80      | 29.21               | 30.99                      | 17.81               | 66.00      | 71.00               | 42.00               | 7.00            | 6.00   | 250.0                     | 10.25          | PHC 32B-1...   |

<sup>1)</sup> Bushing chain: d<sub>1</sub> indicates external diameter of bushing. <sup>2)</sup> Straight side plates. Note: Duplex and double pitch plated chains are available in all sizes. When ordering plated chains, add suffix according to material selection after chain number: DR for dacrotized, NP for nickel-plated and ZP for zinc plated. For example, PHC 50-1DR... 50-1 ANSI Simplex dacrotized chain and PHC 60-2NP... ANSI Duplex nickel-plated chain. Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of 12B-1NP is PHC 12B-1NPX10FT. One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

## Roller chains

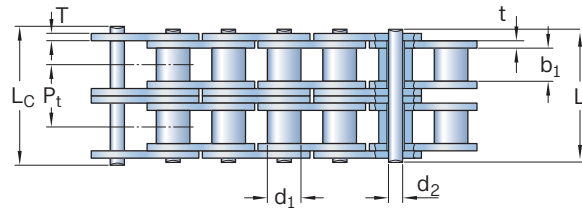
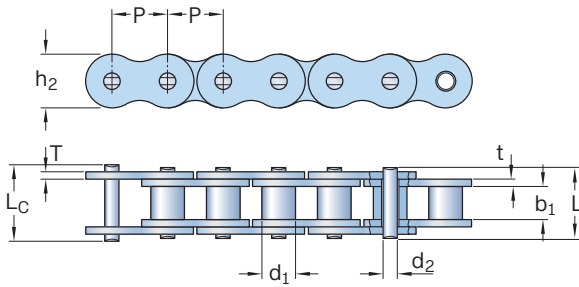
### Side bow



| Chain number | Dimensions |                 |                            | Pin diameter | Pin length |            | Inner plate height | Plate thickness |        | Side bow radius | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation      |
|--------------|------------|-----------------|----------------------------|--------------|------------|------------|--------------------|-----------------|--------|-----------------|---------------------------|--------------------------|----------------|------------------|
|              | Pitch      | Roller diameter | Width between inner plates |              | L          | $L_C$      |                    | t               | T      |                 | Q                         | Q0                       |                |                  |
|              | P          | $d_1$ Max.      | $b_1$ Min.                 | $d_2$ Max.   | L Max.     | $L_C$ Max. | $h_2$ Max.         | t Max.          | T Max. | R Min.          | Q Min.                    | Q0                       |                |                  |
| –            | mm         |                 |                            |              |            |            |                    |                 |        |                 | kN                        |                          | kg/m           | –                |
| 40-1SB       | 12.70      | 7.95            | 7.85                       | 3.96         | 16.9       | 18.1       | 11.7               | 1.50            | 1.50   | 350             | 13.8                      | 15.2                     | 0.80           | PHC 40-1SB...    |
| 43-1SB       | 12.70      | 7.95            | 7.85                       | 3.45         | 18.3       | 19.5       | 11.7               | 1.50            | 1.50   | 305             | 12.0                      | 13.2                     | 0.64           | PHC 43-1SB...    |
| 50-1SB       | 15.88      | 10.16           | 9.40                       | 4.37         | 20.7       | 22.7       | 14.9               | 2.03            | 2.03   | 400             | 20.6                      | 22.7                     | 1.09           | PHC 50-1SB...    |
| 60-1SB       | 19.05      | 11.91           | 12.57                      | 5.34         | 26.6       | 28.4       | 18.0               | 2.42            | 2.42   | 500             | 15.7                      | 17.3                     | 1.54           | PHC 60-1SB...    |
| 63-1SB       | 19.05      | 11.91           | 12.68                      | 5.08         | 28.8       | 30.6       | 17.2               | 2.42            | 2.03   | 350             | 12.5                      | 20.0                     | 1.40           | PHC 63-1SB...    |
| 80-1SB       | 25.40      | 15.88           | 15.75                      | 7.19         | 34.0       | 37.3       | 24.0               | 3.25            | 3.25   | 711             | 40.9                      | 42.0                     | 2.60           | PHC 80-1SB...    |
| 08B-1SB      | 12.70      | 8.51            | 7.75                       | 3.97         | 17.4       | 18.7       | 11.8               | 1.60            | 1.60   | 400             | 14.0                      | 15.4                     | 0.70           | PHC 08B-1SB...   |
| 10B-1SB      | 15.88      | 10.16           | 9.65                       | 4.50         | 20.1       | 21.5       | 14.7               | 1.70            | 1.70   | 400             | 15.6                      | 17.2                     | 0.93           | PHC 10B-1SB...   |
| 12B-1SB      | 19.05      | 12.07           | 11.68                      | 5.12         | 23.1       | 24.8       | 16.0               | 1.85            | 1.85   | 500             | 20.5                      | 22.6                     | 1.16           | PHC 12B-1SB...   |
| C2050-1SB    | 31.75      | 10.16           | 9.40                       | 5.08         | 21.3       | 22.6       | 15.0               | 2.03            | 2.03   | 800             | 21.8                      | 24.1                     | 0.84           | PHC C2050-1SB... |

## Roller chains

### Extra performance SLR chains



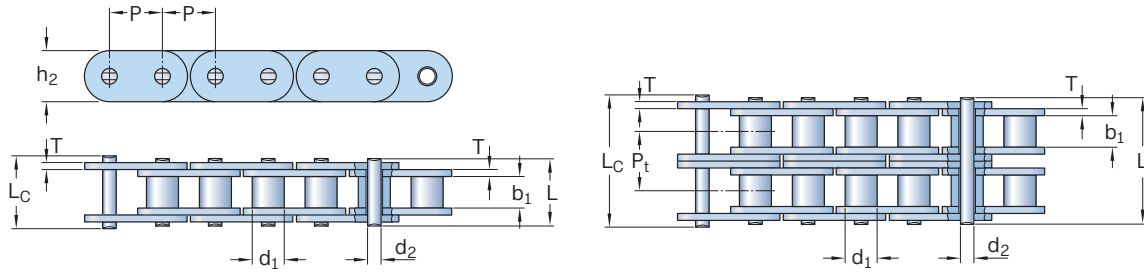
| Chain number          | Dimensions |                     |                            |                     | Pin length | Inner plate height  | Plate thickness     | Transverse pitch | Ultimate tensile strength | Mass per meter | Designation |       |                 |
|-----------------------|------------|---------------------|----------------------------|---------------------|------------|---------------------|---------------------|------------------|---------------------------|----------------|-------------|-------|-----------------|
|                       | Pitch      | Roller diameter     | Width between inner plates | Pin diameter        |            |                     |                     |                  |                           |                |             |       |                 |
|                       | P          | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max.     | L <sub>c</sub> Max. | h <sub>2</sub> Max. | t Max.           | T Max.                    | P <sub>t</sub> | Q Min.      |       |                 |
| —                     | mm         |                     |                            |                     |            |                     |                     |                  |                           |                | kN          | kg/m  | —               |
| 06B-1SLR              | 9.525      | 6.35                | 5.72                       | 3.28                | 13.15      | 14.1                | 8.2                 | 1.3              | 1.3                       | -              | 9.0         | 0.41  | PHC 06B-1SLR... |
| 08B-1SLR              | 12.70      | 8.51                | 7.75                       | 4.45                | 16.7       | 18.2                | 11.8                | 1.60             | 1.60                      | -              | 18.0        | 0.69  | PHC 08B-1SLR... |
| 10B-1SLR              | 15.88      | 10.16               | 9.65                       | 5.08                | 19.5       | 20.9                | 14.7                | 1.70             | 1.70                      | -              | 22.4        | 0.93  | PHC 10B-1SLR... |
| 12B-1SLR              | 19.05      | 12.07               | 11.68                      | 5.72                | 22.5       | 24.2                | 16.0                | 1.85             | 1.85                      | -              | 29.0        | 1.15  | PHC 12B-1SLR... |
| 16B-1SLR              | 25.40      | 15.88               | 17.02                      | 8.28                | 36.1       | 37.4                | 21.0                | 4.15             | 3.10                      | -              | 60.0        | 2.71  | PHC 16B-1SLR... |
| 20B-1SLR              | 31.75      | 19.05               | 19.56                      | 10.19               | 41.3       | 45.0                | 26.4                | 4.50             | 3.50                      | -              | 95.0        | 3.70  | PHC 20B-1SLR... |
| 24B-1SLR              | 38.1       | 25.4                | 25.4                       | 14.63               | 53.4       | 57.8                | 33.2                | 6.00             | 4.80                      | -              | 160.0       | 7.10  | PHC 24B-1SLR... |
| 06B-2SLR              | 9.525      | 6.35                | 5.72                       | 3.28                | 23.4       | 24.4                | 8.2                 | 1.3              | 1.3                       | 10.24          | 16.9        | 0.77  | PHC 06B-2SLR... |
| 08B-2SLR              | 12.70      | 8.51                | 7.75                       | 4.45                | 31.0       | 32.2                | 11.8                | 1.60             | 1.60                      | 13.92          | 32.0        | 1.34  | PHC 08B-2SLR... |
| 10B-2SLR              | 15.88      | 10.16               | 9.65                       | 5.08                | 36.1       | 37.5                | 14.7                | 1.70             | 1.70                      | 16.59          | 44.5        | 1.84  | PHC 10B-2SLR... |
| 12B-2SLR              | 19.05      | 12.07               | 11.68                      | 5.72                | 42.0       | 43.6                | 16.0                | 1.85             | 1.85                      | 19.46          | 58.0        | 2.31  | PHC 12B-2SLR... |
| 16B-2SLR              | 25.40      | 15.88               | 17.02                      | 8.28                | 68.0       | 69.3                | 21.0                | 4.15             | 3.10                      | 31.88          | 106.0       | 5.42  | PHC 16B-2SLR... |
| 20B-2SLR              | 31.75      | 19.05               | 19.56                      | 10.19               | 77.8       | 81.5                | 26.4                | 4.50             | 3.50                      | 36.45          | 170.0       | 7.20  | PHC 20B-2SLR... |
| 24B-2SLR              | 38.1       | 25.4                | 25.4                       | 14.63               | 101.7      | 106.2               | 33.2                | 6.00             | 4.80                      | 48.36          | 280.0       | 13.40 | PHC 24B-2SLR... |
| 06B-3SLR              | 9.525      | 6.35                | 5.72                       | 3.28                | 33.5       | 34.6                | 8.2                 | 1.3              | 1.3                       | 10.24          | 24.9        | 1.16  | PHC 06B-3SLR... |
| 08B-3SLR              | 12.70      | 8.51                | 7.75                       | 4.45                | 45.1       | 46.1                | 11.8                | 1.60             | 1.60                      | 13.92          | 47.5        | 2.03  | PHC 08B-3SLR... |
| 10B-3SLR              | 15.88      | 10.16               | 9.65                       | 5.08                | 52.7       | 54.1                | 14.7                | 1.70             | 1.70                      | 16.59          | 66.7        | 2.77  | PHC 10B-3SLR... |
| 12B-3SLR              | 19.05      | 12.07               | 11.68                      | 5.72                | 61.5       | 63.1                | 16.0                | 1.85             | 1.85                      | 19.46          | 86.7        | 3.46  | PHC 12B-3SLR... |
| 16B-3SLR              | 25.40      | 15.88               | 17.02                      | 8.28                | 99.8       | 101.2               | 21.0                | 4.15             | 3.10                      | 31.88          | 160.0       | 8.13  | PHC 16B-3SLR... |
| 20B-3SLR              | 31.75      | 19.05               | 19.56                      | 10.19               | 114.2      | 117.9               | 26.4                | 4.50             | 3.50                      | 36.45          | 250.0       | 10.82 | PHC 20B-3SLR... |
| 24B-3SLR              | 38.1       | 25.4                | 25.4                       | 14.63               | 150.1      | 154.6               | 33.2                | 6.00             | 4.80                      | 48.36          | 425.0       | 20.10 | PHC 24B-3SLR... |
| 35-1SLR <sup>1)</sup> | 9.525      | 5.08                | 4.77                       | 3.58                | 12.4       | 13.17               | 9.0                 | 1.3              | 1.3                       | -              | 7.9         | 0.33  | PHC 35-1SLR...  |
| 40-1SLR               | 12.70      | 7.95                | 7.85                       | 3.96                | 16.6       | 17.8                | 12.0                | 1.50             | 1.50                      | -              | 14.1        | 0.62  | PHC 40-1SLR...  |
| 50-1SLR               | 15.88      | 10.16               | 9.40                       | 5.08                | 20.7       | 22.2                | 15.1                | 2.03             | 2.03                      | -              | 21.8        | 1.02  | PHC 50-1SLR...  |
| 60-1SLR               | 19.05      | 11.91               | 12.57                      | 5.94                | 27.5       | 29.3                | 18.0                | 2.42             | 2.42                      | -              | 34.2        | 1.65  | PHC 60-1SLR...  |
| 80-1SLR               | 25.40      | 15.88               | 15.75                      | 7.92                | 32.7       | 35.0                | 24.0                | 3.25             | 3.25                      | -              | 56.7        | 2.60  | PHC 80-1SLR...  |
| 100-1SLR              | 31.75      | 19.05               | 18.90                      | 9.53                | 40.4       | 44.7                | 30.0                | 4.00             | 4.00                      | -              | 86.7        | 3.94  | PHC 100-1SLR... |
| 120-1SLR              | 38.10      | 22.23               | 25.22                      | 11.1                | 50.3       | 54.3                | 35.7                | 4.8              | 4.8                       | -              | 127.0       | 5.62  | PHC 120-1SLR... |
| 35-2SLR <sup>1)</sup> | 9.525      | 5.08                | 4.77                       | 3.58                | 22.5       | 23.3                | 9.0                 | 1.3              | 1.3                       | 10.13          | 15.8        | 0.63  | PHC 35-2SLR...  |
| 40-2SLR               | 12.70      | 7.95                | 7.85                       | 3.96                | 31.0       | 32.2                | 12.0                | 1.50             | 1.50                      | 14.38          | 28.2        | 1.12  | PHC 40-2SLR...  |
| 50-2SLR               | 15.88      | 10.16               | 9.40                       | 5.08                | 38.9       | 40.4                | 15.1                | 2.03             | 2.03                      | 18.11          | 44.4        | 2.0   | PHC 50-2SLR...  |
| 60-2SLR               | 19.05      | 11.91               | 12.57                      | 5.94                | 48.8       | 50.5                | 18.0                | 2.42             | 2.42                      | 22.78          | 63.6        | 2.92  | PHC 60-2SLR...  |
| 80-2SLR               | 25.40      | 15.88               | 15.75                      | 7.92                | 62.7       | 64.3                | 24.0                | 3.25             | 3.25                      | 29.29          | 113.4       | 5.15  | PHC 80-2SLR...  |
| 100-2SLR              | 31.75      | 19.05               | 18.90                      | 9.53                | 76.4       | 80.5                | 30.0                | 4.00             | 4.00                      | 35.76          | 177.0       | 7.80  | PHC 100-2SLR... |
| 120-2SLR              | 38.10      | 22.23               | 25.22                      | 11.1                | 95.8       | 99.7                | 35.7                | 4.8              | 4.8                       | 45.44          | 254.0       | 11.70 | PHC 120-2SLR... |
| 35-3SLR <sup>1)</sup> | 9.525      | 5.08                | 4.77                       | 3.58                | 32.7       | 33.5                | 9.0                 | 1.3              | 1.3                       | 10.13          | 23.7        | 1.05  | PHC 35-3SLR...  |
| 40-3SLR               | 12.70      | 7.95                | 7.85                       | 3.96                | 45.4       | 46.6                | 12.0                | 1.50             | 1.50                      | 14.38          | 42.3        | 1.90  | PHC 40-3SLR...  |
| 50-3SLR               | 15.88      | 10.16               | 9.40                       | 5.08                | 57.0       | 58.5                | 15.1                | 2.03             | 2.03                      | 18.11          | 66.6        | 3.09  | PHC 50-3SLR...  |
| 60-3SLR               | 19.05      | 11.91               | 12.57                      | 5.94                | 71.5       | 73.3                | 18.0                | 2.42             | 2.42                      | 22.78          | 95.4        | 4.54  | PHC 60-3SLR...  |
| 80-3SLR               | 25.40      | 15.88               | 15.75                      | 7.92                | 91.7       | 93.6                | 24.0                | 3.25             | 3.25                      | 29.29          | 170.1       | 7.89  | PHC 80-3SLR...  |
| 100-3SLR              | 31.75      | 19.05               | 18.90                      | 9.53                | 112.2      | 116.3               | 30.0                | 4.00             | 4.00                      | 35.76          | 265.5       | 11.77 | PHC 100-3SLR... |
| 120-3SLR              | 38.10      | 22.23               | 25.22                      | 11.1                | 141.4      | 145.2               | 35.7                | 4.8              | 4.8                       | 45.44          | 381.0       | 17.53 | PHC 120-3SLR... |

<sup>1)</sup> Denotes bush chain: d1 in the table indicates the external diameter of the bush

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of 10B-1SLR is PHC 10B-1SLRX10FT. One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

# Straight side plate chains

## A series



| Series | DIN/ISO Chain number | ANSI Chain number | Dimensions |                 |                            | Pin diameter | Pin length |            | Inner plate height | Plate thickness | Transverse pitch $P_t$ | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation   |
|--------|----------------------|-------------------|------------|-----------------|----------------------------|--------------|------------|------------|--------------------|-----------------|------------------------|---------------------------|--------------------------|----------------|---------------|
|        |                      |                   | Pitch      | Roller diameter | Width between inner plates |              | L          | $L_c$      |                    |                 |                        | Q Min.                    | $Q_0$                    | q              |               |
|        |                      |                   | P          | $d_1$ Max.      | $b_1$ Min.                 | $d_2$ Max.   | L Max.     | $L_c$ Max. | $h_2$ Max.         | T Max.          |                        |                           |                          |                |               |
| –      | –                    | –                 | mm         |                 |                            |              |            |            |                    |                 |                        | kN                        |                          | kg/m           | –             |
| A      | C06A-1               | C35 <sup>1)</sup> | 9.525      | 5.08            | 4.77                       | 3.58         | 13.3       | 14.3       | 9                  | 1.3             |                        | 7.9                       | 10.8                     | 0.41           | PHC C35-1...  |
|        | C08A-1               | C40               | 12.7       | 7.95            | 7.85                       | 3.96         | 16.6       | 18.8       | 12                 | 1.5             |                        | 14.1                      | 17.5                     | 0.73           | PHC C40-1...  |
|        | C10A-1               | C50               | 15.875     | 10.16           | 9.4                        | 5.08         | 20.7       | 23.3       | 15.09              | 2.03            |                        | 22.2                      | 29.4                     | 1.23           | PHC C50-1...  |
|        | C12A-1               | C60               | 19.05      | 11.91           | 12.57                      | 5.94         |            | 28.3       | <b>18.0</b> / 18.2 | 2.42            |                        | 31.8                      | 41.5                     | 1.81 / 1.83    | PHC C60-1...  |
|        | C16A-1               | C80               | 25.4       | 15.88           | 15.75                      | 7.92         | 32.7       | 36.5       | 24                 | 3.25            |                        | 56.7                      | 60.4                     | 3.09           | PHC C80-1...  |
|        | C20A-1               | C100              | 31.75      | 19.05           | 18.9                       | 9.53         | 40.4       | 44.7       | 30                 | 4               |                        | 88.5                      | 109.2                    | 4.56           | PHC C100-1... |
|        | C24A-1               | C120              | 38.1       | 22.23           | 25.22                      | 11.1         | 50.3       | 54.3       | 35.7               | 4.8             |                        | 127                       | 166.3                    | 6.86           | PHC C120-1... |
|        | C28A-1               | C140              | 44.45      | 25.4            | 25.22                      | 12.7         | 54.4       | 59         | 41                 | 5.6             |                        | 172.4                     | 212                      | 8.49           | PHC C140-1... |
|        | C32A-1               | C160              | 50.8       | 28.58           | 31.55                      | 14.27        | 64.8       | 69.6       | 47.8               | 6.4             |                        | 226.8                     | 278.9                    | 11.5           | PHC C160-1... |
|        | C08A-2               | C40-2             | 12.7       | 7.95            | 7.85                       | 3.96         | 31         | 33.2       | 12                 | 1.5             | 14.38                  | 28.2                      | 35.9                     | 1.43           | PHC C40-2...  |
|        | C10A-2               | C50-2             | 15.875     | 10.16           | 9.4                        | 5.08         | 38.9       | 41.4       | 15.09              | 2.03            | 18.11                  | 44.4                      | 58.1                     | 2.42           | PHC C50-2...  |
|        | C12A-2               | C60-2             | 19.05      | 11.91           | 12.57                      | 5.94         | 48.8       | 51.1       | <b>18.0</b> / 18.2 | 2.42            | 22.78                  | 63.6                      | 82.1                     | 3.58 / 3.62    | PHC C60-2...  |
|        | C16A-2               | C80-2             | 25.4       | 15.88           | 15.75                      | 7.92         | 62.7       | 65.8       | 24                 | 3.25            | 29.29                  | 113.4                     | 141.8                    | 6.12           | PHC C80-2...  |
|        | C20A-2               | C100-2            | 31.75      | 19.05           | 18.9                       | 9.53         | 76.4       | 80.5       | 30                 | 4               | 35.76                  | 177                       | 219.4                    | 9.08           | PHC C100-2... |
|        | C34A-2               | C120-2            | 38.1       | 22.23           | 25.22                      | 11.1         | 95.8       | 99.7       | 35.7               | 4.8             | 45.44                  | 254                       | 314.9                    | 13.6           | PHC C120-2... |
|        | C28A-2               | C140-2            | 44.45      | 25.4            | 25.22                      | 12.7         | 103.3      | 107.9      | 41                 | 5.6             | 48.87                  | 344.8                     | 427.5                    | 16.86          | PHC C140-2... |
|        | C32A-2               | C160-2            | 50.8       | 28.58           | 31.55                      | 14.27        | 123.3      | 128.1      | 47.8               | 6.4             | 58.55                  | 453.6                     | 562.4                    | 22.9           | PHC C160-2... |
|        | C08A-3               | C40-3             | 12.7       | 7.95            | 7.85                       | 3.96         | 45.4       | 47.6       | 12                 | 1.5             | 14.38                  | 42.3                      | 50                       | 2.14           | PHC C40-3...  |
|        | C10A-3               | C50-3             | 15.875     | 10.16           | 9.4                        | 5.08         | 57         | 59.5       | 15.09              | 2.03            | 18.11                  | 66.6                      | 77.8                     | 3.62           | PHC C50-3...  |
|        | C12A-3               | C60-3             | 19.05      | 11.91           | 12.57                      | 5.94         | 71.5       | 73.9       | <b>18.0</b> / 18.2 | 2.42            | 22.78                  | 95.4                      | 111.1                    | 5.36 / 5.41    | PHC C60-3...  |
|        | C16A-3               | C80-3             | 25.4       | 15.88           | 15.75                      | 7.92         | 91.7       | 95.1       | 24                 | 3.25            | 29.29                  | 170.1                     | 198.4                    | 9.1            | PHC C80-3...  |
|        | C20A-3               | C100-3            | 31.75      | 19.05           | 18.9                       | 9.53         | 112.2      | 116.3      | 30                 | 4               | 35.76                  | 265.5                     | 309.6                    | 13.6           | PHC C100-3... |
|        | C24A-3               | C120-3            | 38.1       | 22.23           | 25.22                      | 11.1         | 141.4      | 145.2      | 35.7               | 4.8             | 45.44                  | 381                       | 437.2                    | 20.43          | PHC C120-3... |
|        | C28A-3               | C140-3            | 44.45      | 25.4            | 25.22                      | 12.7         | 152.2      | 156.8      | 41                 | 5.6             | 48.87                  | 517.2                     | 593.3                    | 25.23          | PHC C140-3... |
|        | C32A-3               | C160-3            | 50.8       | 28.58           | 31.55                      | 14.27        | 181.8      | 186.6      | 47.8               | 6.4             | 58.55                  | 680.4                     | 780.6                    | 34.19          | PHC C160-3... |

<sup>1)</sup> Bushing chain:  $d_1$  in the table indicates the external diameter of the bushing.

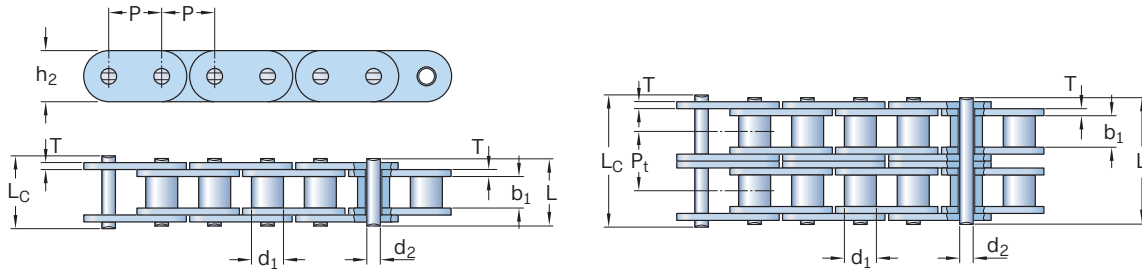
Plate Height dimensions in bold type are standard, chains with the alternative dimensions are available on request. For example 12A-1 chain has an inner plate height of 18.0 mm, chain C16B-1 has an inner plate height of 21.0 mm and plate thickness of 4.15mm as standard.

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of C08A-1 is PHC C08A-1X10FT.

One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

## Straight side plate chains

### B series

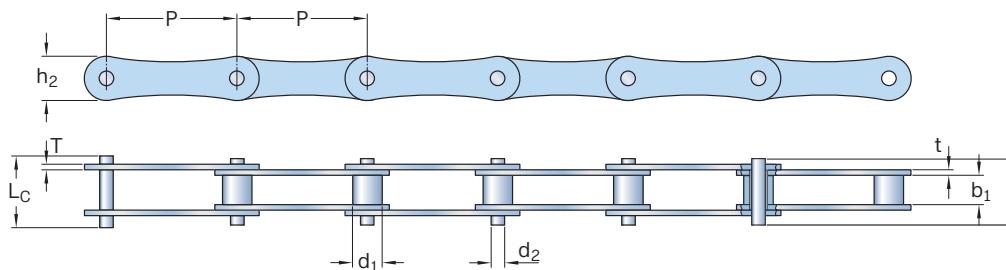


| Series | DIN/ISO Chain number | Dimensions Pitch | Roller diameter     | Width between inner plates | Pin diameter        | Pin length                 | Inner plate height  | Plate thickness  | Transverse pitch | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation         |
|--------|----------------------|------------------|---------------------|----------------------------|---------------------|----------------------------|---------------------|------------------|------------------|---------------------------|--------------------------|----------------|---------------------|
|        |                      | P                | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max. L <sub>c</sub> Max. | h <sub>2</sub> Max. | T Max.           | P <sub>t</sub>   | Q Min.                    | Q <sub>0</sub>           | q              |                     |
| –      | –                    | mm               |                     |                            |                     |                            |                     |                  |                  | kN                        |                          | kg/m           | –                   |
| B      | C08B-1               | 12.7             | 8.51                | 7.75                       | 4.45                | 16.7 18.2                  | 11.8                | 1.6              |                  | 18                        | 19.5                     | 0.8            | PHC C08B-1...       |
|        | C10B-1               | 15.875           | 10.16               | 9.65                       | 5.08                | 19.5 20.9                  | 14.7                | 1.7              |                  | 22.4                      | 27.9                     | 1.06           | PHC C10B-1...       |
|        | C12B-1               | 19.06            | 12.07               | 11.68                      | 5.72                | 22.5 25.2                  | 16                  | 1.85             |                  | 29                        | 32.2                     | 1.32           | PHC C12B-1...       |
|        | C16B-1               | 25.4             | 15.88               | 17.02                      | 8.28                | 36.1 37.4                  | <b>21.0</b>         | <b>4.15</b>      |                  | 60                        | 72.8                     | 3.08           | PHC C16B-1...       |
|        | C16B-1-PH24          | 25.4             | 15.88               | 17.02                      | 8.28                | 36.1 37.4                  | 24.0                | 3.1              |                  | 60                        | 72.8                     | 3.49           | PHC C16B-1-PH24X... |
|        | C20B-1               | 31.75            | 19.05               | 19.56                      | 10.19               | 41.3 45                    | 26.4                | <b>4.5 / 3.5</b> |                  | 95                        | 106.7                    | 4.16           | PHC C20B-1...       |
|        | C24B-1               | 38.1             | 25.4                | 25.4                       | 14.63               | 53.4 57.8                  | 33.2                | <b>6.0 / 4.8</b> |                  | 160                       | 178                      | 7.47           | PHC C24B-1...       |
|        | C28B-1               | 44.45            | 27.94               | 30.99                      | 15.9                | 66.1 69.5                  | 36.7                | <b>7.5 / 6.0</b> |                  | 200                       | 222                      | 9.9            | PHC C28B-1...       |
|        | C32B-1               | 50.8             | 29.21               | 30.99                      | 17.81               | 66 71                      | 42                  | <b>7.0 / 6.0</b> |                  | 250                       | 277.5                    | 10.45          | PHC C32B-1...       |
|        | C08B-2               | 12.7             | 8.51                | 7.75                       | 4.45                | 31.2 32.2                  | 11.8                | 1.6              | 13.92            | 32                        | 38.7                     | 1.45           | PHC C08B-2...       |
|        | C10B-2               | 15.875           | 10.16               | 9.65                       | 5.08                | 36.1 37.5                  | 14.7                | 1.7              | 16.59            | 44.5                      | 57.8                     | 2              | PHC C10B-2...       |
|        | C12B-2               | 19.05            | 12.07               | 11.68                      | 5.72                | 42 44.7                    | 16                  | 1.85             | 19.46            | 57.8                      | 66.1                     | 2.62           | PHC C12B-2...       |
|        | C16B-2               | 25.4             | 15.88               | 17.02                      | 8.28                | 68 69.3                    | <b>21.0</b>         | <b>4.15</b>      | 31.88            | 106                       | 133                      | 6.10           | PHC C16B-2...       |
|        | C16B-2-PH24          | 25.4             | 15.88               | 17.02                      | 8.28                | 68 69.3                    | 24.0                | 3.1              | 31.88            | 106                       | 133                      | 6.92           | PHC C16B-2-PH24X... |
|        | C20B-2               | 31.75            | 19.05               | 19.56                      | 10.19               | 77.8 81.5                  | 26.4                | <b>4.5 / 3.5</b> | 36.45            | 170                       | 211.2                    | 8.23           | PHC C20B-2...       |
|        | C24B-2               | 38.1             | 25.4                | 25.4                       | 14.63               | 101.7 106.2                | 33.2                | <b>6.0 / 4.8</b> | 48.36            | 280                       | 319.2                    | 14.77          | PHC C24B-2...       |
|        | C28B-2               | 44.45            | 27.94               | 30.99                      | 15.9                | 124.6 129.1                | 36.7                | <b>7.5 / 6.0</b> | 59.56            | 360                       | 406.8                    | 19.82          | PHC C28B-2...       |
|        | C32B-2               | 50.8             | 29.21               | 30.99                      | 17.81               | 124.6 129.6                | 42                  | <b>7.0 / 6.0</b> | 58.65            | 450                       | 508.5                    | 20.94          | PHC C32B-2...       |
|        | C08B-3               | 12.7             | 8.51                | 7.75                       | 4.45                | 45.1 46.1                  | 11.8                | 1.6              | 13.92            | 47.5                      | 57.8                     | 2.1            | PHC C08B-3...       |
|        | C10B-3               | 15.875           | 10.16               | 9.65                       | 5.08                | 52.7 54.1                  | 14.7                | 1.7              | 16.59            | 66.7                      | 84.5                     | 2.87           | PHC C10B-3...       |
|        | C12B-3               | 19.05            | 12.07               | 11.66                      | 5.72                | 61.5 64.2                  | 16                  | 1.85             | 19.46            | 86.7                      | 101.8                    | 3.89           | PHC C12B-3...       |
|        | C16B-3               | 25.4             | 15.88               | 17.02                      | 8.28                | 99.8 101.2                 | <b>21.0</b>         | <b>4.15</b>      | 31.88            | 160                       | 203.7                    | 9.12           | PHC C16B-3...       |
|        | C16B-3-PH24          | 25.4             | 15.88               | 17.02                      | 8.28                | 99.8 101.2                 | 24.0                | 3.1              | 31.88            | 160                       | 203.7                    | 10.34          | PHC C16B-3-PH24X... |
|        | C20B-3               | 31.75            | 19.05               | 19.56                      | 10.19               | 114.2 117.9                | 26.4                | <b>4.5 / 3.6</b> | 36.45            | 250                       | 290                      | 11.34          | PHC C20B-3...       |
|        | C24B-3               | 38.1             | 25.4                | 25.4                       | 14.63               | 150.1 154.6                | 33.2                | <b>6.0 / 4.8</b> | 48.36            | 425                       | 493                      | 22.1           | PHC C24B-3...       |
|        | C28B-3               | 44.45            | 27.94               | 30.99                      | 15.9                | 184.2 188.7                | 36.7                | <b>7.5 / 6.0</b> | 59.56            | 530                       | 609.5                    | 29.64          | PHC C28B-3...       |
|        | C32B-3               | 50.8             | 29.21               | 30.99                      | 17.81               | 183.2 188.2                | 42                  | <b>7.0 / 6.0</b> | 58.55            | 670                       | 770.5                    | 31.27          | PHC C32B-3...       |

Plate Height dimensions in bold type are standard, chains with the alternative dimensions are available on request. For example 12A-1 chain has an inner plate height of 18.0 mm, chain C16B-1 has an inner plate height of 21.0 mm and plate thickness of 4.15 mm as standard. Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of C08A-1 is PHC C08A-1X10FT. One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

## Double pitch chains

### Transmission chains

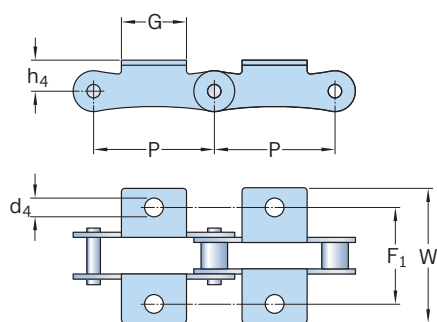


| ANSI Chain number | BS/ISO Chain number | Dimensions   |                                  |                                             | Pin diameter<br>$d_2$<br>Max. | Pin length  |               | Inner plate height<br>$h_2$<br>Max. | Plate thickness |             | Ultimate tensile strength<br>$Q$<br>Min. | Average tensile strength<br>$Q_0$ | Mass per meter | Designation |
|-------------------|---------------------|--------------|----------------------------------|---------------------------------------------|-------------------------------|-------------|---------------|-------------------------------------|-----------------|-------------|------------------------------------------|-----------------------------------|----------------|-------------|
|                   |                     | Pitch<br>$P$ | Roller diameter<br>$d_1$<br>Max. | Width between inner plates<br>$b_1$<br>Min. |                               | $L$<br>Max. | $L_c$<br>Max. |                                     | $t$<br>Max.     | $T$<br>Max. |                                          |                                   |                |             |
| –                 | –                   | mm           |                                  |                                             |                               |             |               |                                     |                 |             | kN                                       |                                   | kg/m           | –           |
| 2040              | 208A                | 25.40        | 7.95                             | 7.85                                        | 3.96                          | 16.6        | 17.8          | 12.0                                | 1.50            | 1.50        | 14.1                                     | 16.7                              | 0.42           | PHC 2040... |
| 2050              | 210A                | 31.75        | 10.16                            | 9.40                                        | 5.08                          | 20.7        | 22.2          | 15.0                                | 2.03            | 2.03        | 22.2                                     | 28.1                              | 0.73           | PHC 2050... |
| 2060              | 212A                | 38.10        | 11.91                            | 12.57                                       | 5.94                          | 25.9        | 27.7          | 18.0                                | 2.42            | 2.42        | 31.8                                     | 36.8                              | 1.02           | PHC 2060... |
| 2080              | 216A                | 50.80        | 15.88                            | 15.75                                       | 7.92                          | 32.7        | 36.5          | 24.0                                | 3.25            | 3.25        | 56.7                                     | 65.7                              | 1.70           | PHC 2080... |
| 2100              | 220A                | 63.50        | 19.05                            | 18.90                                       | 9.53                          | 40.4        | 44.7          | 30.0                                | 4.00            | 4.00        | 88.5                                     | 102.6                             | 2.55           | PHC 2100... |
| 2120              | 224A                | 76.20        | 22.23                            | 25.22                                       | 11.10                         | 50.3        | 54.3          | 35.7                                | 4.80            | 4.80        | 127.0                                    | 147.3                             | 4.06           | PHC 2120... |
| –                 | 208B                | 25.40        | 8.51                             | 7.75                                        | 4.45                          | 16.7        | 18.2          | 11.8                                | 1.60            | 1.60        | 18.0                                     | 19.4                              | 0.45           | PHC 208B... |
| –                 | 210B                | 31.75        | 10.16                            | 9.65                                        | 5.08                          | 19.5        | 20.9          | 14.7                                | 1.70            | 1.70        | 22.4                                     | 27.5                              | 0.65           | PHC 210B... |
| –                 | 212B                | 38.10        | 12.07                            | 11.68                                       | 5.72                          | 22.5        | 25.2          | 16.0                                | 1.85            | 1.85        | 29.0                                     | 32.2                              | 0.76           | PHC 212B... |
| –                 | 216B                | 50.80        | 15.88                            | 17.02                                       | 8.28                          | 36.1        | 39.1          | 21.0                                | 4.15            | 3.10        | 60.0                                     | 72.8                              | 1.75           | PHC 216B... |
| –                 | 220B                | 63.50        | 19.05                            | 19.56                                       | 10.19                         | 41.3        | 45.0          | 26.4                                | 4.50            | 3.50        | 95.0                                     | 106.7                             | 2.62           | PHC 220B... |
| –                 | 224B                | 76.20        | 25.40                            | 25.40                                       | 14.63                         | 53.4        | 57.8          | 33.2                                | 6.00            | 4.80        | 160.0                                    | 178.0                             | 4.70           | PHC 224B... |
| –                 | 228B                | 88.90        | 27.94                            | 30.99                                       | 15.90                         | 65.1        | 69.5          | 36.7                                | 7.50            | 6.00        | 200.0                                    | 222.0                             | 6.23           | PHC 228B... |
| –                 | 232B                | 101.60       | 29.21                            | 30.99                                       | 17.81                         | 66.0        | 71.0          | 42.0                                | 7.00            | 6.00        | 250.0                                    | 277.5                             | 6.72           | PHC 232B... |

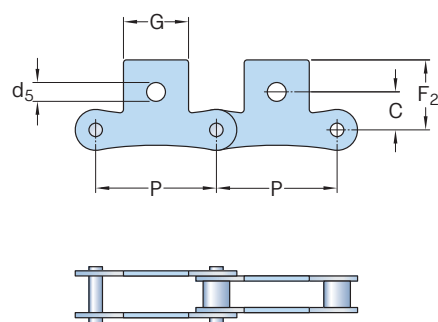
Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 2060 is PHC 2060X5MTR. One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

## Double pitch chains

### Transmission attachments



K-1



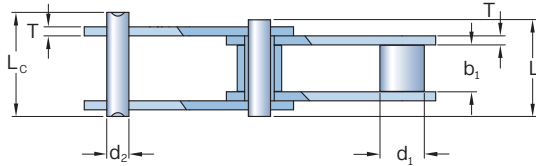
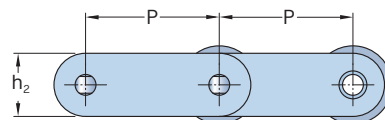
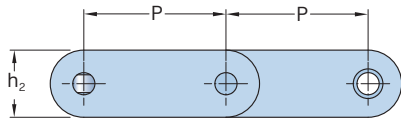
SK-1

| ANSI<br>Chain<br>number | BS/ISO<br>Chain<br>number | Dimensions |      |      |       |                |                |      |                |                | Designation |
|-------------------------|---------------------------|------------|------|------|-------|----------------|----------------|------|----------------|----------------|-------------|
|                         |                           | P          | G    | F1   | W     | h <sub>4</sub> | d <sub>4</sub> | C    | F <sub>2</sub> | d <sub>5</sub> |             |
| –                       | –                         | mm         |      |      |       |                |                |      |                |                | –           |
| 2040                    | 208A                      | 25.40      | 19.1 | 25.4 | 39.6  | 9.1            | 3.4            | 11.1 | 20.5           | 5.5            | PHC 2040... |
| 2050                    | 210A                      | 31.75      | 23.8 | 31.8 | 49.0  | 11.1           | 5.5            | 14.3 | 25.0           | 6.6            | PHC 2050... |
| 2060                    | 212A                      | 38.10      | 28.6 | 42.9 | 67.8  | 14.7           | 5.5            | 17.5 | 32.9           | 9.2            | PHC 2060... |
| 2080                    | 216A                      | 50.80      | 38.1 | 55.6 | 87.8  | 19.1           | 6.8            | 22.2 | 43.5           | 11.0           | PHC 2080... |
| 2100                    | 220A                      | 63.50      | 47.6 | 66.6 | 107.5 | 23.4           | 9.2            | 28.6 | 50.4           | 13.0           | PHC 2100... |
| 2120                    | 224A                      | 76.20      | 57.2 | 79.3 | 121.4 | 27.8           | 10.5           | 33.3 | 55.5           | 15.0           | PHC 2120... |
| –                       | 208B                      | 25.40      | 23.2 | 25.4 | 39.6  | 9.1            | 4.5            | 11.1 | 20.5           | 5.5            | PHC 208B... |
| –                       | 210B                      | 31.75      | 23.8 | 31.8 | 49.0  | 11.1           | 5.5            | –    | –              | –              | PHC 210B... |
| –                       | 212B                      | 38.10      | 35.0 | 38.1 | 57.0  | 14.7           | 6.6            | –    | –              | –              | PHC 212B... |
| –                       | 216B                      | 50.80      | 44.0 | 50.8 | 84.0  | 19.1           | 6.6            | –    | –              | –              | PHC 216B... |
| –                       | 220B                      | 63.50      | 52.0 | 63.5 | 104.0 | 23.4           | 8.4            | –    | –              | –              | PHC 220B... |
| –                       | 224B                      | 76.20      | 60.0 | 76.2 | 120.0 | 27.8           | 10.5           | –    | –              | –              | PHC 224B... |

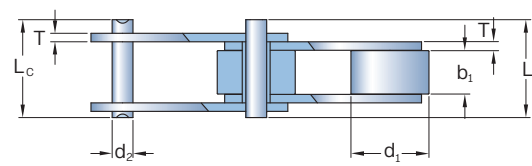
To complete designation, add attachment spacing and type followed by chain length. For example, PHC 2060-L1K1X10FT (2060 chain with K-1 attachment on every link, 10 ft. length).  
Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC 2060SS-L1K1X10FT.

## Conveyor chains

### C series



Small roller type



Large roller type

| ANSI Chain number | BS/ISO Chain number | Dimensions |                                        | Width between inner plates<br>b <sub>1</sub> Min. | Pin diameter<br>d <sub>2</sub> Max. | Pin length |                     | Inner plate height<br>h <sub>2</sub> Max. | Plate thickness<br>T Max. | Ultimate tensile strength<br>Q Min. | Average tensile strength<br>Q <sub>0</sub> | Mass per meter | Designation   |
|-------------------|---------------------|------------|----------------------------------------|---------------------------------------------------|-------------------------------------|------------|---------------------|-------------------------------------------|---------------------------|-------------------------------------|--------------------------------------------|----------------|---------------|
|                   |                     | Pitch<br>P | Roller diameter<br>d <sub>1</sub> Max. |                                                   |                                     | L Max.     | L <sub>c</sub> Max. |                                           |                           |                                     |                                            |                |               |
| —                 | —                   | mm         |                                        |                                                   |                                     |            |                     |                                           |                           | kN                                  |                                            | kg/m           | —             |
| C2040             | C208A               | 25.40      | 7.95                                   | 7.85                                              | 3.96                                | 16.6       | 17.8                | 12.0                                      | 1.50                      | 14.1                                | 16.7                                       | 0.50           | PHCC2040...   |
| C2042             | C208AL              | 25.40      | 15.88                                  | 7.85                                              | 3.96                                | 16.6       | 17.8                | 12.0                                      | 1.50                      | 14.1                                | 16.7                                       | 0.84           | PHC C2042...  |
| C2040H            | C208AH              | 25.40      | 7.95                                   | 7.85                                              | 3.96                                | 18.8       | 19.9                | 12.0                                      | 2.03                      | 14.1                                | 17.2                                       | 0.65           | PHC C2040H... |
| C2050             | C210A               | 31.75      | 10.16                                  | 9.40                                              | 5.08                                | 20.7       | 22.2                | 15.0                                      | 2.03                      | 22.2                                | 28.1                                       | 0.78           | PHC C2050...  |
| C2052             | C210AL              | 31.75      | 19.05                                  | 9.40                                              | 5.08                                | 20.7       | 22.2                | 15.0                                      | 2.03                      | 22.2                                | 28.1                                       | 1.27           | PHC C2052...  |
| C2060             | C212A               | 38.10      | 11.91                                  | 12.57                                             | 5.94                                | 25.9       | 27.7                | 18.0                                      | 2.42                      | 31.8                                | 36.8                                       | 1.12           | PHCC2060...   |
| C2062             | C212AL              | 38.10      | 22.23                                  | 12.57                                             | 5.94                                | 25.9       | 27.7                | 18.0                                      | 2.42                      | 31.8                                | 36.8                                       | 1.61           | PHC C2062...  |
| C2060H            | C212AH              | 38.10      | 11.91                                  | 12.57                                             | 5.94                                | 29.2       | 31.6                | 18.0                                      | 3.25                      | 31.8                                | 41.6                                       | 1.44           | PHC C2060H... |
| C2062H            | C212AHL             | 38.10      | 22.23                                  | 12.57                                             | 5.94                                | 29.2       | 31.6                | 18.0                                      | 3.25                      | 31.8                                | 41.6                                       | 2.07           | PHC C2062H... |
| C2080             | C216A               | 50.80      | 15.88                                  | 15.75                                             | 7.92                                | 32.7       | 36.5                | 24.0                                      | 3.25                      | 56.7                                | 65.7                                       | 2.08           | PHC C2080...  |
| C2082             | C216AL              | 50.80      | 28.58                                  | 15.75                                             | 7.92                                | 32.7       | 36.5                | 24.0                                      | 3.25                      | 56.7                                | 65.7                                       | 3.12           | PHC C2082...  |
| C2080H            | C216AH              | 50.80      | 15.88                                  | 15.75                                             | 7.92                                | 36.2       | 39.4                | 24.0                                      | 4.00                      | 56.7                                | 70.0                                       | 2.54           | PHC C2080H... |
| C2082H            | C216AHL             | 50.80      | 28.58                                  | 15.75                                             | 7.92                                | 36.2       | 39.4                | 24.0                                      | 4.00                      | 56.7                                | 70.0                                       | 3.58           | PHC C2082H... |
| C2100             | C220A               | 63.50      | 19.05                                  | 18.90                                             | 9.53                                | 40.4       | 44.7                | 30.0                                      | 4.00                      | 88.5                                | 102.6                                      | 3.01           | PHC C2100...  |
| C2102             | C220AL              | 63.50      | 39.67                                  | 18.90                                             | 9.53                                | 40.4       | 44.7                | 30.0                                      | 4.00                      | 88.5                                | 102.6                                      | 4.83           | PHC C2102...  |
| C2100H            | C220AH              | 63.50      | 19.05                                  | 18.90                                             | 9.53                                | 43.6       | 46.9                | 30.0                                      | 4.80                      | 88.5                                | 112.4                                      | 3.56           | PHC C2100H... |
| C2102H            | C220AHL             | 63.50      | 39.67                                  | 18.90                                             | 9.53                                | 43.6       | 46.9                | 30.0                                      | 4.80                      | 88.5                                | 112.4                                      | 5.38           | PHC C2102H... |
| C2120             | C224A               | 76.20      | 22.23                                  | 25.22                                             | 11.10                               | 50.3       | 54.3                | 35.7                                      | 4.80                      | 127.0                               | 147.3                                      | 4.66           | PHC C2120...  |
| C2122             | C224AL              | 76.20      | 44.45                                  | 25.22                                             | 11.10                               | 50.3       | 54.3                | 35.7                                      | 4.80                      | 127.0                               | 147.3                                      | 7.66           | PHC C2122...  |
| C2120H            | C224AH              | 76.20      | 22.23                                  | 25.22                                             | 11.10                               | 53.5       | 57.5                | 35.7                                      | 5.60                      | 127.0                               | 160.9                                      | 5.26           | PHC C2120H... |
| C2122H            | C224AHL             | 76.20      | 44.45                                  | 25.22                                             | 11.10                               | 53.5       | 57.5                | 35.7                                      | 5.60                      | 127.0                               | 160.9                                      | 8.26           | PHC C2122H... |
| C2160             | C232A               | 101.60     | 28.58                                  | 31.75                                             | 14.27                               | 64.8       | 69.6                | 47.8                                      | 6.40                      | 226.8                               | 278.9                                      | 8.15           | PHC C2160...  |
| C2162             | C232AL              | 101.60     | 57.15                                  | 31.75                                             | 14.27                               | 64.8       | 69.6                | 47.8                                      | 6.40                      | 226.8                               | 278.9                                      | 13.00          | PHC C2162...  |
| C2160H            | C232AH              | 101.60     | 28.58                                  | 31.75                                             | 14.27                               | 68.2       | 73.0                | 47.8                                      | 7.20                      | 226.8                               | 285.8                                      | 9.06           | PHC C2160H... |
| C2162H            | C232AHL             | 101.60     | 57.15                                  | 31.75                                             | 14.27                               | 68.2       | 73.0                | 47.8                                      | 7.20                      | 226.8                               | 285.8                                      | 12.77          | PHC C2162H... |

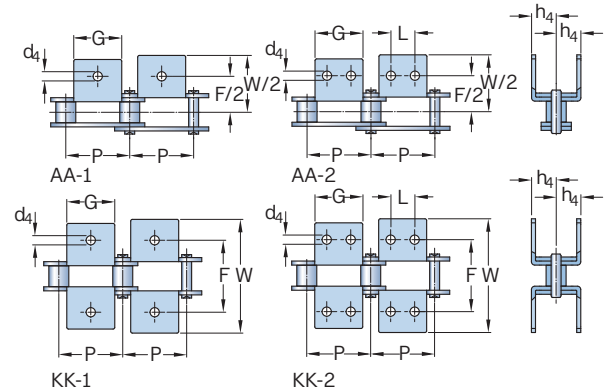
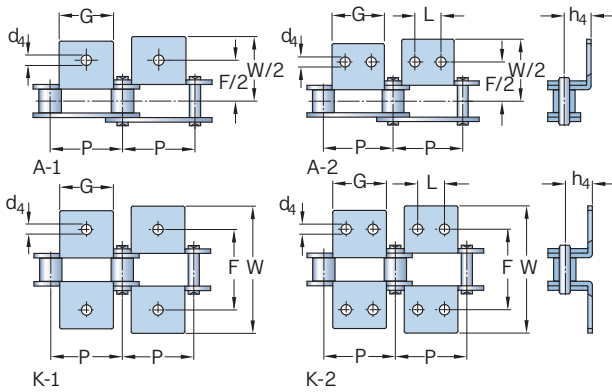
Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 2060-1 is PHC C2060X5MTR.

For ordering a special roller type add letter after pitch size (s for small rollers and p for large rollers). For example, to order C2040 with 25.40 mm pitch with small rollers in 10 ft. length, use designation PHC C2040-25.4SX10FT.

One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.

## Conveyor chain C series attachments

A-1 | A-2 | K-1 | K-2 | AA-1 | AA-2 | KK-1 | KK-2



| ANSI Chain number    | Chain number | Dimensions |      |      |       |       |                |                | Designation   |
|----------------------|--------------|------------|------|------|-------|-------|----------------|----------------|---------------|
|                      |              | P          | G    | L    | F     | W     | h <sub>4</sub> | d <sub>4</sub> |               |
| –                    | –            | mm         |      |      |       |       |                |                | –             |
| C2040 <sup>1)</sup>  | C208A        | 25.4       | 19.1 | 9.5  | 25.4  | 39.6  | 9.1            | 3.4            | PHC C2040...  |
| C2042 <sup>1)</sup>  | C208AL       | 25.4       | 19.1 | 9.5  | 25.4  | 39.6  | 9.1            | 3.4            | PHC C2042...  |
| C2050 <sup>1)</sup>  | C210A        | 31.8       | 23.8 | 11.9 | 31.8  | 49.0  | 11.1           | 5.5            | PHC C2050...  |
| C2052 <sup>1)</sup>  | C210AL       | 31.8       | 23.8 | 11.9 | 31.8  | 49.0  | 11.1           | 5.5            | PHC C2052...  |
| C2060 <sup>1)</sup>  | C212A        | 38.1       | 28.6 | 14.3 | 42.9  | 67.8  | 14.7           | 5.5            | PHC C2060...  |
| C2062 <sup>1)</sup>  | C212AL       | 38.1       | 28.6 | 14.3 | 42.9  | 67.8  | 14.7           | 5.5            | PHC C2062...  |
| C2060H <sup>1)</sup> | C212AH       | 38.1       | 28.6 | 14.3 | 42.9  | 67.8  | 14.7           | 5.5            | PHC C2060H... |
| C2062H <sup>1)</sup> | C212AHL      | 38.1       | 28.6 | 14.3 | 42.9  | 67.8  | 14.7           | 5.5            | PHC C2062H... |
| C2080 <sup>1)</sup>  | C216A        | 50.8       | 38.1 | 19.1 | 55.6  | 87.8  | 19.1           | 6.8            | PHC C2080...  |
| C2082 <sup>1)</sup>  | C216AL       | 50.8       | 38.1 | 19.1 | 55.6  | 87.8  | 19.1           | 6.8            | PHC C2082...  |
| C2080H <sup>1)</sup> | C216AH       | 50.8       | 38.1 | 19.1 | 55.6  | 87.8  | 19.1           | 6.8            | PHC C2080H... |
| C2082H <sup>1)</sup> | C216AHL      | 50.8       | 38.1 | 19.1 | 55.6  | 87.8  | 19.1           | 6.8            | PHC C2082H... |
| C2100                | C220A        | 63.5       | 47.6 | 23.8 | 66.6  | 107.5 | 23.4           | 9.2            | PHC C2100...  |
| C2102                | C220AL       | 63.5       | 47.6 | 23.8 | 66.6  | 107.5 | 23.4           | 9.2            | PHC C2102...  |
| C2100H               | C220AH       | 63.5       | 47.6 | 23.8 | 66.6  | 107.5 | 23.4           | 9.2            | PHC C2100H... |
| C2102H               | C220AHL      | 63.5       | 47.6 | 23.8 | 66.6  | 107.5 | 23.4           | 9.2            | PHC C2102H... |
| C2120                | C224A        | 76.2       | 57.2 | 28.6 | 79.3  | 121.4 | 27.8           | 11.0           | PHC C2120...  |
| C2122                | C224AL       | 76.2       | 57.2 | 28.6 | 79.3  | 121.4 | 27.8           | 11.0           | PHC C2122...  |
| C2120H               | C224AH       | 76.2       | 57.2 | 28.6 | 79.3  | 121.4 | 27.8           | 11.0           | PHC C2120H... |
| C2122H               | C224AHL      | 76.2       | 57.2 | 28.6 | 79.3  | 121.4 | 27.8           | 11.0           | PHC C2122H... |
| C2160                | C232A        | 101.6      | 76.2 | 38.1 | 104.7 | 151.6 | 36.5           | 13.1           | PHC C2160...  |
| C2162                | C232AL       | 101.6      | 76.2 | 38.1 | 104.7 | 151.6 | 36.5           | 13.1           | PHC C2162...  |
| C2160H               | C232AH       | 101.6      | 76.2 | 38.1 | 104.7 | 151.6 | 36.5           | 13.1           | PHC C2160H... |
| C2162H               | C232AHL      | 101.6      | 76.2 | 38.1 | 104.7 | 151.6 | 36.5           | 13.1           | PHC C2162H... |

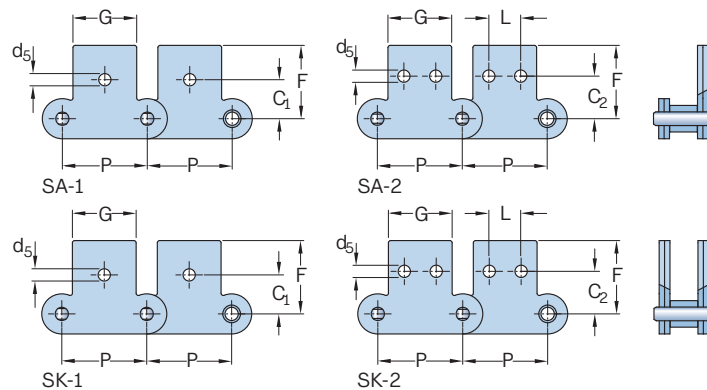
<sup>1)</sup> For these chains AA-1, AA-2, KK-1 and KK-2 attachments are available.

To complete designation, add attachment spacing and type followed by chain length. For example, PHC C2060-L2A1X10FT (C2060 with A-1 attachment on every second link, 10 ft. length).

Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC C2060SS-L2A1X10FT.

# Conveyor chain C series attachments

SA-1 | SA-2 | SK-1 | SK-2

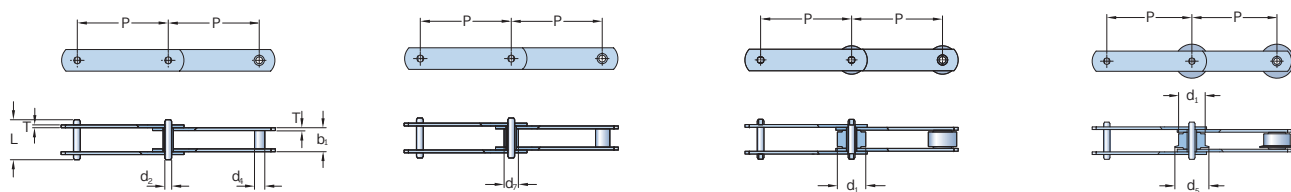


| ANSI<br>Chain<br>number | BS/ISO<br>Chain<br>number | Dimensions |      |      |                |                |      |                |                | Designation   |
|-------------------------|---------------------------|------------|------|------|----------------|----------------|------|----------------|----------------|---------------|
|                         |                           | P          | G    | L    | C <sub>1</sub> | C <sub>2</sub> | F    | d <sub>4</sub> | d <sub>5</sub> |               |
| –                       | –                         | mm         |      |      |                |                |      |                |                | –             |
| C2040                   | C208A                     | 25.4       | 19.1 | 9.5  | 11.1           | 13.5           | 20.5 | 3.4            | 5.5            | PHC C2040...  |
| C2042                   | C208AL                    | 25.4       | 19.1 | 9.5  | 11.1           | 13.5           | 20.5 | 3.4            | 5.5            | PHC C2042...  |
| C2050                   | C210A                     | 31.8       | 23.8 | 11.9 | 14.3           | 15.9           | 25.0 | 5.5            | 6.6            | PHC C2050...  |
| C2052                   | C210AL                    | 31.8       | 23.8 | 11.9 | 14.3           | 15.9           | 25.0 | 5.5            | 6.6            | PHC C2052...  |
| C2060                   | C212A                     | 38.1       | 28.6 | 14.3 | 17.5           | 19.1           | 32.9 | 5.5            | 9.2            | PHC C2060...  |
| C2062                   | C212AL                    | 38.1       | 28.6 | 14.3 | 17.5           | 19.1           | 32.9 | 5.5            | 9.2            | PHC C2062...  |
| C2060H                  | C212AH                    | 38.1       | 28.6 | 14.3 | 17.5           | 19.1           | 32.9 | 5.5            | 9.2            | PHC C2060H... |
| C2062H                  | C212AHL                   | 38.1       | 28.6 | 14.3 | 17.5           | 19.1           | 32.9 | 5.5            | 9.2            | PHC C2062H... |
| C2080                   | C216A                     | 50.8       | 38.1 | 19.1 | 22.2           | 25.4           | 43.5 | 6.6            | 11.0           | PHC C2080...  |
| C2082                   | C216AL                    | 50.8       | 38.1 | 19.1 | 22.2           | 25.4           | 43.5 | 6.6            | 11.0           | PHC C2082...  |
| C2080H                  | C216AH                    | 50.8       | 38.1 | 19.1 | 22.2           | 25.4           | 43.5 | 6.6            | 11.0           | PHC C2080H... |
| C2082H                  | C216AHL                   | 50.8       | 38.1 | 19.1 | 22.2           | 25.4           | 43.5 | 6.6            | 11.0           | PHC C2082H... |
| C2100                   | C220A                     | 63.5       | 47.6 | 23.8 | 28.6           | 31.8           | 50.4 | 8.4            | 13.0           | PHC C2100...  |
| C2102                   | C220AL                    | 63.5       | 47.6 | 23.8 | 28.6           | 31.8           | 50.4 | 8.4            | 13.0           | PHC C2102...  |
| C2100H                  | C220AH                    | 63.5       | 47.6 | 23.8 | 28.6           | 31.8           | 50.4 | 8.4            | 13.0           | PHC C2100H... |
| C2102H                  | C220AHL                   | 63.5       | 47.6 | 23.8 | 28.6           | 31.8           | 50.4 | 8.4            | 13.0           | PHC C2102H... |

To complete designation, add attachment spacing and type followed by chain length. For example, PHC C2060-1-L5SK2X10FT (C2060-1 with SK-2 attachment on every fifth link, 10 ft. length).  
Note: Also available in stainless steel. When ordering, add SS after the chain number. For example, PHC C2060-1SS-L5SK2X10FT.

## Conveyor chains

### M series



without roller

with S small roller

with P large roller

with F flanged roller

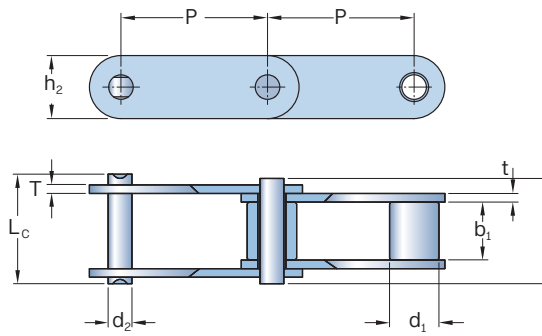
| BS/ISO Chain number | Dimensions          |                     |                     | Bush diameter | Width between inner plates | Pin diameter | Pin length | Plate height | Plate thickness | Ultimate tensile strength | Average tensile strength | Designation  |
|---------------------|---------------------|---------------------|---------------------|---------------|----------------------------|--------------|------------|--------------|-----------------|---------------------------|--------------------------|--------------|
|                     | Roller diameter     |                     |                     |               |                            |              |            |              |                 |                           |                          |              |
|                     | d <sub>1</sub> Max. | d <sub>7</sub> Max. | d <sub>5</sub> Max. |               |                            |              |            |              |                 | d <sub>4</sub> Max.       | b <sub>1</sub> Max.      |              |
| —                   | mm                  |                     |                     |               |                            |              |            |              |                 | kN                        | —                        |              |
| M20A                | 25                  | 12.5                | 32                  | 9.0           | 16                         | 6.0          | 35         | 19           | 2.5             | 20                        | 25.0                     | PHC M20A...  |
| M28A                | 30                  | 15.0                | 36                  | 10.0          | 18                         | 7.0          | 40         | 21           | 3.0             | 28                        | 35.0                     | PHC M28A...  |
| M40A                | 36                  | 18.0                | 42                  | 12.5          | 20                         | 8.5          | 45         | 26           | 3.5             | 40                        | 50.0                     | PHC M40A...  |
| M56A                | 42                  | 21.0                | 50                  | 15.0          | 24                         | 10.0         | 52         | 31           | 4.0             | 56                        | 70.0                     | PHC M56A...  |
| M80A                | 50                  | 25.0                | 60                  | 18.0          | 28                         | 12.0         | 62         | 36           | 5.0             | 80                        | 100.0                    | PHC M80A...  |
| M112A               | 60                  | 30.0                | 70                  | 21.0          | 32                         | 15.0         | 73         | 41           | 6.0             | 112                       | 140.0                    | PHC M112A... |
| M160A               | 70                  | 36.0                | 85                  | 25.0          | 37                         | 18.0         | 85         | 51           | 7.0             | 160                       | 200.0                    | PHC M160A... |
| M224A               | 85                  | 42.0                | 100                 | 30.0          | 43                         | 21.0         | 98         | 62           | 8.0             | 224                       | 280.0                    | PHC M224A... |
| M315A               | 100                 | 50.0                | 120                 | 36.0          | 48                         | 25.0         | 112        | 72           | 10.0            | 315                       | 393.7                    | PHC M315A... |
| M450A               | 120                 | 60.0                | 140                 | 42.0          | 56                         | 30.0         | 135        | 82           | 12.0            | 450                       | 562.5                    | PHC M450A... |

| BS/ISO Chain number | Pitch sizes available |                  |                  |                  |                   |                   |                   |     |      |     |       |     |
|---------------------|-----------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-----|------|-----|-------|-----|
|                     | P                     |                  |                  |                  |                   |                   |                   |     |      |     |       |     |
|                     | mm                    |                  |                  |                  |                   |                   |                   |     |      |     |       |     |
| M20                 | 40 <sup>1)</sup>      | 50               | 63               | 80               | 100               | 125               | 160               | –   | –    | –   | –     | –   |
| M28                 | –                     | 50 <sup>1)</sup> | 63               | 80               | 100               | 125               | 160               | 200 | –    | –   | –     | –   |
| M40                 | –                     | –                | 63               | 80               | 100               | 125               | 160               | 200 | 250  | –   | –     | –   |
| M56                 | –                     | –                | 63 <sup>1)</sup> | 80               | 100               | 125               | 160               | 200 | 250  | –   | –     | –   |
| M80                 | –                     | –                | –                | 80               | 100               | 125               | 160               | 200 | 250  | 315 | –     | –   |
| M112                | –                     | –                | –                | 80 <sup>1)</sup> | 100               | 125               | 160               | 200 | 250  | 315 | 400   | –   |
| M160                | –                     | –                | –                | –                | 100 <sup>1)</sup> | 125               | 160               | 200 | 250  | 315 | 400   | 500 |
| M224                | –                     | –                | –                | –                | –                 | 125 <sup>1)</sup> | 160               | 200 | 250  | 315 | 400   | 500 |
| M315                | –                     | –                | –                | –                | –                 | –                 | 160 <sup>1)</sup> | 200 | 250  | 315 | 400   | 500 |
| M450                | –                     | –                | –                | –                | –                 | –                 | –                 | 200 | 250  | 315 | 400   | 500 |
|                     | 120                   | 60.0             | 140              | 42.0             | 56                | 30.0              | 135               | 82  | 12.0 | 450 | 562.5 | 800 |

<sup>1)</sup> Only available with small roller or without roller.

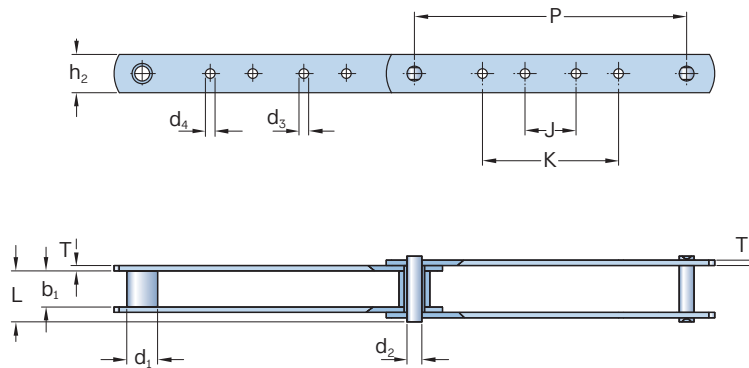
Standard lengths are 10 ft. and 5 m. To complete designation, add pitch size and chain length. For example, to order M20A with 40 mm pitch without roller in 10 ft. length, use designation PHC M20A-40X10FT.  
For ordering a special roller type, add letter after pitch size (s for small roller, p for large roller and f for flanged roller). For example, to order M20A with 40 mm pitch with small roller in 10 ft length, use designation PHC M20A-40SX10FT.  
One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.  
For the complete range of SKF Conveyor Chains available, please refer to the SKF Conveyor Chain Catalogue (PUB PT/P2 10818 EN).

Conveyor chain  
Lumber mill series | 3939 series



| Chain number | Dimensions |                     |                            |                     |            |                |                     |                 |        | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation     |
|--------------|------------|---------------------|----------------------------|---------------------|------------|----------------|---------------------|-----------------|--------|---------------------------|--------------------------|----------------|-----------------|
|              | Pitch      | Roller diameter     | Width between inner plates | Pin diameter        | Pin length |                | Inner plate height  | Plate thickness |        |                           |                          |                |                 |
|              | P          | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max.     | L <sub>c</sub> | h <sub>2</sub> Max. | t Max.          | T Max. |                           |                          |                |                 |
| –            | mm         |                     |                            |                     |            |                |                     |                 |        | kN                        |                          | kg/m           | –               |
| 81X          | 66.27      | 23.0                | 27.00                      | 11.10               | 49.0       | 53.5           | 28.50               | 4.00            | 4.00   | 106.7                     | 128.9                    | 3.78           | PHC 81X...      |
| 81XH         | 66.27      | 23.0                | 27.78                      | 11.10               | 60.7       | 65.1           | 31.35               | 7.94            | 5.55   | 151.9                     | 175.7                    | 5.88           | PHC 81XH...     |
| 81XHH        | 66.27      | 23.0                | 27.78                      | 11.10               | 65.6       | 70.0           | 31.35               | 7.94            | 7.94   | 191.1                     | 212.6                    | 6.70           | PHC 81XHH...    |
| 81XHS        | 66.27      | 23.0                | 27.00                      | 11.10               | 63.6       | 68.0           | 31.80               | 7.60            | 7.60   | 152.0                     | 177.2                    | 6.55           | PHC 81XHS...    |
| 500R         | 50.00      | 25.4                | 25.40                      | 14.63               | 52.0       | 56.4           | 40.00               | 5.00            | 5.00   | 100.0                     | 114.5                    | 7.13           | PHC 500R...     |
| 441.100R     | 100.00     | 25.4                | 25.40                      | 14.63               | 52.0       | 56.4           | 40.00               | 5.00            | 5.00   | 100.0                     | 114.5                    | 5.15           | PHC 441.100R... |

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 81X is PHC 81XX5MTR.  
One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.



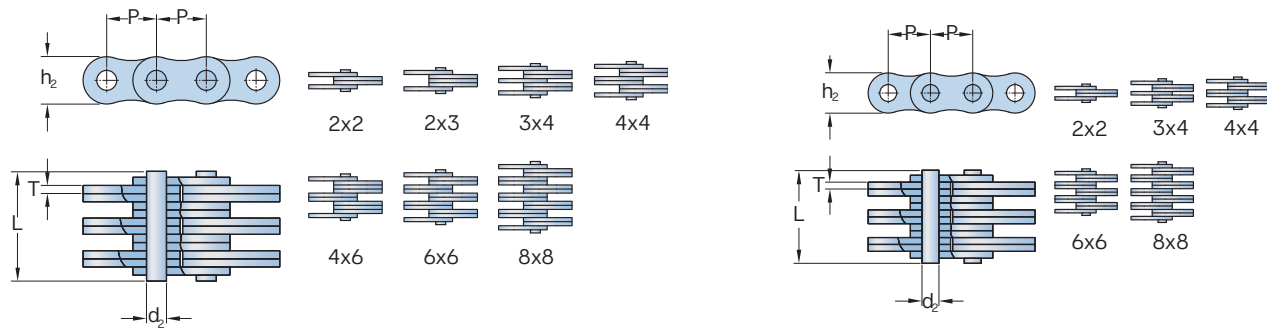
| Chain number | Dimensions |                     |                            |                     |            |                     |                     |                     |        |        | Plate thickness | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation     |
|--------------|------------|---------------------|----------------------------|---------------------|------------|---------------------|---------------------|---------------------|--------|--------|-----------------|---------------------------|--------------------------|----------------|-----------------|
|              | Pitch      | Roller diameter     | Width between inner plates | Pin diameter        | Pin length | Inner plate height  |                     |                     |        |        |                 |                           |                          |                |                 |
|              | P          | d <sub>1</sub> Max. | b <sub>1</sub> Min.        | d <sub>2</sub> Max. | L Max.     | h <sub>2</sub> Max. | d <sub>3</sub> Max. | d <sub>4</sub> Max. | J Max. | K Max. |                 |                           |                          |                |                 |
| –            | mm         |                     |                            |                     |            |                     |                     |                     |        |        |                 | kN                        |                          | kg/m           | –               |
| 3939-B4      | 203.2      | 23                  | 27                         | 11.1                | 49         | 28.58               | 7.2                 | 7.2                 | 38.1   | 101.6  | 4               | 115.58                    | 136.5                    | 2.45           | PHC 3939-B4...  |
| 3939-B21     | 203.2      | 23                  | 27                         | 11.1                | 49         | 28.58               | 7.2                 | –                   | 38.1   | –      | 4               | 115.58                    | 136.5                    | 2.45           | PHC 3939-B21... |
| 3939-B23     | 203.2      | 23                  | 27                         | 11.1                | 49         | 28.58               | –                   | 10.3                | –      | 92.1   | 4               | 115.58                    | 136.5                    | 2.45           | PHC 3939-B23... |
| 3939-B24     |            | 23                  | 27                         | 11.1                | 49         | 28.58               | –                   | 7.2                 | –      | 101.6  | 4               | 115.58                    | 136.5                    | 2.48           | PHC 3939-B24... |
| 3939-B40     |            | 23                  | 27                         | 11.1                | 49         | 28.58               | –                   | 10.3                | –      | 101.6  | 4               | 115.58                    | 136.5                    | 2.45           | PHC 3939-B40... |
| 3939-B43     |            | 23                  | 27                         | 11.1                | 49         | 28.58               | 7.2                 | 10.3                | 38.1   | 92.1   | 4               | 115.58                    | 136.5                    | 2.42           | PHC 3939-B43... |
| 3939-B44     |            | 23                  | 27                         | 11.1                | 49         | 28.58               | 7.2                 | 10.3                | 38.1   | 101.6  | 4               | 115.58                    | 136.5                    | 2.45           | PHC 3939-B44... |

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5 m box of 3939-B4 is PHC 3939-B4X5MTR.  
One connecting link is contained per chain. For additional links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.



## Leaf chains

ANSI BL422-BL1646 (LH0822 - LH3222)



| ANSI Chain number | BS/ISO Chain number | Dimensions<br>Pitch<br>P | Plate lacing | Pin diameter<br>d <sub>2</sub><br>Max. | Pin length<br>L<br>Max. | Plate height<br>h <sub>2</sub><br>Max. | Plate thickness<br>T<br>Max. | Ultimate tensile strength<br>Q<br>Min. | Average tensile strength<br>Q <sub>0</sub> | Mass per meter | Designation   |
|-------------------|---------------------|--------------------------|--------------|----------------------------------------|-------------------------|----------------------------------------|------------------------------|----------------------------------------|--------------------------------------------|----------------|---------------|
| –                 | –                   | mm                       |              |                                        |                         |                                        |                              | kN                                     |                                            | kg/m           | –             |
| BL422             | LH0822              | 12.70                    | 2 x 2        | 5.09                                   | 11.05                   | 12.07                                  | 2.08                         | 22.2                                   | 27.6                                       | 0.64           | PHC BL422...  |
| BL423             | LH0823              | 12.70                    | 2 x 3        | 5.09                                   | 13.16                   | 12.07                                  | 2.08                         | 22.2                                   | 27.6                                       | 0.80           | PHC BL423...  |
| BL434             | LH0834              | 12.70                    | 3 x 4        | 5.09                                   | 17.40                   | 12.07                                  | 2.08                         | 33.4                                   | 41.4                                       | 1.12           | PHC BL434...  |
| BL444             | LH0844              | 12.70                    | 4 x 4        | 5.09                                   | 19.51                   | 12.07                                  | 2.08                         | 44.5                                   | 56.0                                       | 1.28           | PHC BL444...  |
| BL446             | LH0846              | 12.70                    | 4 x 6        | 5.09                                   | 23.75                   | 12.07                                  | 2.08                         | 44.5                                   | 56.0                                       | 1.60           | PHC BL446...  |
| BL466             | LH0866              | 12.70                    | 6 x 6        | 5.09                                   | 27.99                   | 12.07                                  | 2.08                         | 66.7                                   | 81.7                                       | 1.92           | PHC BL466...  |
| BL488             | LH0888              | 12.70                    | 8 x 8        | 5.09                                   | 36.45                   | 12.07                                  | 2.08                         | 89.0                                   | 109.4                                      | 2.56           | PHC BL488...  |
| BL522             | LH1022              | 15.88                    | 2 x 2        | 5.96                                   | 12.90                   | 15.09                                  | 2.44                         | 33.4                                   | 43.1                                       | 0.88           | PHC BL522...  |
| BL523             | LH1023              | 15.88                    | 2 x 3        | 5.96                                   | 15.37                   | 15.09                                  | 2.44                         | 33.4                                   | 43.1                                       | 1.10           | PHC BL523...  |
| BL534             | LH1034              | 15.88                    | 3 x 4        | 5.96                                   | 20.32                   | 15.09                                  | 2.44                         | 48.9                                   | 65.6                                       | 1.50           | PHC BL534...  |
| BL544             | LH1044              | 15.88                    | 4 x 4        | 5.96                                   | 22.78                   | 15.09                                  | 2.44                         | 66.7                                   | 84.5                                       | 1.80           | PHC BL544...  |
| BL546             | LH1046              | 15.88                    | 4 x 6        | 5.96                                   | 27.74                   | 15.09                                  | 2.44                         | 66.7                                   | 84.5                                       | 2.20           | PHC BL546...  |
| BL566             | LH1066              | 15.88                    | 6 x 6        | 5.96                                   | 32.69                   | 15.09                                  | 2.44                         | 100.1                                  | 125.1                                      | 2.65           | PHC BL566...  |
| BL588             | LH1088              | 15.88                    | 8 x 8        | 5.96                                   | 42.57                   | 15.09                                  | 2.44                         | 133.4                                  | 169.5                                      | 3.50           | PHC BL588...  |
| BL622             | LH1222              | 19.05                    | 2 x 2        | 7.94                                   | 17.37                   | 18.11                                  | 3.30                         | 48.9                                   | 63.6                                       | 1.45           | PHC BL622...  |
| BL623             | LH1223              | 19.05                    | 2 x 3        | 7.94                                   | 20.73                   | 18.11                                  | 3.30                         | 48.9                                   | 63.6                                       | 1.80           | PHC BL623...  |
| BL634             | LH1234              | 19.05                    | 3 x 4        | 7.94                                   | 27.43                   | 18.11                                  | 3.30                         | 75.6                                   | 102.8                                      | 2.50           | PHC BL634...  |
| BL644             | LH1244              | 19.05                    | 4 x 4        | 7.94                                   | 30.78                   | 18.11                                  | 3.30                         | 97.9                                   | 120.9                                      | 2.90           | PHC BL644...  |
| BL646             | LH1246              | 19.05                    | 4 x 6        | 7.94                                   | 37.49                   | 18.11                                  | 3.30                         | 97.9                                   | 120.9                                      | 3.60           | PHC BL646...  |
| BL666             | LH1266              | 19.05                    | 6 x 6        | 7.94                                   | 44.20                   | 18.11                                  | 3.30                         | 146.8                                  | 190.8                                      | 4.30           | PHC BL666...  |
| BL688             | LH1288              | 19.05                    | 8 x 8        | 7.94                                   | 57.61                   | 18.11                                  | 3.30                         | 195.7                                  | 238.8                                      | 5.80           | PHC BL688...  |
| BL822             | LH1622              | 25.40                    | 2 x 2        | 9.54                                   | 21.34                   | 24.13                                  | 4.09                         | 84.5                                   | 108.2                                      | 2.20           | PHC BL822...  |
| BL823             | LH1623              | 25.40                    | 2 x 3        | 9.54                                   | 25.48                   | 24.13                                  | 4.09                         | 84.5                                   | 108.2                                      | 2.70           | PHC BL823...  |
| BL834             | LH1634              | 25.40                    | 3 x 4        | 9.54                                   | 33.76                   | 24.13                                  | 4.09                         | 129.0                                  | 170.0                                      | 3.80           | PHC BL834...  |
| BL844             | LH1644              | 25.40                    | 4 x 4        | 9.54                                   | 37.90                   | 24.13                                  | 4.09                         | 169.0                                  | 214.6                                      | 4.30           | PHC BL844...  |
| BL846             | LH1646              | 25.40                    | 4 x 6        | 9.54                                   | 46.18                   | 24.13                                  | 4.09                         | 169.0                                  | 214.6                                      | 5.40           | PHC BL846...  |
| BL866             | LH1666              | 25.40                    | 6 x 6        | 9.54                                   | 54.46                   | 24.13                                  | 4.09                         | 253.6                                  | 324.5                                      | 6.50           | PHC BL866...  |
| BL888             | LH1688              | 25.40                    | 8 x 8        | 9.54                                   | 71.02                   | 24.13                                  | 4.09                         | 338.1                                  | 432.7                                      | 8.60           | PHC BL888...  |
| BL1022            | LH2022              | 31.75                    | 2 x 2        | 11.11                                  | 25.37                   | 30.18                                  | 4.90                         | 115.6                                  | 150.8                                      | 3.40           | PHC BL1022... |
| BL1023            | LH2023              | 31.75                    | 2 x 3        | 11.11                                  | 30.33                   | 30.18                                  | 4.90                         | 115.6                                  | 150.8                                      | 4.30           | PHC BL1023... |
| BL1034            | LH2034              | 31.75                    | 3 x 4        | 11.11                                  | 40.23                   | 30.18                                  | 4.90                         | 182.4                                  | 231.6                                      | 6.00           | PHC BL1034... |
| BL1044            | LH2044              | 31.75                    | 4 x 4        | 11.11                                  | 45.19                   | 30.18                                  | 4.90                         | 231.3                                  | 291.4                                      | 6.90           | PHC BL1044... |
| BL1046            | LH2046              | 31.75                    | 4 x 6        | 11.11                                  | 55.09                   | 30.18                                  | 4.90                         | 231.3                                  | 291.4                                      | 8.60           | PHC BL1046... |
| BL1066            | LH2066              | 31.75                    | 6 x 6        | 11.11                                  | 65.00                   | 30.18                                  | 4.90                         | 347.0                                  | 430.3                                      | 10.30          | PHC BL1066... |
| BL1088            | LH2088              | 31.75                    | 8 x 8        | 11.11                                  | 84.81                   | 30.18                                  | 4.90                         | 462.6                                  | 555.1                                      | 13.80          | PHC BL1088... |
| BL1222            | LH2422              | 38.10                    | 2 x 2        | 12.71                                  | 29.62                   | 36.20                                  | 5.77                         | 151.2                                  | 192.0                                      | 4.60           | PHC BL1222... |
| BL1223            | LH2423              | 38.10                    | 2 x 3        | 12.71                                  | 35.43                   | 36.20                                  | 5.77                         | 151.2                                  | 192.0                                      | 5.80           | PHC BL1223... |
| BL1234            | LH2434              | 38.10                    | 3 x 4        | 12.71                                  | 47.07                   | 36.20                                  | 5.77                         | 244.6                                  | 315.9                                      | 8.10           | PHC BL1234... |
| BL1244            | LH2444              | 38.10                    | 4 x 4        | 12.71                                  | 52.88                   | 36.20                                  | 5.77                         | 302.5                                  | 381.1                                      | 9.30           | PHC BL1244... |
| BL1246            | LH2446              | 38.10                    | 4 x 6        | 12.71                                  | 64.52                   | 36.20                                  | 5.77                         | 302.5                                  | 381.1                                      | 11.60          | PHC BL1246... |
| BL1266            | LH2466              | 38.10                    | 6 x 6        | 12.71                                  | 76.15                   | 36.20                                  | 5.77                         | 453.7                                  | 543.6                                      | 13.90          | PHC BL1266... |
| BL1288            | LH2488              | 38.10                    | 8 x 8        | 12.71                                  | 99.42                   | 36.20                                  | 5.77                         | 605.0                                  | 726.0                                      | 18.60          | PHC BL1288... |
| BL1422            | LH2822              | 44.45                    | 2 x 2        | 14.29                                  | 33.55                   | 42.24                                  | 6.55                         | 191.3                                  | 225.7                                      | 6.10           | PHC BL1422... |
| BL1423            | LH2823              | 44.45                    | 2 x 3        | 14.29                                  | 40.16                   | 42.24                                  | 6.55                         | 191.3                                  | 225.7                                      | 7.60           | PHC BL1423... |
| BL1434            | LH2834              | 44.45                    | 3 x 4        | 14.29                                  | 53.37                   | 42.24                                  | 6.55                         | 315.8                                  | 372.6                                      | 10.60          | PHC BL1434... |
| BL1444            | LH2844              | 44.45                    | 4 x 4        | 14.29                                  | 59.97                   | 42.24                                  | 6.55                         | 382.6                                  | 451.2                                      | 12.20          | PHC BL1444... |
| BL1446            | LH2846              | 44.45                    | 4 x 6        | 14.29                                  | 73.18                   | 42.24                                  | 6.55                         | 382.6                                  | 451.2                                      | 15.20          | PHC BL1446... |
| BL1466            | LH2866              | 44.45                    | 6 x 6        | 14.29                                  | 86.39                   | 42.24                                  | 6.55                         | 578.3                                  | 682.4                                      | 18.20          | PHC BL1466... |
| BL1488            | LH2888              | 44.45                    | 8 x 8        | 14.29                                  | 112.80                  | 42.24                                  | 6.55                         | 765.1                                  | 902.8                                      | 24.30          | PHC BL1488... |
| BL1622            | LH3222              | 50.80                    | 2 x 2        | 17.46                                  | 39.01                   | 48.26                                  | 7.52                         | 289.1                                  | 341.1                                      | 8.00           | PHC BL1622... |

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5m box of BL422 is PHC BL422X5MTR.  
One connecting link is contained per chain.

## Leaf chains

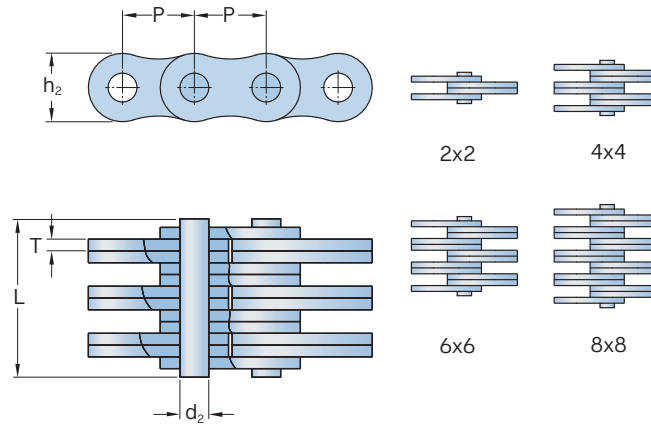
ANSI BL1623-BL2088 (L3223 - LH4088) | ANSI AL322-AL1688

| ANSI Chain number | BS/ISO Chain number | Dimensions<br>Pitch<br>P | Plate lacing | Pin diameter<br>d <sub>2</sub><br>Max. | Pin length<br>L<br>Max. | Plate height<br>h <sub>2</sub><br>Max. | Plate thickness<br>T<br>Max. | Ultimate tensile strength<br>Q<br>Min. | Average tensile strength<br>Q <sub>0</sub> | Mass per meter | Designation   |
|-------------------|---------------------|--------------------------|--------------|----------------------------------------|-------------------------|----------------------------------------|------------------------------|----------------------------------------|--------------------------------------------|----------------|---------------|
| –                 | –                   | mm                       |              |                                        |                         |                                        |                              | kN                                     |                                            | kg/m           | –             |
| BL1623            | LH3223              | 50.80                    | 2 x 3        | 17.46                                  | 46.58                   | 48.26                                  | 7.52                         | 289.1                                  | 341.1                                      | 10.00          | PHC BL1623... |
| BL1634            | LH3234              | 50.80                    | 3 x 4        | 17.46                                  | 61.72                   | 48.26                                  | 7.52                         | 440.4                                  | 519.6                                      | 14.00          | PHC BL1634... |
| BL1644            | LH3244              | 50.80                    | 4 x 4        | 17.46                                  | 69.29                   | 48.26                                  | 7.52                         | 573.8                                  | 680.4                                      | 16.00          | PHC BL1644... |
| BL1646            | LH3246              | 50.80                    | 4 x 6        | 17.46                                  | 84.43                   | 48.26                                  | 7.52                         | 578.3                                  | 680.4                                      | 20.00          | PHC BL1646... |
| BL1666            | LH3266              | 50.80                    | 6 x 6        | 17.46                                  | 99.57                   | 48.26                                  | 7.52                         | 857.4                                  | 1 000.7                                    | 24.00          | PHC BL1666... |
| BL1688            | LH3288              | 50.80                    | 8 x 8        | 17.46                                  | 129.84                  | 48.26                                  | 7.52                         | 1 156.5                                | 1 364.6                                    | 32.00          | PHC BL1688... |
| BL2022            | LH4022              | 63.50                    | 2 x 2        | 23.81                                  | 51.74                   | 60.33                                  | 9.91                         | 433.7                                  | 511.7                                      | 15.80          | PHC BL2022... |
| BL2023            | LH4023              | 63.50                    | 2 x 3        | 23.81                                  | 61.70                   | 60.33                                  | 9.91                         | 433.7                                  | 511.7                                      | 19.80          | PHC BL2023... |
| BL2034            | LH4034              | 63.50                    | 3 x 4        | 23.81                                  | 81.61                   | 60.33                                  | 9.91                         | 649.4                                  | 766.2                                      | 27.70          | PHC BL2034... |
| BL2044            | LH4044              | 63.50                    | 4 x 4        | 23.81                                  | 91.57                   | 60.33                                  | 9.91                         | 867.4                                  | 1 023.5                                    | 31.60          | PHC BL2044... |
| BL2046            | LH4046              | 63.50                    | 4 x 6        | 23.81                                  | 111.48                  | 60.33                                  | 9.91                         | 867.4                                  | 1 023.5                                    | 39.50          | PHC BL2046... |
| BL2066            | LH4066              | 63.50                    | 6 x 6        | 23.81                                  | 131.39                  | 60.33                                  | 9.91                         | 1 301.1                                | 1 535.2                                    | 47.40          | PHC BL2066... |
| BL2088            | LH4088              | 63.50                    | 8 x 8        | 23.81                                  | 171.22                  | 60.33                                  | 9.91                         | 1 734.8                                | 2 046.5                                    | 63.20          | PHC BL2088... |
| AL322             | –                   | 9.53                     | 2 x 2        | 3.58                                   | 6.80                    | 7.70                                   | 1.30                         | 9.0                                    | 10.2                                       | 0.23           | PHC AL322...  |
| AL344             | –                   | 9.53                     | 4 x 4        | 3.58                                   | 11.60                   | 7.70                                   | 1.30                         | 18.0                                   | 20.0                                       | 0.46           | PHC AL344...  |
| AL422             | –                   | 12.70                    | 2 x 2        | 3.96                                   | 8.30                    | 10.40                                  | 1.50                         | 14.1                                   | 16.9                                       | 0.39           | PHC AL422...  |
| AL444             | –                   | 12.70                    | 4 x 4        | 3.96                                   | 14.40                   | 10.40                                  | 1.50                         | 28.2                                   | 35.2                                       | 0.74           | PHC AL444...  |
| AL466             | –                   | 12.70                    | 6 x 6        | 3.96                                   | 20.50                   | 10.40                                  | 1.50                         | 42.3                                   | 52.7                                       | 1.13           | PHC AL466...  |
| AL522             | –                   | 15.88                    | 2 x 2        | 5.08                                   | 11.05                   | 12.80                                  | 2.03                         | 22.0                                   | 27.5                                       | 0.64           | PHC AL522...  |
| AL534             | –                   | 15.88                    | 3 x 4        | 5.08                                   | 17.00                   | 12.80                                  | 2.03                         | 33.0                                   | 46.0                                       | 1.10           | PHC AL534...  |
| AL544             | –                   | 15.88                    | 4 x 4        | 5.08                                   | 19.40                   | 12.80                                  | 2.03                         | 44.0                                   | 55.0                                       | 1.25           | PHC AL544...  |
| AL566             | –                   | 15.88                    | 6 x 6        | 5.08                                   | 27.50                   | 12.80                                  | 2.03                         | 66.0                                   | 82.5                                       | 1.79           | PHC AL566...  |
| AL622             | –                   | 19.05                    | 2 x 2        | 5.94                                   | 13.00                   | 15.60                                  | 2.42                         | 37.0                                   | 44.4                                       | 0.86           | PHC AL622...  |
| AL644             | –                   | 19.05                    | 4 x 4        | 5.94                                   | 22.70                   | 15.60                                  | 2.42                         | 63.7                                   | 78.8                                       | 1.76           | PHC AL644...  |
| AL666             | –                   | 19.05                    | 6 x 6        | 5.94                                   | 32.20                   | 15.60                                  | 2.42                         | 100.1                                  | 118.6                                      | 2.60           | PHC AL666...  |
| AL688             | –                   | 19.05                    | 8 x 8        | 5.94                                   | 42.20                   | 15.60                                  | 2.42                         | 133.4                                  | 156.6                                      | 3.49           | PHC AL688...  |
| AL822             | –                   | 25.40                    | 2 x 2        | 7.92                                   | 16.00                   | 20.50                                  | 3.25                         | 56.7                                   | 68.6                                       | 1.54           | PHC AL822...  |
| AL844             | –                   | 25.40                    | 4 x 4        | 7.92                                   | 29.40                   | 20.50                                  | 3.25                         | 113.4                                  | 135.6                                      | 3.00           | PHC AL844...  |
| AL866             | –                   | 25.40                    | 6 x 6        | 7.92                                   | 44.20                   | 20.50                                  | 3.25                         | 170.0                                  | 202.3                                      | 4.46           | PHC AL866...  |
| AL1022            | –                   | 31.75                    | 2 x 2        | 9.53                                   | 19.60                   | 25.60                                  | 4.00                         | 88.5                                   | 107.1                                      | 2.37           | PHC AL1022... |
| AL1044            | –                   | 31.75                    | 4 x 4        | 9.53                                   | 36.40                   | 25.60                                  | 4.00                         | 177.0                                  | 203.6                                      | 4.68           | PHC AL1044... |
| AL1066            | –                   | 31.75                    | 6 x 6        | 9.53                                   | 52.30                   | 25.60                                  | 4.00                         | 265.0                                  | 315.3                                      | 7.20           | PHC AL1066... |
| AL1088            | –                   | 31.75                    | 8 x 8        | 9.53                                   | 68.50                   | 25.60                                  | 4.00                         | 354.0                                  | 421.2                                      | 9.94           | PHC AL1088... |
| AL1222            | –                   | 38.10                    | 2 x 2        | 11.10                                  | 24.30                   | 30.50                                  | 4.80                         | 127.0                                  | 151.1                                      | 3.65           | PHC AL1222... |
| AL1244            | –                   | 38.10                    | 4 x 4        | 11.10                                  | 43.80                   | 30.50                                  | 4.80                         | 254.0                                  | 299.7                                      | 7.05           | PHC AL1244... |
| AL1266            | –                   | 38.10                    | 6 x 6        | 11.10                                  | 63.20                   | 30.50                                  | 4.80                         | 381.0                                  | 426.3                                      | 10.50          | PHC AL1266... |
| AL1288            | –                   | 38.10                    | 8 x 8        | 11.10                                  | 82.60                   | 30.50                                  | 4.80                         | 508.0                                  | 568.4                                      | 14.03          | PHC AL1288... |
| AL1444            | –                   | 44.45                    | 4 x 4        | 12.64                                  | 51.30                   | 36.40                                  | 5.60                         | 372.7                                  | 413.6                                      | 10.34          | PHC AL1444... |
| AL1466            | –                   | 44.45                    | 6 x 6        | 12.64                                  | 74.56                   | 36.40                                  | 5.60                         | 559.0                                  | 620.4                                      | 15.16          | PHC AL1466... |
| AL1644            | –                   | 50.80                    | 4 x 4        | 14.21                                  | 58.00                   | 41.60                                  | 6.40                         | 471.0                                  | 522.8                                      | 12.98          | PHC AL1644... |
| AL1666            | –                   | 50.80                    | 6 x 6        | 14.21                                  | 83.80                   | 41.60                                  | 6.40                         | 706.0                                  | 783.6                                      | 19.76          | PHC AL1666... |
| AL1688            | –                   | 50.80                    | 8 x 8        | 14.21                                  | 109.50                  | 41.60                                  | 6.40                         | 942.0                                  | 1 045.5                                    | 25.47          | PHC AL1688... |

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5m box of BL422 is PHC BL422X5MTR.  
One connecting link is contained per chain.

# Leaf chains

BS/ISO LL0822-LL4888

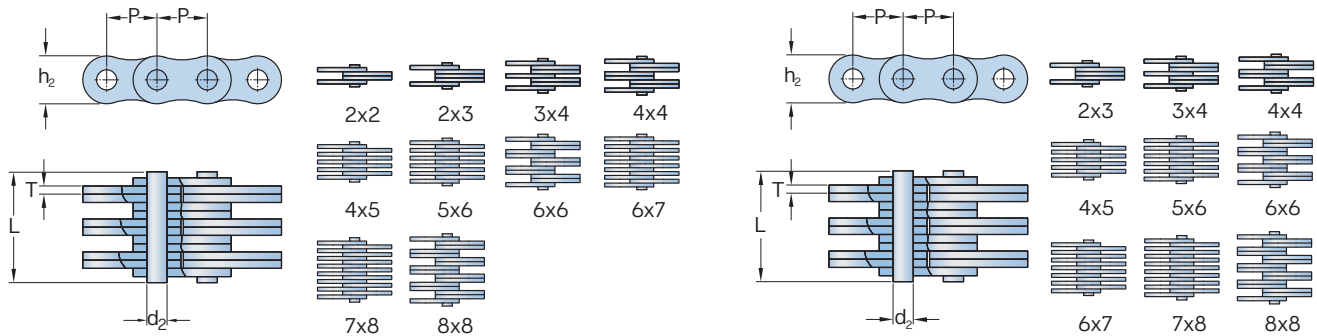


| BS/ISO<br>Chain number | Dimensions<br>Pitch<br>P | Plate<br>lacing | Pin<br>diameter<br>d <sub>2</sub><br>Max. | Pin length<br>L<br>Max. | Plate<br>height<br>h <sub>2</sub><br>Max. | Plate<br>thickness<br>T<br>Max. | Ultimate<br>tensile<br>strength<br>Q<br>Min. | Average<br>tensile<br>strength<br>Q <sub>0</sub> | Mass<br>per<br>meter | Designation   |
|------------------------|--------------------------|-----------------|-------------------------------------------|-------------------------|-------------------------------------------|---------------------------------|----------------------------------------------|--------------------------------------------------|----------------------|---------------|
| –                      | mm                       |                 |                                           |                         |                                           |                                 | kN                                           |                                                  | kg/m                 | –             |
| LL0822                 | 12.70                    | 2 x 2           | 4.45                                      | 8.9                     | 10.60                                     | 1.60                            | 18.2                                         | 20.4                                             | 0.42                 | PHC LL0822... |
| LL0844                 | 12.70                    | 4 x 4           | 4.45                                      | 15.6                    | 10.60                                     | 1.60                            | 36.4                                         | 40.7                                             | 0.84                 | PHC LL0844... |
| LL0866                 | 12.70                    | 6 x 6           | 4.45                                      | 22.0                    | 10.60                                     | 1.60                            | 54.6                                         | 60.0                                             | 1.24                 | PHC LL0866... |
| LL0888                 | 12.70                    | 8 x 8           | 4.45                                      | 28.5                    | 10.60                                     | 1.60                            | 72.8                                         | 80.0                                             | 1.64                 | PHC LL0888... |
| LL1022                 | 15.88                    | 2 x 2           | 5.08                                      | 9.2                     | 13.70                                     | 1.60                            | 22.7                                         | 25.5                                             | 0.54                 | PHC LL1022... |
| LL1044                 | 15.88                    | 4 x 4           | 5.08                                      | 15.8                    | 13.70                                     | 1.60                            | 45.4                                         | 51.0                                             | 1.06                 | PHC LL1044... |
| LL1066                 | 15.88                    | 6 x 6           | 5.08                                      | 22.1                    | 13.70                                     | 1.60                            | 68.1                                         | 76.3                                             | 1.57                 | PHC LL1066... |
| LL1088                 | 15.88                    | 8 x 8           | 5.08                                      | 28.8                    | 13.70                                     | 1.60                            | 90.8                                         | 101.9                                            | 2.10                 | PHC LL1088... |
| LL1222                 | 19.05                    | 2 x 2           | 5.72                                      | 10.4                    | 16.00                                     | 1.85                            | 29.5                                         | 33.2                                             | 0.73                 | PHC LL1222... |
| LL1244                 | 19.05                    | 4 x 4           | 5.72                                      | 17.9                    | 16.00                                     | 1.85                            | 59.0                                         | 66.4                                             | 1.44                 | PHC LL1244... |
| LL1266                 | 19.05                    | 6 x 6           | 5.72                                      | 25.4                    | 16.00                                     | 1.85                            | 88.5                                         | 99.7                                             | 2.15                 | PHC LL1266... |
| LL1288                 | 19.05                    | 8 x 8           | 5.72                                      | 32.9                    | 16.00                                     | 1.85                            | 118.0                                        | 132.9                                            | 2.84                 | PHC LL1288... |
| LL1622                 | 25.40                    | 2 x 2           | 8.28                                      | 17.2                    | 21.00                                     | 3.10                            | 58.0                                         | 66.7                                             | 1.52                 | PHC LL1622... |
| LL1644                 | 25.40                    | 4 x 4           | 8.28                                      | 29.6                    | 21.00                                     | 3.10                            | 116.0                                        | 140.0                                            | 2.90                 | PHC LL1644... |
| LL1666                 | 25.40                    | 6 x 6           | 8.28                                      | 42.4                    | 21.00                                     | 3.10                            | 174.0                                        | 208.8                                            | 4.30                 | PHC LL1666... |
| LL1688                 | 25.40                    | 8 x 8           | 8.28                                      | 54.9                    | 21.00                                     | 3.10                            | 232.0                                        | 278.0                                            | 5.71                 | PHC LL1688... |
| LL2022                 | 31.75                    | 2 x 2           | 10.19                                     | 20.1                    | 26.40                                     | 3.50                            | 95.0                                         | 109.2                                            | 2.33                 | PHC LL2022... |
| LL2044                 | 31.75                    | 4 x 4           | 10.19                                     | 33.8                    | 26.40                                     | 3.50                            | 190.0                                        | 218.5                                            | 4.40                 | PHC LL2044... |
| LL2066                 | 31.75                    | 6 x 6           | 10.19                                     | 50.1                    | 26.40                                     | 3.50                            | 285.0                                        | 324.6                                            | 6.79                 | PHC LL2066... |
| LL2088                 | 31.75                    | 8 x 8           | 10.19                                     | 64.0                    | 26.40                                     | 3.50                            | 380.0                                        | 435.1                                            | 8.90                 | PHC LL2088... |
| LL2422                 | 38.10                    | 2 x 2           | 14.63                                     | 28.4                    | 33.40                                     | 5.00                            | 170.0                                        | 195.5                                            | 4.47                 | PHC LL2422... |
| LL2444                 | 38.10                    | 4 x 4           | 14.63                                     | 46.3                    | 33.40                                     | 5.00                            | 340.0                                        | 380.8                                            | 8.22                 | PHC LL2444... |
| LL2466                 | 38.10                    | 6 x 6           | 14.63                                     | 66.4                    | 33.40                                     | 5.00                            | 510.0                                        | 571.2                                            | 12.22                | PHC LL2466... |
| LL2488                 | 38.10                    | 8 x 8           | 14.63                                     | 86.6                    | 33.40                                     | 5.00                            | 680.0                                        | 775.2                                            | 16.30                | PHC LL2488... |
| LL2822                 | 44.45                    | 2 x 2           | 15.90                                     | 32.2                    | 37.08                                     | 6.00                            | 200.0                                        | 224.0                                            | 5.10                 | PHC LL2822... |
| LL2844                 | 44.45                    | 4 x 4           | 15.90                                     | 56.4                    | 37.08                                     | 6.00                            | 400.0                                        | 448.0                                            | 9.90                 | PHC LL2844... |
| LL2866                 | 44.45                    | 6 x 6           | 15.90                                     | 80.8                    | 37.08                                     | 6.00                            | 600.0                                        | 672.0                                            | 14.60                | PHC LL2866... |
| LL2888                 | 44.45                    | 8 x 8           | 15.90                                     | 105.2                   | 37.08                                     | 6.00                            | 800.0                                        | 896.0                                            | 19.40                | PHC LL2888... |
| LL3222                 | 50.80                    | 2 x 2           | 17.81                                     | 34.8                    | 42.00                                     | 6.40                            | 260.0                                        | 291.2                                            | 6.20                 | PHC LL3222... |
| LL3244                 | 50.80                    | 4 x 4           | 17.81                                     | 60.6                    | 42.00                                     | 6.40                            | 520.0                                        | 582.4                                            | 12.30                | PHC LL3244... |
| LL3266                 | 50.80                    | 6 x 6           | 17.81                                     | 86.4                    | 42.00                                     | 6.40                            | 780.0                                        | 873.6                                            | 18.30                | PHC LL3266... |
| LL3288                 | 50.80                    | 8 x 8           | 17.81                                     | 112.2                   | 42.00                                     | 6.40                            | 1040.0                                       | 1176.0                                           | 24.00                | PHC LL3288... |
| LL4022                 | 63.50                    | 2 x 2           | 22.89                                     | 42.2                    | 52.76                                     | 8.00                            | 360.0                                        | 403.2                                            | 10.30                | PHC LL4022... |
| LL4044                 | 63.50                    | 4 x 4           | 22.89                                     | 74.4                    | 52.76                                     | 8.00                            | 780.0                                        | 873.6                                            | 20.00                | PHC LL4044... |
| LL4066                 | 63.50                    | 6 x 6           | 22.89                                     | 106.5                   | 52.76                                     | 8.00                            | 1080.0                                       | 1209.6                                           | 30.00                | PHC LL4066... |
| LL4088                 | 63.50                    | 8 x 8           | 22.89                                     | 140.0                   | 52.76                                     | 8.00                            | 1440.0                                       | 1747.2                                           | 39.10                | PHC LL4088... |
| LL4822                 | 76.20                    | 2 x 2           | 29.24                                     | 54.6                    | 63.88                                     | 10.00                           | 560.0                                        | 627.2                                            | 18.50                | PHC LL4822... |
| LL4844                 | 76.20                    | 4 x 4           | 29.24                                     | 92.6                    | 63.88                                     | 10.00                           | 1120.0                                       | 1554.4                                           | 35.70                | PHC LL4844... |
| LL4866                 | 76.20                    | 6 x 6           | 29.24                                     | 133.4                   | 63.88                                     | 10.00                           | 1680.0                                       | 1880.0                                           | 53.00                | PHC LL4866... |
| LL4888                 | 76.20                    | 8 x 8           | 29.24                                     | 174.2                   | 63.88                                     | 10.00                           | 2240.0                                       | 2508.8                                           | 70.40                | PHC LL4888... |

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5m box of LL0822 is PHC LL0822X5MTR.  
One connecting link is contained per chain.

## Leaf chains

FL, F19V, FLC | 12XX, 15XX, 19XX, 25XX



| Chain number | Dimensions |              | Pin diameter<br>$d_2$<br>Max. | Pin length<br>L<br>Max. | Plate height<br>$h_2$<br>Max. | Plate thickness<br>T<br>Max. | Chain length over 100 pitches +/- 0.25% | Ultimate tensile strength | Average tensile strength | Mass per meter | Designation    |
|--------------|------------|--------------|-------------------------------|-------------------------|-------------------------------|------------------------------|-----------------------------------------|---------------------------|--------------------------|----------------|----------------|
|              | Pitch<br>P | Plate lacing |                               |                         |                               |                              |                                         | Q<br>Min.                 | $Q_0$                    |                |                |
| –            | mm         |              |                               |                         |                               |                              |                                         | kN                        |                          | kg/m           | –              |
| FL644        | 5.94       | 4 x 4        | 1.85                          | 6.6                     | 4.7                           | 0.60                         | –                                       | 6.50                      | 7.8                      | 0.13           | PHC FL644...   |
| FL666        | 5.94       | 6 x 6        | 1.85                          | 9.3                     | 4.7                           | 0.60                         | –                                       | 9.75                      | 11.8                     | 0.20           | PHC FL666...   |
| FL688        | 5.94       | 8 x 8        | 1.85                          | 12.0                    | 4.7                           | 0.60                         | –                                       | 13.00                     | 15.6                     | 0.25           | PHC FL688...   |
| FL844        | 8.00       | 4 x 4        | 2.31                          | 7.9                     | 6.9                           | 0.73                         | –                                       | 10.00                     | 12.1                     | 0.25           | PHC FL844...   |
| FL944        | 9.53       | 4 x 4        | 3.28                          | 10.4                    | 8.7                           | 1.04                         | –                                       | 21.00                     | 24.7                     | 0.43           | PHC FL944...   |
| FL966        | 9.53       | 6 x 6        | 3.28                          | 14.9                    | 8.7                           | 1.00                         | –                                       | 31.00                     | 36.8                     | 0.65           | PHC FL966...   |
| F122         | 12.70      | 2 x 2        | 3.58                          | 7.0                     | 8.2                           | 1.00                         | –                                       | 11.43                     | 13.6                     | 0.19           | PHC F122...    |
| F1223        | 12.70      | 2 x 3        | 4.45                          | 12.8                    | 10.2                          | 2.03                         | –                                       | 20.00                     | 23.8                     | 0.61           | PHC F1223...   |
| FL1244       | 12.70      | 4 x 4        | 4.45                          | 16.7                    | 10.2                          | 1.70                         | –                                       | 44.00                     | 52.3                     | 0.83           | PHC FL1244...  |
| F19V-44      | 19.05      | 4 x 4        | 6.50                          | 22.4                    | 15.2                          | 2.42                         | –                                       | 71.00                     | 84.3                     | 1.73           | PHC F19V-44... |
| F19V-66      | 19.05      | 6 x 6        | 6.50                          | 32.3                    | 15.2                          | 2.42                         | –                                       | 106.00                    | 125.9                    | 2.57           | PHC F19V-66... |
| FLC534       | 15.88      | 3 x 4        | 5.08                          | 15.3                    | 12.7                          | 1.85                         | –                                       | 40.40                     | 44.4                     | 0.99           | PHC FLC534...  |
| FLC545       | 15.88      | 4 x 5        | 5.08                          | 19.2                    | 12.7                          | 1.85                         | –                                       | 54.30                     | 59.7                     | 1.27           | PHC FLC545...  |
| FLC556       | 15.88      | 5 x 6        | 5.08                          | 22.7                    | 12.7                          | 1.85                         | –                                       | 67.60                     | 74.3                     | 1.54           | PHC FLC556...  |
| FLC1056      | 31.75      | 5 x 6        | 9.53                          | 40.6                    | 25.4                          | 3.25                         | –                                       | 137.90                    | 151.0                    | 5.44           | PHC FLC1056... |
| FLC1067      | 31.75      | 6 x 7        | 9.53                          | 47.2                    | 25.4                          | 3.25                         | –                                       | 165.40                    | 181.9                    | 6.42           | PHC FLC1067... |
| FLC1078      | 31.75      | 7 x 8        | 9.53                          | 53.8                    | 25.4                          | 3.25                         | –                                       | 193.00                    | 212.0                    | 7.40           | PHC FLC1078... |
| 1234         | 12.70      | 3 x 4        | 4.45                          | 14.2                    | 10.6                          | 1.70                         | 1262                                    | 31.00                     | –                        | 0.75           | PHC 1234...    |
| 1256         | 12.70      | 5 x 6        | 4.45                          | 21.1                    | 10.6                          | 1.70                         | 1262                                    | 53.00                     | –                        | 1.17           | PHC 1256...    |
| 1288         | 12.70      | 8 x 8        | 4.45                          | 29.9                    | 10.6                          | 1.70                         | 1262                                    | 85.00                     | –                        | 1.70           | PHC 1288...    |
| 1523         | 15.88      | 2 x 3        | 5.08                          | 12.1                    | 12.7                          | 1.94                         | 1580                                    | 29.00                     | –                        | 0.75           | PHC 1523...    |
| 1534         | 15.88      | 3 x 4        | 5.08                          | 16.0                    | 12.7                          | 1.94                         | 1580                                    | 46.00                     | –                        | 1.04           | PHC 1534...    |
| 1544         | 15.88      | 4 x 4        | 5.08                          | 18.1                    | 12.7                          | 1.94                         | 1580                                    | 58.00                     | –                        | 1.18           | PHC 1544...    |
| 1545         | 15.88      | 4 x 5        | 5.08                          | 20.3                    | 12.7                          | 1.94                         | 1580                                    | 58.00                     | –                        | 1.33           | PHC 1545...    |
| 1556         | 15.88      | 5 x 6        | 5.08                          | 24.0                    | 12.7                          | 1.94                         | 1580                                    | 72.00                     | –                        | 1.63           | PHC 1556...    |
| 1566         | 15.88      | 6 x 6        | 5.08                          | 26.2                    | 12.7                          | 1.94                         | 1580                                    | 87.00                     | –                        | 1.77           | PHC 1566...    |
| 1567         | 15.88      | 6 x 7        | 5.08                          | 28.0                    | 12.7                          | 1.94                         | 1580                                    | 90.00                     | –                        | 1.91           | PHC 1567...    |
| 1578         | 15.88      | 7 x 8        | 5.08                          | 32.5                    | 12.7                          | 1.94                         | 1580                                    | 101.00                    | –                        | 2.20           | PHC 1578...    |
| 1588         | 15.88      | 8 x 8        | 5.08                          | 34.0                    | 12.7                          | 1.94                         | 1580                                    | 115.00                    | –                        | 2.34           | PHC 1588...    |
| 1944         | 19.05      | 4 x 4        | 5.72                          | 21.3                    | 15.0                          | 2.29                         | 1891                                    | 73.00                     | –                        | 1.58           | PHC 1944...    |
| 1966         | 19.05      | 6 x 6        | 5.72                          | 30.7                    | 15.0                          | 2.29                         | 1891                                    | 110.00                    | –                        | 2.37           | PHC 1966...    |
| 1988         | 19.05      | 8 x 8        | 5.72                          | 40.0                    | 15.0                          | 2.29                         | 1891                                    | 140.00                    | –                        | 3.13           | PHC 1988...    |
| 2523         | 25.40      | 2 x 3        | 8.28                          | 18.8                    | 20.2                          | 3.06                         | 2532                                    | 72.00                     | –                        | 1.83           | PHC 2523...    |
| 2534         | 25.40      | 3 x 4        | 8.28                          | 25.3                    | 20.2                          | 3.06                         | 2532                                    | 108.00                    | –                        | 2.55           | PHC 2534...    |
| 2545         | 25.40      | 4 x 5        | 8.28                          | 31.6                    | 20.2                          | 3.06                         | 2532                                    | 144.00                    | –                        | 3.26           | PHC 2545...    |
| 2556         | 25.40      | 5 x 6        | 8.28                          | 37.2                    | 20.2                          | 3.06                         | 2532                                    | 180.00                    | –                        | 3.96           | PHC 2556...    |
| 2567         | 25.40      | 6 x 7        | 8.28                          | 43.8                    | 20.2                          | 3.06                         | 2532                                    | 216.00                    | –                        | 4.68           | PHC 2567...    |
| 2578         | 25.40      | 7 x 8        | 8.28                          | 50.0                    | 20.2                          | 3.06                         | 2532                                    | 252.00                    | –                        | 5.39           | PHC 2578...    |
| 2588         | 25.40      | 8 x 8        | 8.28                          | 52.8                    | 20.2                          | 3.06                         | 2532                                    | 290.00                    | –                        | 5.77           | PHC 2588...    |

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 5m box of FL644 is PHC FL644X5MTR. One connecting link is contained per chain.



# Couplings



Grid couplings . . . . . 104



Gear couplings. . . . . 110



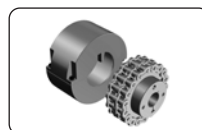
Disc couplings . . . . . 122



SKF Flex couplings . . . . . 132



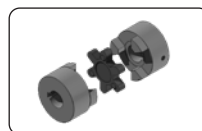
SKF Flex spacer coupling . . . . . 134



Chain couplings. . . . . 136



FRC couplings . . . . . 139



Jaw couplings . . . . . 141



Universal joints . . . . . 143



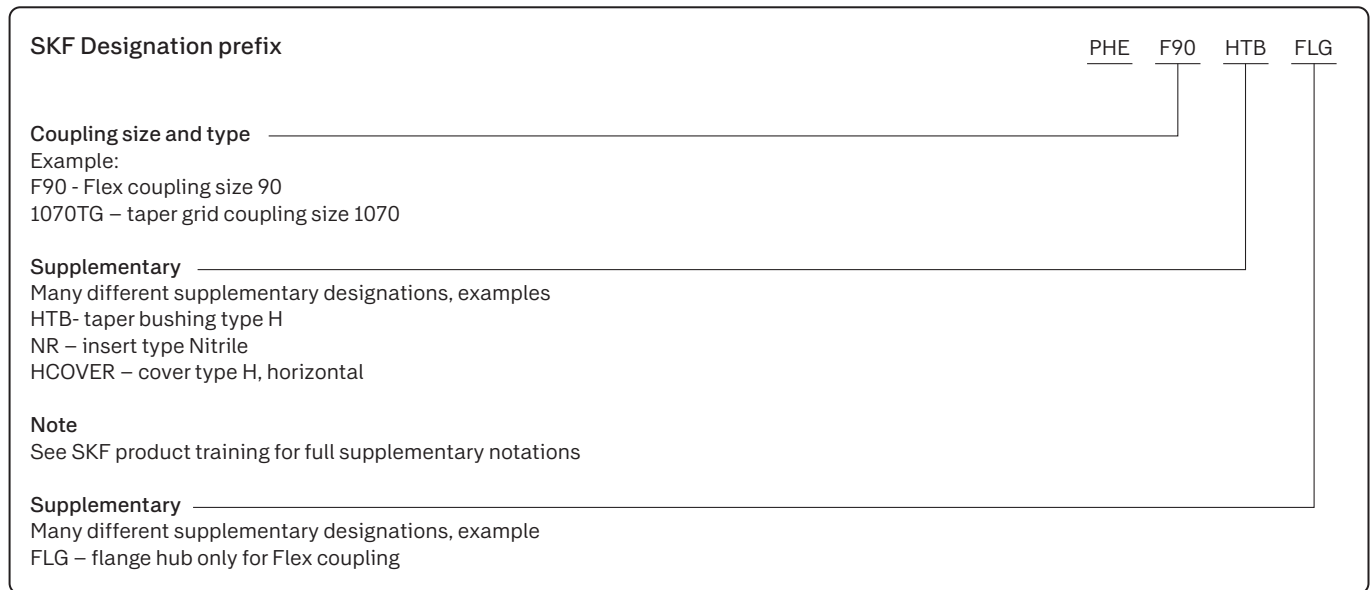


# SKF Couplings

SKF coupling range nomenclature has a defined prefix of PHE. The coupling range is covered by limited standards, AGMA is the main standard to cover interchangeability for couplings, and spacers are covered by ANSI or ISO for lengths.

# Couplings

The coupling range designation format has the following example to indicate set up.



## Couplings (PHE Product Group)

SKF Flex-, Chain-, FRC, Jaw couplings and Universal joints are manufactured according to established market standards and as complete couplings are interchangeable with other brands:

- Metric bore keyway machined according to BS 4231:Part 1 and DIN 6885;
- British imperial bore keyway machined according to BS 46:Part 1; and
- American imperial bore keyway machined according to ASME B17.1.

SKF Grid, Gear and Rigid couplings are manufactured according to established industrial standard, which is acceptable throughout the world. SKF Gear couplings are interchangeable, half to half, to industries standard using AGMA bolt pattern. Every coupling is protected by a specific treatment, which depends on the material or type of packaging: (1) phosphate coating, (2) blackening, (3) spray painting or (4) anti-corrosion oil.

### Main materials used in couplings

|                   |                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKF Flex coupling | Flange in grey cast iron HT250 or equivalent; tyre available in nitrile or chloroprene (FRAS); rubber and spacer in grey cast Iron HT250 or equivalent. |
| Chain coupling    | Flange in premium carbon steel no. 45 and cover available in aluminium and plastic.                                                                     |
| FRC coupling      | Flange in grey cast iron HT250 or equivalent and elements available in nitrile or chloroprene (FRAS) rubber.                                            |
| Jaw coupling      | Flange in grey cast iron HT250 or equivalent; spacer in aluminium and insert available in nitrile, urethane and Hytrel®.                                |
| Gear coupling     | Hub in steel SM45C equivalent to AISI 1045; grid member ain spring steel SW-C; horizontal split cover in aluminium.                                     |
| Gear coupling     | Sleeve and hub in steel SM45C equivalent to AISI 1045.                                                                                                  |
| Universal Joint   | Premium carbon steel.                                                                                                                                   |

## Grid couplings

In high output (kW) and high torque applications where vibration, shock loads and misalignment occur, SKF grid couplings are an excellent choice.

The unique design of the grid and hub teeth enable these couplings to accommodate movement and stresses from all three planes, thereby reducing vibration levels by as much as 30%.

The tapered grid element is manufactured from a high strength alloy steel. The grid, which is the primary wear component of the coupling, is designed for quick and easy replacement. Unlike other couplings, the hubs and other components are not disturbed. This makes realignment unnecessary and further reduces downtime and maintenance costs.

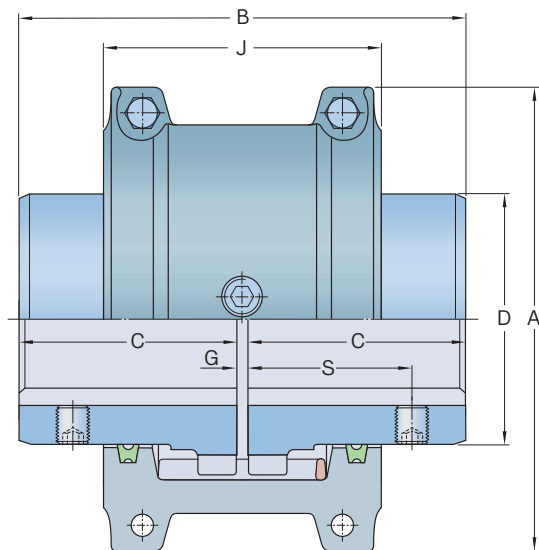
### Order data

| Coupling type<br>–     | Hubs             |     |    |                     | Cover | Grid             |     | Spacer hub set |     |                           |     |
|------------------------|------------------|-----|----|---------------------|-------|------------------|-----|----------------|-----|---------------------------|-----|
|                        | Solid bore       | Qty |    | Bored to size       | Qty   | –                | Qty | –              | Qty | (... = DBSE dimension)    | Qty |
| Horizontal split cover | PHE 1050TGRSB    | 2   | or | PHE 1050TG...MM     | 2     | PHE 1050TGHCOVER | 1   | PHE 1050TGGRID | 1   | –                         | –   |
| Vertical split cover   | PHE 1050TGRSB    | 2   | or | PHE 1050TG...MM     | 2     | PHE 1050TGVCOVER | 1   | PHE 1050TGGRID | 1   | –                         | –   |
| Full spacer            | PHE 1050TGS-SHRB | 2   | or | PHE 1050TGS-SH...MM | 2     | PHE 1050TGHCOVER | 1   | PHE 1050TGGRID | 1   | PHE 1050TGFS-SPACERX...MM | 1   |
| Half spacer            | PHE 1050TGRSB    | 1   | or | –                   | –     | PHE 1050TGHCOVER | 1   | PHE 1050TGGRID | 1   | PHE 1050TGHS-SPACERX...MM | 1   |
|                        | PHE 1050TGS-SHRB | 1   |    | PHE 1050TGS-SH...MM | 1     | –                | –   | –              | –   | –                         | –   |

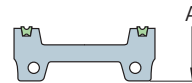
Each complete full or half spacer coupling consists of: 2 hubs, 1 grid, 1 cover and 1 spacer hub set.  
Each complete horizontal or vertical split cover coupling consists of: 2 hubs, 1 grid and 1 cover.  
For bored to size designations, add bore size. For example, PHE 1050TG25MM

## Grid couplings

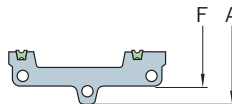
### Horizontal split cover



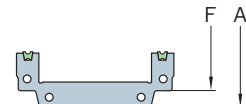
#### Cover profiles



Sizes 1020–1140



Sizes 1150–1200



Sizes 1210–1260

| Size     | Power per<br>100 r/min | Rated<br>torque | Speed | Bore<br>diameter |      | Dimensions |       |       |       |       |       |    |      | Gap       |        |      | Lubricant<br>mass | Coupling<br>mass with-<br>out bore |
|----------|------------------------|-----------------|-------|------------------|------|------------|-------|-------|-------|-------|-------|----|------|-----------|--------|------|-------------------|------------------------------------|
|          |                        |                 |       | Max.             | Min. | Max.       | A     | B     | C     | D     | J     | F  | S    | G<br>Min. | Normal | Max. |                   |                                    |
| –        | kW                     | Nm              | r/min | mm               | mm   | mm         | mm    | mm    | mm    | mm    | mm    | mm | mm   | mm        | mm     | mm   | kg                | kg                                 |
| 1020 TGH | 0.54                   | 52              | 4 500 | 13               | 28   | 101.6      | 98.2  | 47.5  | 39.7  | 66    | –     | –  | 39.1 | 1.5       | 3      | 4.5  | 0.027             | 1.9                                |
| 1030 TGH | 1.6                    | 149             | 4 500 | 13               | 25   | 110        | 98.2  | 47.5  | 49.2  | 68.3  | –     | –  | 39.1 | 1.5       | 3      | 4.5  | 0.04              | 2.6                                |
| 1040 TGH | 2.6                    | 249             | 4 500 | 13               | 43   | 117.5      | 104.6 | 50.8  | 57.2  | 70    | –     | –  | 40.1 | 1.5       | 3      | 4.5  | 0.054             | 3.4                                |
| 1050 TGH | 4.6                    | 435             | 4 500 | 13               | 50   | 138        | 123.6 | 60.3  | 66.7  | 79.5  | –     | –  | 44.7 | 1.5       | 3      | 4.5  | 0.068             | 5.4                                |
| 1060 TGH | 7.2                    | 684             | 4 500 | 20               | 56   | 150.5      | 130   | 63.5  | 76.2  | 92    | –     | –  | 52.3 | 1.5       | 3      | 4.5  | 0.086             | 7.3                                |
| 1070 TGH | 10.4                   | 994             | 4 125 | 20               | 67   | 161.9      | 155.4 | 76.2  | 87.3  | 95    | –     | –  | 53.8 | 1.5       | 3      | 4.5  | 0.113             | 10                                 |
| 1080 TGH | 21.5                   | 2 050           | 3 600 | 27               | 80   | 194        | 180.8 | 88.9  | 104.8 | 116   | –     | –  | 64.5 | 1.5       | 3      | 6    | 0.172             | 18                                 |
| 1090 TGH | 39                     | 3 730           | 3 600 | 27               | 95   | 213        | 199.8 | 98.4  | 123.8 | 122   | –     | –  | 71.6 | 1.5       | 3      | 6    | 0.254             | 25                                 |
| 1100 TGH | 65.7                   | 6 280           | 2 440 | 42               | 110  | 250        | 246.2 | 120.6 | 142.1 | 155.5 | –     | –  | –    | 1.5       | 5      | 9.5  | 0.426             | 42                                 |
| 1110 TGH | 97.6                   | 9 320           | 2 250 | 42               | 120  | 270        | 259   | 127   | 160.3 | 161.5 | –     | –  | –    | 1.5       | 5      | 9.5  | 0.508             | 54                                 |
| 1120 TGH | 143                    | 13 700          | 2 025 | 61               | 140  | 308        | 304.4 | 149.2 | 179.4 | 191.5 | –     | –  | –    | 1.5       | 6      | 13   | 0.735             | 81                                 |
| 1130 TGH | 208                    | 19 900          | 1 800 | 67               | 170  | 346        | 329.8 | 161.9 | 217.5 | 195   | –     | –  | –    | 1.5       | 6      | 13   | 0.907             | 121                                |
| 1140 TGH | 299                    | 28 600          | 1 650 | 67               | 200  | 384        | 374.4 | 184.2 | 254   | 201   | –     | –  | –    | 1.5       | 6      | 13   | 1.13              | 178                                |
| 1150 TGH | 416                    | 39 800          | 1 500 | 108              | 215  | 453.1      | 371.8 | 182.9 | 269.2 | 271.3 | 391.2 | –  | –    | 1.5       | 6      | 13   | 1.95              | 234                                |
| 1160 TGH | 586                    | 55 900          | 1 350 | 121              | 240  | 501.4      | 402.2 | 198.1 | 304.8 | 278.9 | 436.9 | –  | –    | 1.5       | 6      | 13   | 2.81              | 317                                |
| 1170 TGH | 781                    | 74 600          | 1 225 | 134              | 280  | 566.4      | 437.8 | 215.9 | 355.6 | 304.3 | 487.2 | –  | –    | 1.5       | 6      | 13   | 3.49              | 448                                |
| 1180 TGH | 1 080.0                | 103 000         | 1 100 | 153              | 300  | 629.9      | 483.6 | 238.8 | 393.7 | 321.1 | 554.7 | –  | –    | 1.5       | 6      | 13   | 3.76              | 619                                |
| 1190 TGH | 1 430.0                | 137 000         | 1 050 | 153              | 335  | 675.6      | 524.2 | 259.1 | 436.9 | 325.1 | 607.8 | –  | –    | 1.5       | 6      | 13   | 4.4               | 776                                |
| 1200 TGH | 1 950.0                | 186 000         | 900   | 178              | 360  | 756.9      | 564.8 | 279.4 | 497.8 | 355.6 | 660.4 | –  | –    | 1.5       | 6      | 13   | 5.62              | 1 057                              |
| 1210 TGH | 2 611.0                | 249 000         | 820   | 178              | 390  | 844.5      | 622.3 | 304.8 | 533.4 | 431.8 | 750.8 | –  | –    | 1.5       | 13     | 19   | 10.5              | 1 425                              |
| 1220 TGH | 3 523.0                | 336 000         | 730   | 203              | 420  | 920.7      | 662.9 | 325.1 | 571.5 | 490.2 | 822.2 | –  | –    | 1.5       | 13     | 1    | 16.1              | 1 785                              |
| 1230 TGH | 4 555.0                | 435 000         | 680   | 203              | 450  | 1 003.3    | 703.8 | 345.4 | 609.6 | 546.1 | –     | –  | –    | 3         | 13     | 22   | 24                | 2 265                              |
| 1240 TGH | 5 853.0                | 559 000         | 630   | 254              | 480  | 1 087.1    | 749.6 | 368.3 | 647.7 | 647.7 | –     | –  | –    | 3         | 13     | 22   | 33.8              | 2 950                              |
| 1250 TGH | 7 812.0                | 746 000         | 580   | – 1)             | – 1) | 1 181.1    | 815.5 | 401.3 | 711.2 | 698.5 | –     | –  | –    | 3         | 13     | 22   | 50.1              | 3 835                              |
| 1260 TGH | 9 759.0                | 932 000         | 540   | – 1)             | – 1) | 1 260.9    | 876.5 | 431.8 | 762   | 762   | –     | –  | –    | 3         | 13     | 25   | 67.2              | 4 680                              |

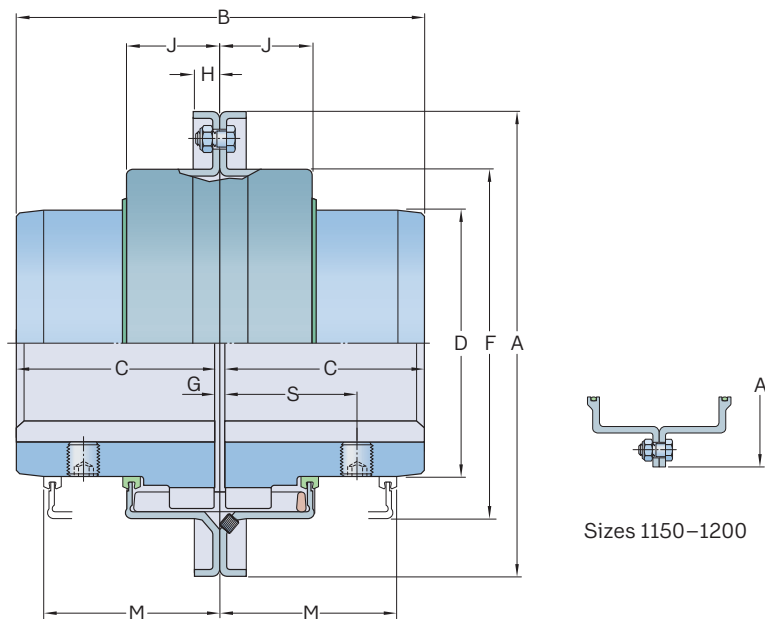
Horizontal split cover couplings are high performance, general purpose and easy to maintain.

The grid is designed to be replaced without disturbing any other component in the drive.

1) Contact SKF for bore dimensions of these coupling sizes

## Grid couplings

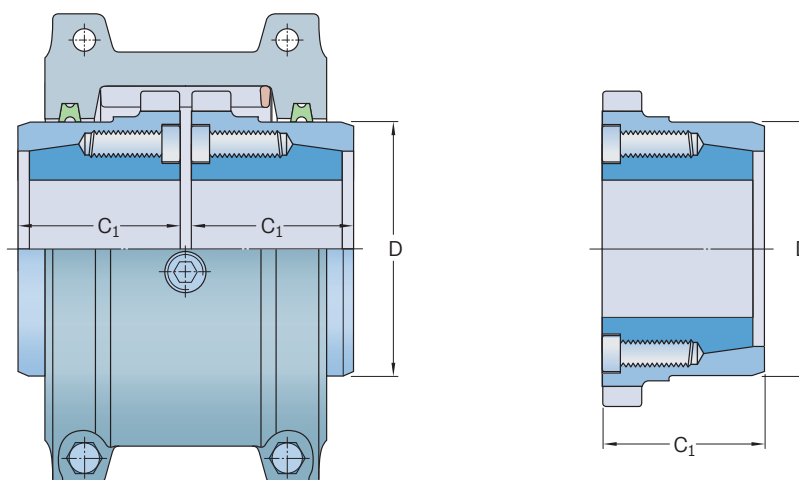
### Vertical split cover



| Size     | Power per<br>100 r/min | Rated<br>torque | Speed | Bore<br>diameter |      | Dimensions |       |       |       |       |      |       |       |      |     | Gap       |        |       | Lubricant<br>weight | Coupling<br>mass<br>without<br>bore |
|----------|------------------------|-----------------|-------|------------------|------|------------|-------|-------|-------|-------|------|-------|-------|------|-----|-----------|--------|-------|---------------------|-------------------------------------|
|          |                        |                 |       | Max.             | Min. | Max.       | A     | B     | C     | D     | F    | H     | J     | M    | S   | G<br>Min. | Normal | Max.  |                     |                                     |
| –        | kW                     | Nm              | r/min | mm               |      | mm         |       |       |       |       |      |       |       |      |     | mm        |        |       | kg                  |                                     |
| 1020 TGV | 0.54                   | 52              | 6 000 | 12               | 30   | 111.1      | 98.0  | 47.5  | 39.7  | 64.3  | 9.7  | 24.2  | 47.8  | 39.1 | 1.5 | 3         | 4.5    | 0.027 | 2.0                 |                                     |
| 1030 TGV | 1.60                   | 149             | 6 000 | 12               | 36   | 120.7      | 98.0  | 47.5  | 49.2  | 73.8  | 9.7  | 25.0  | 47.8  | 39.1 | 1.5 | 3         | 4.5    | 0.040 | 2.6                 |                                     |
| 1040 TGV | 2.60                   | 249             | 6 000 | 12               | 44   | 128.5      | 104.6 | 50.8  | 57.2  | 81.8  | 9.7  | 25.7  | 50.8  | 40.1 | 1.5 | 3         | 4.5    | 0.054 | 3.4                 |                                     |
| 1050 TGV | 4.60                   | 435             | 6 000 | 12               | 50   | 147.6      | 123.6 | 60.3  | 66.7  | 97.6  | 11.9 | 31.2  | 60.5  | 44.7 | 1.5 | 3         | 4.5    | 0.068 | 5.4                 |                                     |
| 1060 TGV | 7.20                   | 684             | 6 000 | 19               | 57   | 162.0      | 130.0 | 63.5  | 76.2  | 111.1 | 12.7 | 32.2  | 63.5  | 52.3 | 1.5 | 3         | 4.5    | 0.086 | 7.3                 |                                     |
| 1070 TGV | 10.40                  | 994             | 5 500 | 19               | 65   | 173.0      | 155.4 | 76.2  | 87.3  | 122.3 | 12.7 | 33.7  | 66.5  | 53.8 | 1.5 | 3         | 4.5    | 0.113 | 10.0                |                                     |
| 1080 TGV | 21.50                  | 2 050           | 4 750 | 27               | 79   | 200.0      | 180.8 | 88.9  | 104.8 | 149.2 | 12.7 | 44.2  | 88.9  | 64.5 | 1.5 | 3         | 6.0    | 0.172 | 18.0                |                                     |
| 1090 TGV | 39.00                  | 3 730           | 4 000 | 27               | 95   | 231.8      | 199.8 | 98.4  | 123.8 | 168.3 | 12.7 | 47.7  | 95.2  | 71.6 | 1.5 | 3         | 6.0    | 0.254 | 25.0                |                                     |
| 1100 TGV | 65.70                  | 6 280           | 3 250 | 41               | 107  | 266.7      | 245.7 | 120.6 | 142.1 | 198.0 | 15.7 | 60.0  | 120.7 | –    | 1.5 | 5         | 9.5    | 0.426 | 42.0                |                                     |
| 1110 TGV | 97.60                  | 9 320           | 3 000 | 41               | 117  | 285.8      | 258.5 | 127.0 | 160.3 | 216.3 | 16.0 | 64.2  | 124.0 | –    | 1.5 | 5         | 9.5    | 0.508 | 54.0                |                                     |
| 1120 TGV | 143.00                 | 13 700          | 2 700 | 60               | 136  | 319.0      | 304.4 | 149.2 | 179.4 | 245.5 | 17.5 | 73.4  | 142.7 | –    | 1.5 | 6         | 12.5   | 0.735 | 81.0                |                                     |
| 1130 TGV | 208.00                 | 19 900          | 2 400 | 66               | 165  | 377.8      | 329.8 | 161.9 | 217.5 | 283.8 | 20.6 | 75.1  | 146.0 | –    | 1.5 | 6         | 12.5   | 0.907 | 122.0               |                                     |
| 1140 TGV | 299.00                 | 28 600          | 2 200 | 66               | 184  | 416.0      | 371.6 | 184.2 | 254.0 | 321.9 | 20.6 | 78.2  | 155.4 | –    | 1.5 | 6         | 12.5   | 1.130 | 180.0               |                                     |
| 1150 TGV | 416.00                 | 39 800          | 2 000 | 108              | 203  | 476.3      | 371.8 | 182.9 | 269.2 | 374.4 | 19.3 | 106.9 | 203.2 | –    | 1.5 | 6         | 12.5   | 1.950 | 230.0               |                                     |
| 1160 TGV | 586.00                 | 55 900          | 1 750 | 120              | 228  | 533.4      | 402.2 | 198.1 | 304.8 | 423.9 | 30.0 | 114.3 | 215.9 | –    | 1.5 | 6         | 12.5   | 2.810 | 321.0               |                                     |
| 1170 TGV | 781.00                 | 74 600          | 1 600 | 133              | 279  | 584.2      | 437.8 | 215.9 | 355.6 | 474.7 | 30.0 | 119.4 | 226.1 | –    | 1.5 | 6         | 12.5   | 3.490 | 448.0               |                                     |
| 1180 TGV | 1 080.00               | 103 000         | 1 400 | 152              | 311  | 630.0      | 483.6 | 238.8 | 393.7 | –     | –    | 130.0 | 265.0 | –    | 1.5 | 6         | 12.5   | 3.760 | 591.0               |                                     |
| 1190 TGV | 1 430.00               | 137 000         | 1 300 | 152              | 339  | 685.0      | 524.2 | 259.1 | 436.9 | –     | –    | 135.0 | 275.0 | –    | 1.5 | 6         | 12.5   | 4.400 | 761.0               |                                     |
| 1200 TGV | 1 950.00               | 186 000         | 1 100 | 177              | 361  | 737.0      | 564.8 | 279.4 | 497.8 | –     | –    | 145.0 | 295.0 | –    | 1.5 | 6         | 12.5   | 5.620 | 1 021.0             |                                     |

Vertical split cover couplings are high performance, general purpose and easy to maintain.  
The grid is designed to be replaced without disturbing any other component in the drive. The vertical cover allows for higher running speeds.

## Grid couplings with taper bushing option

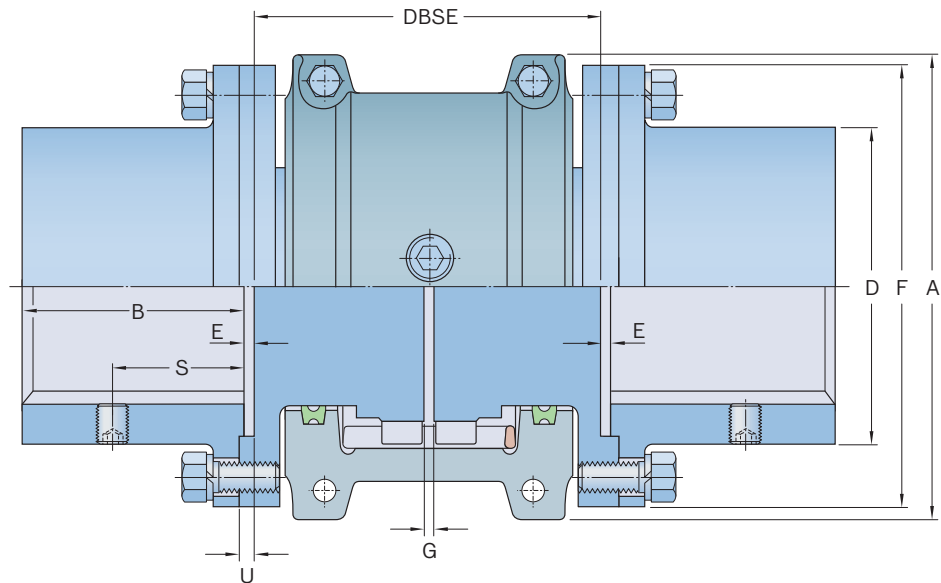


| Size  | Taper bushing designation | Bushing torque capacity <sup>1)</sup> | Bore diameter range <sup>1)</sup> |      | Reduced hub length | Hub length reduction C1 | Hub diameter D |
|-------|---------------------------|---------------------------------------|-----------------------------------|------|--------------------|-------------------------|----------------|
|       |                           |                                       | Min.                              | Max. |                    |                         |                |
|       |                           | Nm                                    | mm                                |      | mm                 | mm                      |                |
| 1 020 | Not available             | –                                     | –                                 | –    | –                  | –                       | –              |
| 1 030 | PHF TB1108                | 147                                   | 13                                | 25   | 45                 | 2.5                     | 49.2           |
| 1 040 | PHF TB 1108               | 147                                   | 13                                | 25   | 45                 | 5.8                     | 57.2           |
| 1 050 | PHF TB 1215               | 405                                   | 13                                | 32   | 50                 | 10.3                    | 66.7           |
| 1 060 | PHF TB 1615               | 485                                   | 13                                | 42   | 55                 | 8.5                     | 76.2           |
| 1 070 | PHF TB 2012               | 810                                   | 13                                | 50   | 55                 | 21.2                    | 87.3           |
| 1 080 | PHF TB 2525               | 1 275                                 | 25                                | 65   | 70                 | 18.9                    | 104.8          |
| 1 090 | PHF TB 3030               | 2 710                                 | 24                                | 80   | 83                 | 15.4                    | 123.8          |
| 1 100 | PHF TB 3030               | 2 710                                 | 24                                | 80   | 90                 | 30.6                    | 142.1          |
| 1 110 | PHF TB 3535               | 5 060                                 | 32                                | 91   | 95                 | 32                      | 160.3          |
| 1 120 | PHF TB 4040               | 8 727                                 | 37                                | 103  | 115                | 34.2                    | 179.4          |

<sup>1)</sup> Bore capacities are based on standard ISO keyway dimensions to ISO773 (DIN6885/1) unless otherwise stated.

<sup>2)</sup> The limitations in the couplings' torque capacity with when fitted with a taper bushing, is based on the maximum recommended torque for the relevant taper bushing with a standard keyway. For this reason it becomes impractical, and uneconomical, to offer the larger sizes with a taper bushing option. Different bushing type options, such as FX and QD, are also available for certain sizes. Please contact SKF.

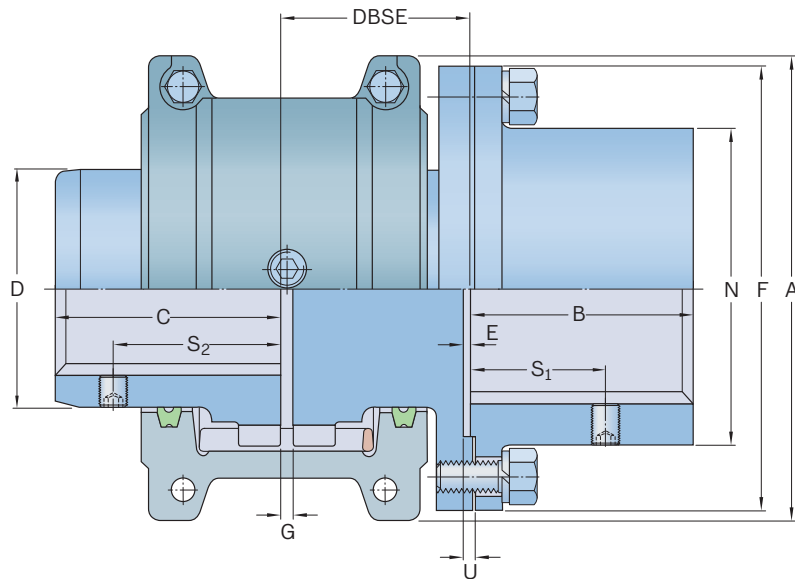
# Grid couplings Full spacer



| Size      | Power per<br>100 r/min | Rated<br>torque | Speed | Bore<br>diameter |      |       | Dimensions |     |             |      |     |     |      |     | Gap |           | Flange<br>bolts | Lubricant<br>weight | Coupling<br>weight<br>without bore<br>and min. BE |
|-----------|------------------------|-----------------|-------|------------------|------|-------|------------|-----|-------------|------|-----|-----|------|-----|-----|-----------|-----------------|---------------------|---------------------------------------------------|
|           |                        |                 |       | Max.             | Min. | Max.  | A          | B   | DBSE<br>Min | Max. | D   | E   | F    | S   | U   | G<br>Min. |                 |                     |                                                   |
| –         | kW                     | Nm              | r/min | mm               |      |       | mm         |     |             |      |     |     |      |     | mm  |           | kg              |                     |                                                   |
| 1020 TGFS | 0.54                   | 52              | 3 600 | 12               | 35   | 101.6 | 35         | 89  | 203         | 52   | 0.8 | 86  | 27.4 | 1.8 | 1.5 | 5.0       | 4               | 0.027               | 3.9                                               |
| 1030 TGFS | 1.60                   | 149             | 3 600 | 12               | 43   | 110.0 | 41         | 89  | 216         | 59   | 0.8 | 94  | 31.5 | 1.8 | 1.5 | 5.0       | 8               | 0.040               | 5.2                                               |
| 1040 TGFS | 2.60                   | 249             | 3 600 | 12               | 56   | 117.5 | 54         | 89  | 216         | 78   | 0.8 | 113 | 27.4 | 1.8 | 1.5 | 5.0       | 8               | 0.054               | 8.4                                               |
| 1050 TGFS | 4.60                   | 435             | 3 600 | 12               | 67   | 138.0 | 60         | 112 | 216         | 87   | 0.8 | 126 | 40.6 | 1.8 | 1.5 | 5.0       | 8               | 0.068               | 12.8                                              |
| 1060 TGFS | 7.20                   | 684             | 3 600 | 19               | 80   | 150.5 | 73         | 127 | 330         | 103  | 1.8 | 145 | 43.2 | 2.8 | 1.5 | 5.0       | 8               | 0.086               | 20.5                                              |
| 1070 TGFS | 10.40                  | 994             | 3 600 | 19               | 85   | 161.9 | 79         | 127 | 330         | 109  | 1.8 | 153 | 46.7 | 2.8 | 1.5 | 5.0       | 12              | 0.113               | 24.8                                              |
| 1080 TGFS | 21.50                  | 2 050           | 3 600 | 27               | 95   | 194.0 | 89         | 184 | 406         | 122  | 1.8 | 178 | 49.8 | 2.8 | 1.5 | 5.0       | 12              | 0.172               | 40.0                                              |
| 1090 TGFS | 39.00                  | 3 730           | 3 600 | 27               | 110  | 213.0 | 102        | 184 | 406         | 142  | 1.8 | 210 | 56.9 | 2.8 | 1.5 | 5.0       | 12              | 0.254               | 60.0                                              |
| 1100 TGFS | 65.70                  | 6 280           | 2 440 | 41               | 130  | 250.0 | 90         | 203 | 406         | 171  | 1.6 | 251 | –    | 3.2 | 1.5 | 6.5       | 12              | 0.426               | 90.2                                              |
| 1110 TGFS | 97.60                  | 9 320           | 2 250 | 41               | 150  | 270.0 | 104        | 210 | 406         | 196  | 1.6 | 277 | –    | 3.2 | 1.5 | 6.5       | 12              | 0.508               | 119.0                                             |
| 1120 TGFS | 143.00                 | 13 700          | 2 025 | 60               | 170  | 308.0 | 119        | 246 | 406         | 225  | 1.6 | 319 | –    | 4.0 | 1.5 | 9.5       | 12              | 0.735               | 178.0                                             |
| 1130 TGFS | 208.00                 | 19 900          | 1 800 | 66               | 190  | 346.0 | 135        | 257 | 406         | 238  | 1.6 | 346 | –    | 4.0 | 1.5 | 9.5       | 12              | 0.907               | 237.0                                             |
| 1140 TGFS | 299.00                 | 28 600          | 1 650 | 66               | 210  | 384.0 | 152        | 267 | 406         | 266  | 1.6 | 386 | –    | 4.0 | 1.5 | 9.5       | 12              | 1.130               | 327.0                                             |
| 1150 TGFS | 416.00                 | 39 800          | 1 500 | 108              | 270  | 453.1 | 173        | 345 | 371         | 334  | 5.1 | 425 | –    | –   | 1.5 | 9.5       | 14              | 1.950               | 462.0                                             |
| 1160 TGFS | 586.00                 | 55 900          | 1 350 | 120              | 290  | 501.4 | 186        | 356 | 406         | 366  | 6.6 | 457 | –    | –   | 1.5 | 9.5       | 14              | 2.810               | 566.0                                             |
| 1170 TGFS | 781.00                 | 74 600          | 1 225 | 133              | 340  | 566.4 | 220        | 384 | 445         | 425  | 8.4 | 527 | –    | –   | 1.5 | 9.5       | 16              | 3.490               | 856.0                                             |
| 1180 TGFS | 1 080.00               | 103 000         | 1 100 | 133              | 340  | 629.9 | 249        | 400 | 490         | 451  | 5.1 | 591 | –    | 8.1 | 1.5 | 9.5       | 16              | 3.760               | 1 135.0                                           |
| 1190 TGFS | 1 430.00               | 137 000         | 1 050 | 152              | 380  | 675.6 | 276        | 411 | 530         | 508  | 5.1 | 660 | –    | 8.1 | 1.5 | 9.5       | 18              | 4.400               | 1 525.0                                           |
| 1200 TGFS | 1 950.00               | 186 000         | 900   | 177              | 400  | 756.9 | 305        | 445 | 575         | 530  | 6.1 | 711 | –    | 9.1 | 1.5 | 9.5       | 18              | 5.620               | 1 910.0                                           |

Horizontal split cover full spacer couplings are designed to accommodate long distances between the shafts that are to be connected. This coupling gives you the added advantage of being able to drop out the entire centre section of the coupling for easy service. This coupling is an ideal choice for pumps.

## Grid couplings Half spacer



| Size      | Power per<br>100 r/min | Rated<br>torque | Speed | Bore diameter |      |      | Dimensions   |     |       |       |      |     |      |     |     |      | Gap               |               |        |     | Flange<br>bolts | Lubricant<br>weight | Coupling<br>weight with-<br>out bore<br>and min. BE |
|-----------|------------------------|-----------------|-------|---------------|------|------|--------------|-----|-------|-------|------|-----|------|-----|-----|------|-------------------|---------------|--------|-----|-----------------|---------------------|-----------------------------------------------------|
|           |                        |                 |       |               |      |      | Shaft<br>hub |     | A     | B     | C    | D   | DBSE | N   | E   | F    | Shaft<br>hub<br>S | T<br>hub<br>S | U      | G   |                 |                     |                                                     |
|           |                        |                 |       | Max.          | Min. | Max. | Max.         |     |       | Min   | Max. |     |      |     |     |      |                   | Min.          | Normal | Qty |                 |                     |                                                     |
| –         | kW                     | Nm              | r/min | mm            |      |      | mm           |     |       |       |      |     |      |     |     |      | mm                |               |        |     | kg              |                     |                                                     |
| 1020 TGHS | 0.54                   | 52              | 3 600 | 12            | 30   | 35   | 101.6        | 35  | 47.5  | 39.7  | 45   | 102 | 52   | 0.8 | 86  | 27.4 | 39.1              | 1.8           | 1.5    | 3   | 4               | 0.027               | 2.9                                                 |
| 1030 TGHS | 1.60                   | 149             | 3 600 | 12            | 36   | 43   | 110.0        | 41  | 47.5  | 49.2  | 45   | 109 | 59   | 0.8 | 94  | 31.5 | 39.1              | 1.8           | 1.5    | 3   | 8               | 0.040               | 3.9                                                 |
| 1040 TGHS | 2.60                   | 249             | 3 600 | 12            | 44   | 56   | 117.5        | 54  | 50.8  | 57.2  | 45   | 109 | 78   | 0.8 | 113 | 27.4 | 40.1              | 1.8           | 1.5    | 3   | 8               | 0.054               | 5.9                                                 |
| 1050 TGHS | 4.60                   | 435             | 3 600 | 12            | 50   | 67   | 138.0        | 60  | 60.3  | 66.7  | 57   | 109 | 87   | 0.8 | 126 | 40.6 | 44.7              | 1.8           | 1.5    | 3   | 8               | 0.068               | 9.1                                                 |
| 1060 TGHS | 7.20                   | 684             | 3 600 | 19            | 57   | 80   | 150.5        | 73  | 63.5  | 76.2  | 64   | 166 | 103  | 1.8 | 145 | 43.2 | 52.3              | 2.8           | 1.5    | 3   | 8               | 0.086               | 14.0                                                |
| 1070 TGHS | 10.40                  | 994             | 3 600 | 19            | 65   | 85   | 161.9        | 79  | 76.2  | 87.3  | 64   | 166 | 109  | 1.8 | 153 | 46.7 | 53.8              | 2.8           | 1.5    | 3   | 12              | 0.113               | 17.6                                                |
| 1080 TGHS | 21.50                  | 2 050           | 3 600 | 27            | 79   | 95   | 194.0        | 89  | 88.9  | 104.8 | 93   | 204 | 122  | 1.8 | 178 | 49.8 | 64.5              | 2.8           | 1.5    | 3   | 12              | 0.172               | 29.0                                                |
| 1090 TGHS | 39.00                  | 3 730           | 3 600 | 27            | 95   | 110  | 213.0        | 102 | 98.4  | 123.8 | 93   | 204 | 142  | 1.8 | 210 | 56.9 | 71.6              | 2.8           | 1.5    | 3   | 12              | 0.254               | 42.8                                                |
| 1100 TGHS | 65.70                  | 6 280           | 2 440 | 41            | 107  | 130  | 250.0        | 90  | 120.6 | 142.1 | 103  | 205 | 171  | 1.6 | 251 | –    | –                 | 3.2           | 1.5    | 5   | 12              | 0.426               | 66.0                                                |
| 1110 TGHS | 97.60                  | 9 320           | 2 250 | 41            | 117  | 150  | 270.0        | 104 | 127.0 | 160.3 | 106  | 205 | 196  | 1.6 | 277 | –    | –                 | 3.2           | 1.5    | 5   | 12              | 0.508               | 84.5                                                |
| 1120 TGHS | 143.00                 | 13 700          | 2 025 | 60            | 136  | 170  | 308.0        | 119 | 149.2 | 179.4 | 125  | 205 | 225  | 1.6 | 319 | –    | –                 | 4.0           | 1.5    | 6   | 12              | 0.735               | 129.0                                               |
| 1130 TGHS | 208.00                 | 19 900          | 1 800 | 66            | 165  | 190  | 346.0        | 135 | 161.9 | 217.5 | 130  | 205 | 238  | 1.6 | 346 | –    | –                 | 4.0           | 1.5    | 6   | 12              | 0.907               | 179.0                                               |
| 1140 TGHS | 299.00                 | 28 600          | 1 650 | 66            | 184  | 210  | 384.0        | 152 | 184.2 | 254.0 | 135  | 205 | 266  | 1.6 | 386 | –    | –                 | 4.0           | 1.5    | 6   | 12              | 1.130               | 252.0                                               |
| 1150 TGHS | 416.00                 | 39 800          | 1 500 | 108           | 203  | 270  | 453.1        | 173 | 182.9 | 269.2 | 175  | 187 | 334  | 5.1 | 425 | –    | –                 | –             | 1.5    | 6   | 14              | 1.950               | 348.0                                               |
| 1160 TGHS | 586.00                 | 55 900          | 1 350 | 120           | 228  | 290  | 501.4        | 186 | 198.1 | 304.8 | 180  | 205 | 366  | 6.6 | 457 | –    | –                 | –             | 1.5    | 6   | 14              | 2.810               | 441.0                                               |
| 1170 TGHS | 781.00                 | 74 600          | 1 225 | 133           | 279  | 340  | 566.4        | 220 | 215.9 | 355.6 | 194  | 224 | 425  | 8.4 | 527 | –    | –                 | –             | 1.5    | 6   | 16              | 3.490               | 652.0                                               |
| 1180 TGHS | 1 080.00               | 103 000         | 1 100 | 133           | 311  | 340  | 629.9        | 249 | 238.8 | 393.7 | 202  | 247 | 451  | 5.1 | 591 | –    | –                 | 8.1           | 1.5    | 6   | 16              | 3.760               | 877.0                                               |
| 1190 TGHS | 1 430.00               | 137 000         | 1 050 | 152           | 339  | 380  | 675.6        | 276 | 259.1 | 436.9 | 207  | 267 | 508  | 5.1 | 660 | –    | –                 | 8.1           | 1.5    | 6   | 18              | 4.400               | 1 150.0                                             |
| 1200 TGHS | 1 950.00               | 186 000         | 900   | 177           | 361  | 400  | 756.9        | 305 | 279.4 | 497.8 | 224  | 289 | 530  | 6.1 | 711 | –    | –                 | 9.1           | 1.5    | 6   | 18              | 5.620               | 1 484.0                                             |

Horizontal split cover half spacer couplings are designed to be used where there is no need to accommodate long distances between the shafts. It provides an economical alternative to the full spacer and is an ideal choice for pumps.

## Gear couplings

Very high-torque ratings, along with unparalleled bore capacities, give this coupling a great advantage over other types of couplings. SKF gear couplings are rated up to 555 000 Nm with a maximum bore of 495 mm. This is a heavy duty coupling with incredible design flexibility, making it an economical choice for many applications.

The unique design of the gear couplings tooth crowning dramatically reduces backlash and radial clearance. The hub bore capacities are the largest in the industry allowing for low cost and long service life.

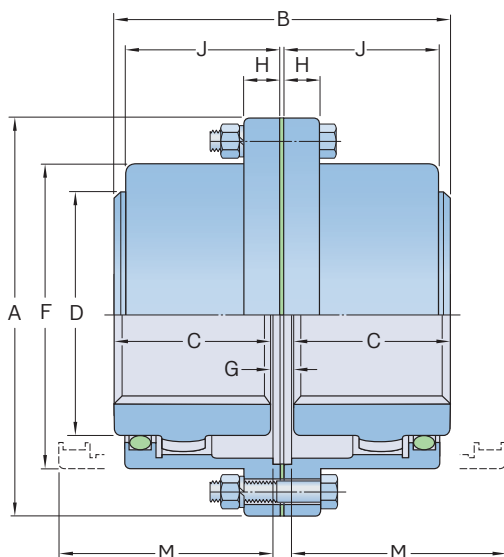
### Order data

| Coupling type<br>–                             | Hubs           | Qty | Cover<br>–     | Qty | Assembly kit<br>– | Qty | Spacer/floating shaft and kits<br>(... = DBSE dimension) | Qty |
|------------------------------------------------|----------------|-----|----------------|-----|-------------------|-----|----------------------------------------------------------|-----|
| Double engagement                              | PHE 50GCRSB    | 2   | PHE 50GCCOVER  | 2   | PHE 50GCKIT       | 1   | –                                                        | –   |
| Size 80 and above                              | PHE 80GCRSB    | 2   | PHE 80GCMCOVER | 1   | PHE 80GCKIT       | 1   | –                                                        | –   |
|                                                | –              | –   | PHE 80GFCOVER  | 1   | –                 | –   | –                                                        | –   |
| Single engagement                              | PHE 50GCSERSB  | 1   | PHE 50GCCOVER  | 1   | PHE 50GCKIT       | 1   | –                                                        | –   |
|                                                | PHE 50GCRSB    | 1   | –              | –   | –                 | –   | –                                                        | –   |
| Size 80 and above                              | PHE 80GCSERSB  | 1   | PHE 80GCMCOVER | 1   | PHE 80GCKIT       | 1   | –                                                        | –   |
|                                                | PHE 80GCRSB    | 1   | –              | –   | –                 | –   | –                                                        | –   |
| Double engagement spacer                       | PHE 50GCRSB    | 2   | PHE 50GCCOVER  | 2   | PHE 50GCKIT       | 2   | PHE 50GCSPACER...MM                                      | 1   |
| Double engagement slide type 1, 2, 3<br>Type 1 | PHE 50GCRSB    | 2   | PHE 50GCSCOVER | 2   | PHE 50GCKIT       | 1   | PHE 50GCCPLATE                                           | 1   |
| Type 2                                         | PHE 50GCST2RSB | 2   | PHE 50GCSCOVER | 2   | PHE 50GCKIT       | 1   | PHE 50GCCPLATE                                           | 1   |
| Type 3                                         | PHE 50GCRSB    | 2   | PHE 50GCCCOVER | 2   | PHE 50GCKIT       | 1   | PHE 50GCCPLATE                                           | 1   |
|                                                | –              | –   | –              | –   | –                 | –   | PHE 50GCT3DISC                                           | 2   |
| Single engagement slide type 1 and 2<br>Type 1 | PHE 50GCRSB    | 1   | PHE 50GCSCOVER | 1   | PHE 50GCKIT       | 1   | PHE 50GCCPLATE                                           | 1   |
|                                                | PHE 50GCSERSB  | 1   | –              | –   | –                 | –   | –                                                        | –   |
| Type 2                                         | PHE 50GCST2RSB | 1   | PHE 50GCSCOVER | 1   | PHE 50GCKIT       | 1   | PHE 50GCCPLATE                                           | 1   |
|                                                | PHE 50GCSERSB  | 1   | –              | –   | –                 | –   | –                                                        | –   |
| Single engagement floating shaft               | PHE 50GCFERSB  | 2   | PHE 50GCCOVER  | 2   | PHE 50GCKIT       | 2   | PHE 50GCFSHAFT .. MM                                     | 1   |
|                                                | PHE 50GCRSB    | 2   | –              | –   | –                 | –   | PHE 50GCFSEDISC                                          | 2   |
| Double engagement vertical                     | PHE 50GCVRSB   | 2   | PHE 50GCVCOVER | 2   | PHE 50GCKIT       | 1   | 50GCVCTRKIT                                              | 1   |
| Single engagement vertical                     | PHE 50GCVRSB   | 1   | PHE 50GCVCOVER | 1   | PHE 50GCKIT       | 1   | 50GCVCTRKIT                                              | –   |
|                                                | PHE 50GCSERSB  | 1   | –              | –   | –                 | –   | –                                                        | –   |
| Single engagement vertical floating            | PHE 50GCVRSB   | 1   | PHE 50GCVCOVER | 1   | PHE 50GCKIT       | 2   | 50GCVCTRKIT                                              | 2   |
|                                                | PHE 50GCFERSB  | 1   | –              | –   | –                 | –   | –                                                        | –   |
|                                                | PHE 50GCVRSB   | 1   | PHE 50GCVCOVER | 1   | PHE 50GCKIT       | 2   | PHE 50GCFSHAFT .. MM                                     | 1   |
|                                                | PHE 50GCSERSB  | 1   | –              | –   | –                 | –   | –                                                        | –   |
| Rigid flanged sleeve                           | PHE 50GCRRSB   | 2   | –              | –   | PHE 50GCRKIT      | 1   | –                                                        | –   |
| Size 80 and above                              | PHE 80GCRRSB   | 2   | –              | –   | PHE 80GCRKIT      | 1   | PHE 80GCRRING                                            | 1   |

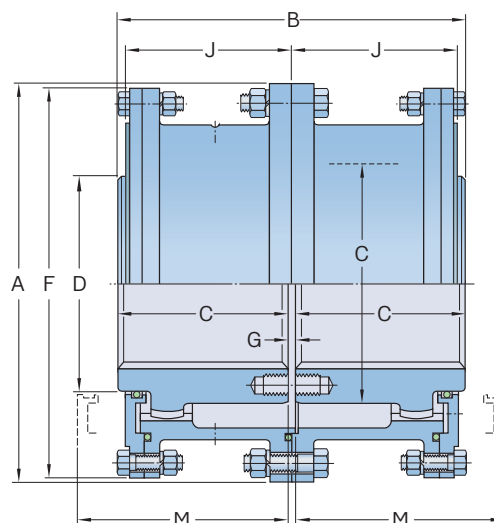
A complete gear coupling consists of: 2 hubs, 2 covers and 1 assembly kit.  
Coupling size 80 and above consists of: 2 hubs, 1 male cover, 1 female cover and 1 assembly kit.  
For bored to size designations, add bore size RSB. For example: PHE 50GCX500MM.  
For shrouded bolt covers, use cover number, e.g. PHE 50GCCOVER and PHE 50SGCKIT for the assembly kit.  
The assembly kit includes oil seals, gasket, bolts and lock-nuts.

## Gear couplings

### Double engagement



Size 10 to 70



Size 80 to 120

| Size   | Power per<br>100 r/min | Rated<br>torque | Speed | Bore<br>diameter |      | Dimensions |       |     |     |       |      |     |                 | Gap<br>G<br>Min. | Lubricant<br>mass | Coupling mass<br>without bore |
|--------|------------------------|-----------------|-------|------------------|------|------------|-------|-----|-----|-------|------|-----|-----------------|------------------|-------------------|-------------------------------|
|        |                        |                 |       | Max.             | Min. | A          | B     | C   | D   | F     | H    | J   | M <sup>1)</sup> |                  |                   |                               |
| –      | kW                     | Nm              | r/min | mm               | mm   | mm         | mm    | mm  | mm  | mm    | mm   | mm  | mm              | mm               | kg                | kg                            |
| 10 GC  | 11.9                   | 1139            | 8 000 | 13               | 50   | 116        | 89    | 43  | 69  | 84    | 14   | 39  | 51              | 3                | 0.04              | 5                             |
| 15 GC  | 24.6                   | 2 350           | 6 500 | 20               | 65   | 152        | 101   | 49  | 86  | 105   | 19   | 48  | 61              | 3                | 0.07              | 9                             |
| 20 GC  | 44.7                   | 4 270           | 5 600 | 26               | 78   | 178        | 127   | 62  | 105 | 126   | 19   | 59  | 77              | 3                | 0.12              | 16                            |
| 25 GC  | 78.3                   | 7 474           | 5 000 | 32               | 98   | 213        | 159   | 77  | 131 | 155   | 21.8 | 72  | 92              | 5                | 0.23              | 29                            |
| 30 GC  | 127                    | 12 100          | 4 400 | 38               | 111  | 240        | 187   | 91  | 152 | 180   | 21.8 | 84  | 107             | 5                | 0.36              | 43                            |
| 35 GC  | 194                    | 18 500          | 3 900 | 51               | 134  | 279        | 218   | 106 | 178 | 211   | 28.4 | 98  | 130             | 6                | 0.54              | 68                            |
| 40 GC  | 321                    | 30 609          | 3 600 | 64               | 160  | 318        | 248   | 121 | 210 | 245   | 28.4 | 111 | 145             | 6                | 0.91              | 97                            |
| 45 GC  | 440                    | 42 000          | 3 200 | 77               | 183  | 346        | 278   | 135 | 235 | 274   | 28.4 | 123 | 166             | 8                | 1.04              | 136                           |
| 50 GC  | 593                    | 56 600          | 2 900 | 89               | 200  | 389        | 314   | 153 | 254 | 306   | 38.1 | 141 | 183             | 8                | 1.77              | 190                           |
| 55 GC  | 775                    | 74 030          | 2 650 | 102              | 220  | 425        | 344   | 168 | 279 | 334   | 38.1 | 158 | 204             | 8                | 2.22              | 249                           |
| 60 GC  | 947                    | 90 400          | 2 450 | 115              | 244  | 457        | 384   | 188 | 305 | 366   | 25.4 | 169 | 229             | 8                | 3.18              | 306                           |
| 70 GC  | 1 420                  | 135 000         | 2 150 | 127              | 289  | 527        | 452   | 221 | 343 | 425   | 28.4 | 196 | 267             | 10               | 4.35              | 485                           |
| 80 GC  | 1 780                  | 170 000         | 1 750 | 102              | 266  | 591        | 508   | 249 | 356 | 572   | –    | 243 | 300             | 10               | 9.53              | 703                           |
| 90 GC  | 2 360                  | 226 000         | 1 550 | 115              | 290  | 660        | 565   | 276 | 394 | 641   | –    | 265 | 327             | 13               | 12.25             | 984                           |
| 100 GC | 3 250                  | 310 000         | 1 450 | 127              | 320  | 711        | 623   | 305 | 445 | 699   | –    | 294 | 356             | 13               | 14.97             | 1 302                         |
| 110 GC | 4 320                  | 413 000         | 1 330 | 140              | 373  | 775        | 679   | 333 | 495 | 749   | –    | 322 | 384             | 13               | 17.69             | 1 678                         |
| 120 GC | 5 810                  | 555 000         | 1 200 | 153              | 400  | 838        | 719   | 353 | 546 | 826   | –    | 341 | 403             | 13               | 20.87             | 2 114                         |
| 130 GC | 7 528                  | 719 000         | 1 075 | 165              | 440  | 911        | 762   | 371 | 584 | 886   | –    | 367 | 435             | 19               | 32.65             | 2 595                         |
| 140 GC | 9 539                  | 911 000         | 920   | 175              | 460  | 966        | 806   | 393 | 635 | 940   | –    | 378 | 457             | 19               | 33.1              | 3 107                         |
| 150 GC | 11 518                 | 1 100 000       | 770   | 190              | 490  | 1 029      | 857   | 419 | 686 | 1 003 | –    | 408 | 483             | 19               | 40.81             | 3 765                         |
| 160 GC | 13 715                 | 1 310 000       | 650   | 250              | 525  | 1 111      | 908   | 441 | 736 | 1 086 | –    | 419 | 502             | 25               | 43.08             | 4 708                         |
| 180 GC | 17 382                 | 1 660 000       | 480   | 285              | 600  | 1 219      | 939   | 457 | 838 | 1 194 | –    | 435 | 521             | 25               | 49.9              | 6 260                         |
| 200 GC | 22 406                 | 2 140 000       | 370   | 315              | 660  | 1 359      | 1 099 | 537 | 927 | 1 306 | –    | 514 | 635             | 25               | 68                | 8 582                         |

<sup>1)</sup> Minimum clearance required for aligning coupling.

Double engagement couplings are designed for most horizontal, close coupled applications. This coupling accommodates both offset and angular misalignment, as well as end float.

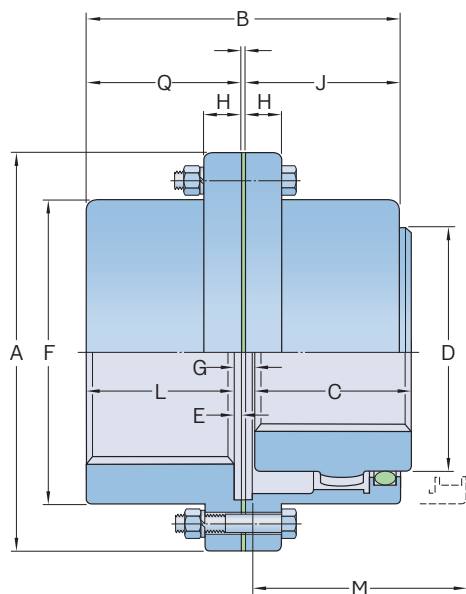
Applications include: fans, pumps, steel and paper mill drives, cranes and conveyors.

Bore tolerances will be K7 and key width (b) will be P9 (close fit) for coupling sizes 130 and bigger unless stated otherwise.

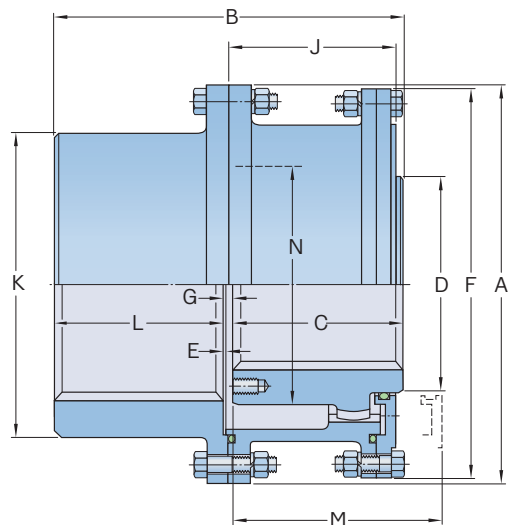
Weights are given, in kg, with minimum listed bore, excluding lubricant.

## Gear couplings

### Single engagement



Size 10 to 70



Size 80 to 120

| Size     | Power per<br>100 r/min | Rated<br>torque | Speed | Bore diameter |        | Dimensions |     |       |     |     |     |     |      |                 |       |                 |     |      |      | Gap   | Lubricant<br>mass | Coupling<br>mass<br>without<br>bore |  |
|----------|------------------------|-----------------|-------|---------------|--------|------------|-----|-------|-----|-----|-----|-----|------|-----------------|-------|-----------------|-----|------|------|-------|-------------------|-------------------------------------|--|
|          |                        |                 |       | Flex<br>hub   | Se hub | A          | B   | C     | D   | E   | F   | H   | J    | K <sup>1)</sup> | L     | M <sup>2)</sup> | Q   |      |      |       |                   |                                     |  |
|          |                        |                 |       | Max.          | Max.   |            |     |       |     |     |     |     |      |                 |       |                 |     | Max. | Min. |       |                   |                                     |  |
| –        | kW                     | Nm              | r/min | mm            |        |            | mm  |       |     |     |     |     |      |                 |       |                 |     |      |      |       | mm                | kg                                  |  |
| 10 GCSE  | 11.9                   | 1 139           | 8 000 | 48            | 60     | 13         | 116 | 87.0  | 43  | 69  | 2.5 | 84  | 14.0 | 39              | –     | 40              | 51  | 42   | 4    | 0.02  | 4.5               |                                     |  |
| 15 GCSE  | 24.6                   | 2 350           | 6 500 | 60            | 75     | 19         | 152 | 99.0  | 49  | 86  | 2.5 | 105 | 19.0 | 48              | –     | 46              | 61  | 49   | 4    | 0.04  | 9.1               |                                     |  |
| 20 GCSE  | 44.7                   | 4 270           | 5 600 | 73            | 92     | 25         | 178 | 124.0 | 62  | 105 | 2.5 | 126 | 19.0 | 59              | –     | 58              | 77  | 61   | 4    | 0.07  | 15.9              |                                     |  |
| 25 GCSE  | 78.3                   | 7 474           | 5 000 | 92            | 111    | 32         | 213 | 156.0 | 77  | 131 | 2.5 | 155 | 21.8 | 72              | –     | 74              | 92  | 76   | 5    | 0.12  | 27.2              |                                     |  |
| 30 GCSE  | 127.0                  | 12 100          | 4 400 | 105           | 130    | 38         | 240 | 184.0 | 91  | 152 | 2.5 | 180 | 21.8 | 84              | –     | 88              | 107 | 90   | 5    | 0.18  | 43.1              |                                     |  |
| 35 GCSE  | 194.0                  | 18 500          | 3 900 | 124           | 149    | 51         | 279 | 213.5 | 106 | 178 | 2.5 | 211 | 28.4 | 98              | –     | 102             | 130 | 105  | 6    | 0.27  | 61.2              |                                     |  |
| 40 GCSE  | 321.0                  | 30 609          | 3 600 | 146           | 171    | 64         | 318 | 243.0 | 121 | 210 | 4.1 | 245 | 28.4 | 111             | –     | 115             | 145 | 119  | 7    | 0.47  | 99.8              |                                     |  |
| 45 GCSE  | 440.0                  | 42 000          | 3 200 | 165           | 194    | 76         | 346 | 274.0 | 135 | 235 | 4.1 | 274 | 28.4 | 123             | –     | 131             | 166 | 135  | 8    | 0.57  | 136.1             |                                     |  |
| 50 GCSE  | 593.0                  | 56 600          | 2 900 | 178           | 222    | 89         | 389 | 309.0 | 153 | 254 | 5.1 | 306 | 38.1 | 141             | –     | 147             | 183 | 152  | 9    | 0.91  | 195.0             |                                     |  |
| 55 GCSE  | 775.0                  | 74 030          | 2 650 | 197           | 248    | 102        | 425 | 350.0 | 168 | 279 | 5.1 | 334 | 38.1 | 158             | –     | 173             | 204 | 178  | 9    | 1.13  | 263.1             |                                     |  |
| 60 GCSE  | 947.0                  | 90 400          | 2 450 | 222           | 267    | 114        | 457 | 384.0 | 188 | 305 | 6.6 | 366 | 25.4 | 169             | –     | 186             | 229 | 193  | 10   | 1.70  | 324.3             |                                     |  |
| 70 GCSE  | 1 420.0                | 135 000         | 2 150 | 254           | 305    | 127        | 527 | 454.0 | 221 | 343 | 8.4 | 425 | 28.4 | 196             | –     | 220             | 267 | 229  | 13   | 2.27  | 508.0             |                                     |  |
| 80 GCSE  | 1 780.0                | 170 000         | 1 750 | 279           | 343    | 102        | 591 | 511.0 | 249 | 356 | –   | 572 | –    | 243             | 450.8 | 249             | 300 | –    | 13   | 4.99  | 698.5             |                                     |  |
| 90 GCSE  | 2 360.0                | 226 000         | 1 550 | 305           | 381    | 114        | 660 | 566.0 | 276 | 394 | –   | 641 | –    | 265             | 508.0 | 276             | 327 | –    | 14   | 6.35  | 984.3             |                                     |  |
| 100 GCSE | 3 250.0                | 310 000         | 1 450 | 343           | 406    | 127        | 711 | 626.0 | 305 | 445 | –   | 699 | –    | 294             | 530.4 | 305             | 356 | –    | 16   | 7.71  | 1 251.9           |                                     |  |
| 110 GCSE | 4 320.0                | 413 000         | 1 330 | 387           | 445    | 140        | 775 | 682.0 | 333 | 495 | –   | 749 | –    | 322             | 584.2 | 333             | 384 | –    | 16   | 9.07  | 1 637.5           |                                     |  |
| 120 GCSE | 5 810.0                | 555 000         | 1 200 | 425           | 495    | 152        | 838 | 722.0 | 353 | 546 | –   | 826 | –    | 341             | 647.7 | 353             | 403 | –    | 16   | 10.89 | 2 077.5           |                                     |  |

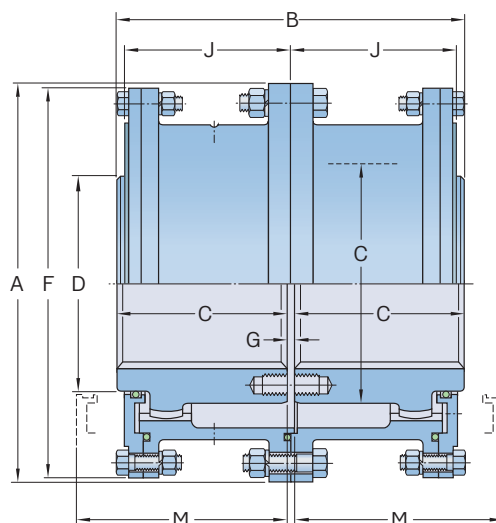
<sup>1)</sup> May be an "as cast" version depending on coupling size and bore.

<sup>2)</sup> Minimum clearance required for aligning coupling.

These single engagement couplings are not designed for floating shaft applications and only accommodate angular misalignment.

## Gear couplings

Double engagement, heat treated and alloy steel series



Size 80 to 160

| Size   | Rated torque <sup>1)</sup> |                                       | Speed | Bore diameter <sup>2)</sup> |      | Coupling weight without bore |
|--------|----------------------------|---------------------------------------|-------|-----------------------------|------|------------------------------|
|        | Standard<br>Material: C45  | Heat treated (HT)<br>Material: C45 HT | Max.  | Min.                        | Max. |                              |
| –      | kNm                        |                                       | r/min | mm                          |      | kg                           |
| 80 GC  | 170                        | 203.8                                 | 1750  | 101                         | 266  | 703                          |
| 90 GC  | 226                        | 271.2                                 | 1550  | 114                         | 290  | 984                          |
| 100 GC | 310                        | 372                                   | 1450  | 127                         | 320  | 1302                         |
| 110 GC | 413                        | 495.6                                 | 1330  | 139                         | 373  | 1678                         |
| 120 GC | 555                        | 666                                   | 1200  | 152                         | 400  | 2114                         |
| 130 GC | 719                        | 862.1                                 | 1075  | 165                         | 440  | 2595                         |
| 140 GC | 911                        | 1092.5                                | 920   | 175                         | 460  | 3107                         |
| 150 GC | 1100                       | 1320                                  | 770   | 190                         | 490  | 3765                         |
| 160 GC | 1310                       | 1570                                  | 650   | 250                         | 525  | 4708                         |
| 180 GC | 1660                       | 1985                                  | 480   | 285                         | 600  | 6260                         |
| 200 GC | 2140                       | 2565                                  | 370   | 315                         | 660  | 8562                         |

<sup>1)</sup> The figures for the HT and XP are indicative only.

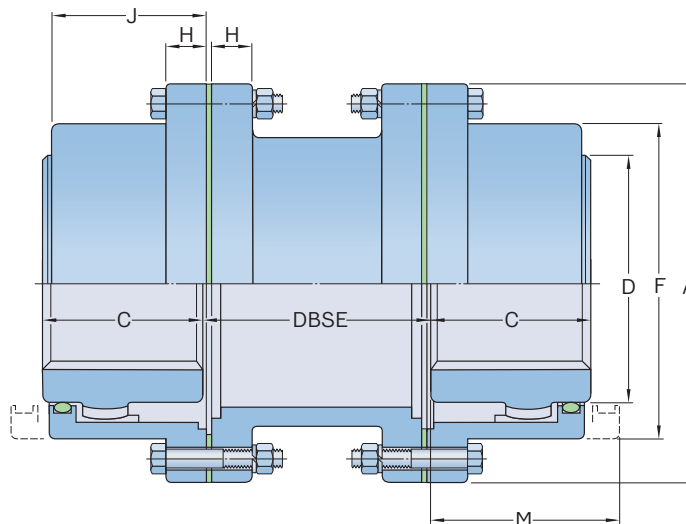
Applications for the HT and XP series couplings should be referred to SKF PTP for confirmation of both capacity and suitability for the specific application.

<sup>2)</sup> Bore tolerances will be K7 unless stated otherwise. Key width (b) tolerance will be P9 (close fit). The maximum bores listed are for standard keyways to DIN6883/1 (up to and including 500 mm only). Above 500 mm bore, keyway dimensions MUST be specified as not covered by international standards. Shallow keys, when required, will be to DIN6885/3.

<sup>3)</sup> Weights are given in kg, with the minimum listed bore, and excluding lubricant.

## Gear couplings

### Double engagement · Spacer



| Size   | Power per<br>100 r/min | Rated<br>torque | Speed | DBSE |      | Bore<br>diameter |      | Dimensions |     |     |     |      |     |                  | Lubricant<br>mass | Coupling mass<br>without bore<br>and min. bore |    |  |
|--------|------------------------|-----------------|-------|------|------|------------------|------|------------|-----|-----|-----|------|-----|------------------|-------------------|------------------------------------------------|----|--|
|        |                        |                 | Max.  | Min. | Max. | Min.             | Max. | A          | C   | D   | F   | H    | J   | M <sup>(1)</sup> |                   |                                                |    |  |
| –      | kW                     | Nm              | r/min | mm   |      |                  |      |            |     |     |     |      |     |                  |                   |                                                | kg |  |
| 10 GCS | 11.9                   | 1 139           | 7 000 | 83   | 311  | 13               | 48   | 116        | 43  | 69  | 84  | 14.0 | 39  | 51               | 0.04              | 6.8                                            |    |  |
| 15 GCS | 24.6                   | 2 350           | 5 500 | 83   | 311  | 19               | 60   | 152        | 49  | 86  | 105 | 19.0 | 48  | 61               | 0.07              | 13.6                                           |    |  |
| 20 GCS | 44.7                   | 4 270           | 4 600 | 83   | 311  | 25               | 73   | 178        | 62  | 105 | 126 | 19.0 | 59  | 77               | 0.12              | 20.4                                           |    |  |
| 25 GCS | 78.3                   | 7 474           | 4 000 | 95   | 311  | 32               | 92   | 213        | 77  | 131 | 155 | 21.8 | 72  | 92               | 0.23              | 38.6                                           |    |  |
| 30 GCS | 127.0                  | 12 100          | 3 600 | 95   | 311  | 38               | 105  | 240        | 91  | 152 | 180 | 21.8 | 84  | 107              | 0.36              | 54.4                                           |    |  |
| 35 GCS | 194.0                  | 18 500          | 3 100 | 120  | 311  | 51               | 124  | 279        | 106 | 178 | 211 | 28.4 | 98  | 130              | 0.54              | 88.5                                           |    |  |
| 40 GCS | 321.0                  | 30 609          | 2 800 | 120  | 311  | 64               | 146  | 318        | 121 | 210 | 245 | 28.4 | 111 | 145              | 0.91              | 122.5                                          |    |  |
| 45 GCS | 440.0                  | 42 000          | 2 600 | 120  | 311  | 76               | 165  | 346        | 135 | 235 | 274 | 28.4 | 123 | 166              | 1.04              | 165.6                                          |    |  |
| 50 GCS | 593.0                  | 56 600          | 2 400 | 146  | 311  | 89               | 178  | 389        | 153 | 254 | 306 | 38.1 | 141 | 183              | 1.77              | 238.1                                          |    |  |
| 55 GCS | 775.0                  | 74 030          | 2 200 | 146  | 311  | 102              | 197  | 425        | 168 | 279 | 334 | 38.1 | 158 | 204              | 2.22              | 306.2                                          |    |  |
| 60 GCS | 947.0                  | 90 400          | 2 100 | 146  | 311  | 114              | 222  | 457        | 188 | 305 | 366 | 25.4 | 169 | 229              | 3.18              | 358.3                                          |    |  |
| 70 GCS | 1 420.0                | 135 000         | 1 800 | 146  | 311  | 127              | 254  | 527        | 221 | 343 | 425 | 28.4 | 196 | 267              | 4.35              | 562.5                                          |    |  |

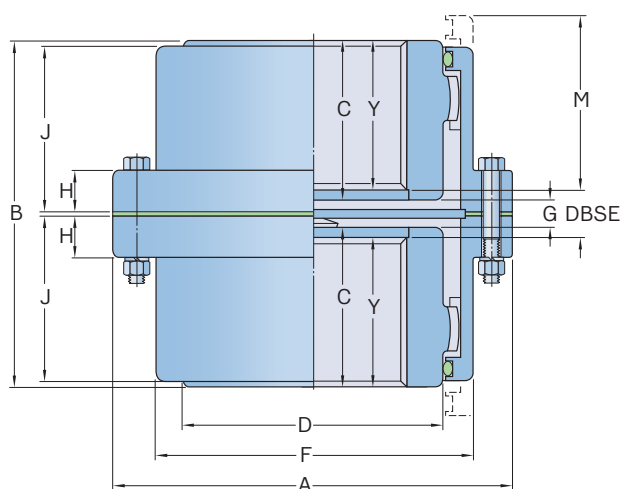
<sup>1)</sup> Minimum clearance required for aligning coupling.

Double engagement spacer couplings are designed for pump and compressor applications.

The coupling consists of a standard double engagement coupling and a spacer tube which is available in various lengths.

## Gear couplings

### Double engagement · Vertical

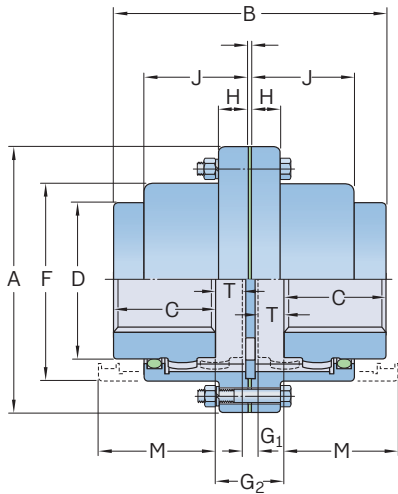


| Size   | Power per<br>100 r/min | Rated<br>torque | Speed | Bore diameter |      | Dimensions |     |     |     |     |      |     |                 |       |      | Gap       |      | Lubricant<br>mass | Coupling<br>mass<br>without bore |
|--------|------------------------|-----------------|-------|---------------|------|------------|-----|-----|-----|-----|------|-----|-----------------|-------|------|-----------|------|-------------------|----------------------------------|
|        |                        |                 | Max.  | Max.          | Max. | A          | B   | C   | D   | F   | H    | J   | M <sup>1)</sup> | Y     | DBSE | G<br>Min. |      |                   |                                  |
| –      | kW                     | Nm              | r/min | mm            |      | mm         |     |     |     |     |      |     |                 |       |      | mm        | kg   |                   |                                  |
| 10 GCV | 11.9                   | 1 139           | 8 000 | 13            | 48   | 116        | 89  | 43  | 69  | 84  | 14.0 | 39  | 51              | 32.5  | 24   | 11        | 0.04 | 5                 |                                  |
| 15 GCV | 24.6                   | 2 350           | 6 500 | 19            | 60   | 152        | 101 | 49  | 86  | 105 | 19.0 | 48  | 61              | 38.6  | 24   | 11        | 0.07 | 9                 |                                  |
| 20 GCV | 44.7                   | 4 270           | 5 600 | 25            | 73   | 178        | 127 | 62  | 105 | 126 | 19.0 | 59  | 77              | 51.3  | 24   | 11        | 0.12 | 16                |                                  |
| 25 GCV | 78.3                   | 7 474           | 5 000 | 32            | 92   | 213        | 159 | 77  | 131 | 155 | 21.8 | 72  | 92              | 65.3  | 26   | 14        | 0.23 | 29                |                                  |
| 30 GCV | 127.0                  | 12 100          | 4 400 | 38            | 105  | 240        | 187 | 91  | 152 | 180 | 21.8 | 84  | 107             | 79.8  | 26   | 14        | 0.36 | 43                |                                  |
| 35 GCV | 194.0                  | 18 500          | 3 900 | 51            | 124  | 279        | 218 | 106 | 178 | 211 | 28.4 | 98  | 130             | 94.0  | 30   | 18        | 0.54 | 68                |                                  |
| 40 GCV | 321.0                  | 30 609          | 3 600 | 64            | 146  | 318        | 248 | 121 | 210 | 245 | 28.4 | 111 | 145             | 105.9 | 35   | 22        | 0.91 | 97                |                                  |
| 45 GCV | 440.0                  | 42 000          | 3 200 | 76            | 165  | 346        | 278 | 135 | 235 | 274 | 28.4 | 123 | 166             | 116.3 | 44   | 25        | 1.04 | 136               |                                  |
| 50 GCV | 593.0                  | 56 600          | 2 900 | 89            | 178  | 389        | 314 | 153 | 254 | 306 | 38.1 | 141 | 183             | 134.6 | 44   | 25        | 1.77 | 190               |                                  |
| 55 GCV | 775.0                  | 74 030          | 2 650 | 102           | 197  | 425        | 344 | 168 | 279 | 334 | 38.1 | 158 | 204             | 149.6 | 44   | 25        | 2.22 | 249               |                                  |
| 60 GCV | 947.0                  | 90 400          | 2 450 | 114           | 222  | 457        | 384 | 188 | 305 | 366 | 25.4 | 169 | 229             | 168.1 | 48   | 29        | 3.18 | 306               |                                  |
| 70 GCV | 1 420.0                | 135 000         | 2 150 | 127           | 254  | 527        | 452 | 221 | 343 | 425 | 28.4 | 196 | 267             | 194.8 | 61   | 35        | 4.35 | 485               |                                  |

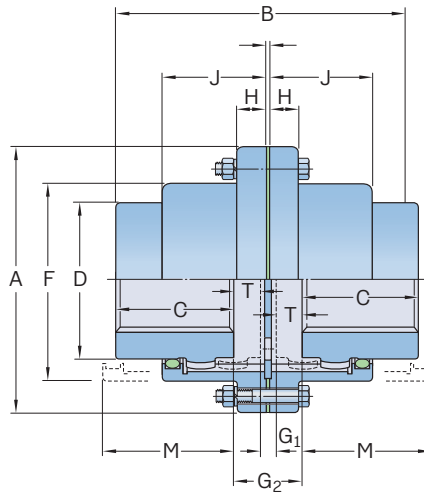
<sup>1)</sup> Minimum clearance required for aligning coupling.

## Gear couplings

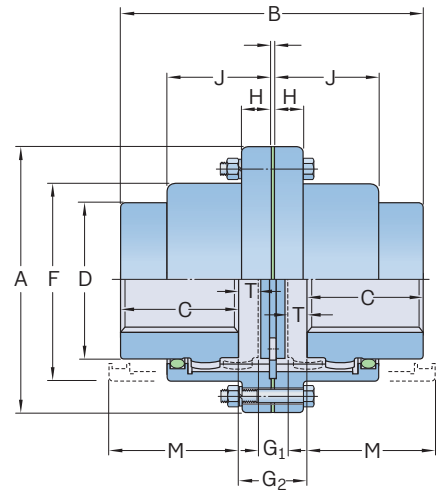
### Double engagement · Slide



Type 1



Type 2



Type 3

| Size    | Power per<br>100 r/min | Rated<br>torque | Speed | Dimensions    |      | A   | C   | D   | F   | H    | J   | Lubricant<br>mass | Coupling mass<br>without bore |
|---------|------------------------|-----------------|-------|---------------|------|-----|-----|-----|-----|------|-----|-------------------|-------------------------------|
|         |                        |                 |       | Bore diameter |      |     |     |     |     |      |     |                   |                               |
|         |                        |                 | Max.  | Min.          | Max. |     |     |     |     |      |     |                   |                               |
| –       | kW                     | Nm              | r/min | mm            |      |     |     |     |     |      |     | kg                |                               |
| 10 GCSL | 11.9                   | 1 139           | 5 300 | 13            | 48   | 116 | 43  | 69  | 84  | 14.0 | 39  | 0.02              | 5                             |
| 15 GCSL | 24.6                   | 2 350           | 4 300 | 19            | 60   | 152 | 49  | 86  | 105 | 19.0 | 48  | 0.04              | 9                             |
| 20 GCSL | 44.7                   | 4 270           | 3 700 | 25            | 73   | 178 | 62  | 105 | 126 | 19.0 | 59  | 0.06              | 16                            |
| 25 GCSL | 78.3                   | 7 474           | 3 300 | 32            | 92   | 213 | 77  | 131 | 155 | 21.8 | 72  | 0.11              | 29                            |
| 30 GCSL | 127.0                  | 12 100          | 2 900 | 38            | 105  | 240 | 91  | 152 | 180 | 21.8 | 84  | 0.18              | 43                            |
| 35 GCSL | 194.0                  | 18 500          | 2 600 | 51            | 124  | 279 | 106 | 178 | 211 | 28.4 | 98  | 0.27              | 68                            |
| 40 GCSL | 321.0                  | 30 609          | 2 400 | 64            | 146  | 318 | 121 | 210 | 245 | 28.4 | 111 | 0.45              | 97                            |
| 45 GCSL | 440.0                  | 42 000          | 2 100 | 76            | 165  | 346 | 135 | 235 | 274 | 28.4 | 123 | 0.51              | 136                           |
| 50 GCSL | 593.0                  | 56 600          | 1 900 | 89            | 178  | 389 | 153 | 254 | 306 | 38.1 | 141 | 0.91              | 190                           |
| 55 GCSL | 775.0                  | 74 030          | 1 800 | 102           | 197  | 425 | 168 | 279 | 334 | 38.1 | 158 | 1.13              | 249                           |
| 60 GCSL | 947.0                  | 90 400          | 1 600 | 114           | 222  | 457 | 188 | 305 | 366 | 25.4 | 169 | 1.19              | 306                           |
| 70 GCSL | 1 420.0                | 135 000         | 1 400 | 127           | 254  | 527 | 221 | 343 | 425 | 28.4 | 196 | 2.18              | 485                           |

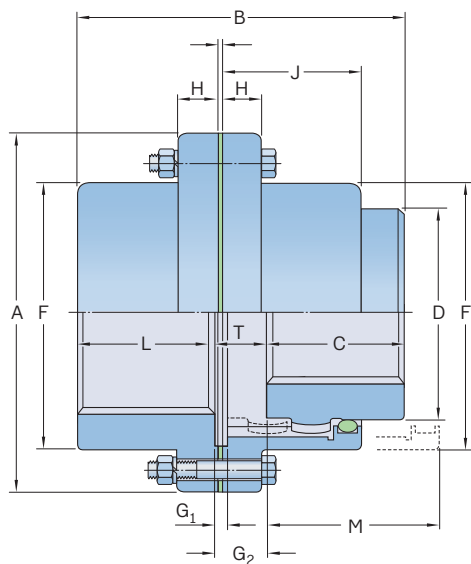
| Size    | Type 1    |                 |                   |       |                       |                | Type 2    |                 |                   |       |                       |                | Type 3    |                 |                   |       |                       |                |
|---------|-----------|-----------------|-------------------|-------|-----------------------|----------------|-----------|-----------------|-------------------|-------|-----------------------|----------------|-----------|-----------------|-------------------|-------|-----------------------|----------------|
|         | B<br>Max. | M <sup>1)</sup> | Half<br>T<br>Max. | Total | Gap<br>G <sub>1</sub> | G <sub>2</sub> | B<br>Max. | M <sup>1)</sup> | Half<br>T<br>Max. | Total | Gap<br>G <sub>1</sub> | G <sub>2</sub> | B<br>Max. | M <sup>1)</sup> | Half<br>T<br>Max. | Total | Gap<br>G <sub>1</sub> | G <sub>2</sub> |
| –       | mm        |                 |                   |       |                       |                | mm        |                 |                   |       |                       |                | mm        |                 |                   |       |                       |                |
| 10 GCSL | 96        | 54              | 13                | 26    | 8                     | 10             | 126       | 58              | 16                | 32    | 8                     | 40             | 96        | 54              | 2.0               | 4     | 6                     | 10             |
| 15 GCSL | 127       | 60              | 10                | 20    | 8                     | 29             | 152       | 69              | 23                | 46    | 8                     | 54             | 127       | 60              | 7.5               | 15    | 14                    | 29             |
| 20 GCSL | 151       | 77              | 9                 | 18    | 8                     | 27             | 186       | 84              | 27                | 54    | 8                     | 62             | 151       | 77              | 10.0              | 20    | 7                     | 27             |
| 25 GCSL | 188       | 93              | 12                | 24    | 9                     | 34             | 231       | 102             | 34                | 68    | 9                     | 78             | 188       | 93              | 6.0               | 12    | 21                    | 34             |
| 30 GCSL | 227       | 108             | 18                | 36    | 9                     | 45             | 263       | 118             | 36                | 72    | 9                     | 81             | 227       | 108             | 11.5              | 23    | 22                    | 45             |
| 35 GCSL | 274       | 124             | 25                | 50    | 11                    | 61             | 313       | 135             | 45                | 90    | 11                    | 102            | 274       | 124             | 14.0              | 28    | 33                    | 61             |
| 40 GCSL | 320       | 138             | 32                | 64    | 15                    | 79             | 364       | 155             | 54                | 108   | 15                    | 121            | 320       | 138             | 16.0              | 32    | 47                    | 79             |
| 45 GCSL | 355       | 154             | 35                | 70    | 16                    | 86             | 406       | 163             | 60                | 120   | 16                    | 136            | 355       | 154             | 19.0              | 38    | 47                    | 86             |
| 50 GCSL | 408       | 175             | 42                | 82    | 18                    | 102            | 460       | 189             | 68                | 136   | 18                    | 153            | 408       | 175             | 20.5              | 41    | 61                    | 102            |
| 55 GCSL | 470       | 191             | 58                | 116   | 18                    | 134            | 510       | 221             | 78                | 156   | 18                    | 174            | 470       | 191             | 21.0              | 42    | 92                    | 134            |
| 60 GCSL | 504       | 212             | 53                | 424   | 21                    | 127            | 563       | 227             | 83                | 166   | 21                    | 187            | 504       | 212             | 24.5              | 49    | 78                    | 127            |
| 70 GCSL | 592       | 245             | 62                | 490   | 26                    | 150            | 669       | 235             | 99                | 198   | 26                    | 223            | 592       | 245             | 27.0              | 54    | 96                    | 150            |

<sup>1)</sup> Minimum clearance required for aligning coupling.

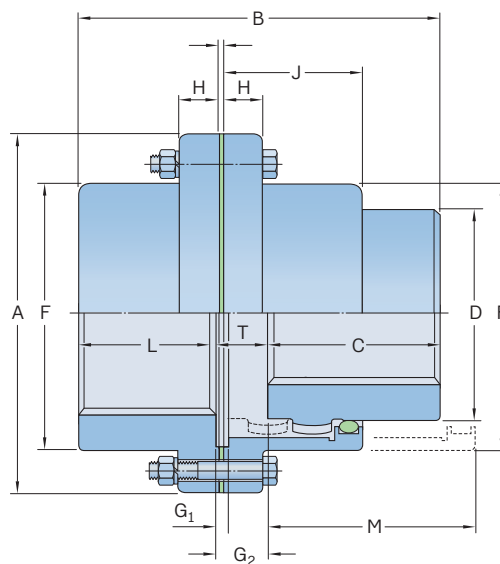
Larger sizes available: contact SKF for details.

Double engagement slide couplings are designed for horizontal close coupled applications and are designed to accommodate thermal expansion of the shaft and large mechanical vibratory screens. These couplings are available with 3 different ranges of axial capabilities.

# Gear couplings Single engagement · Slide



Type 1



Type 2

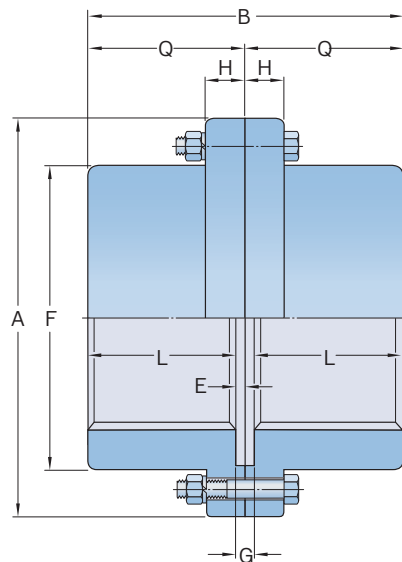
| Size    | Power per<br>100 r/min | Rated<br>torque | Speed | Dimensions    |                  |                | A    | C   | D   | F   | H    | J   | L   | Lubricant<br>mass | Coupling mass<br>without bore |
|---------|------------------------|-----------------|-------|---------------|------------------|----------------|------|-----|-----|-----|------|-----|-----|-------------------|-------------------------------|
|         |                        |                 | Max.  | Bore diameter | Flex hub<br>Max. | Se hub<br>Max. | Min. |     |     |     |      |     |     |                   |                               |
| –       | kW                     | Nm              | r/min | mm            |                  |                |      | mm  |     |     |      |     |     | kg                |                               |
| 10 GCSL | 11.9                   | 1 139           | 5 300 | 48            | 60               | 13             | 116  | 43  | 69  | 84  | 14.0 | 39  | 40  | 0.01              | 5                             |
| 15 GCSL | 24.6                   | 2 350           | 4 300 | 60            | 75               | 19             | 152  | 49  | 86  | 105 | 19.0 | 48  | 46  | 0.02              | 9                             |
| 20 GCSL | 44.7                   | 4 270           | 3 700 | 73            | 92               | 25             | 178  | 62  | 105 | 126 | 19.0 | 59  | 58  | 0.04              | 16                            |
| 25 GCSL | 78.3                   | 7 474           | 3 300 | 92            | 111              | 32             | 213  | 77  | 131 | 155 | 21.8 | 72  | 74  | 0.06              | 29                            |
| 30 GCSL | 127.0                  | 12 100          | 2 900 | 105           | 130              | 38             | 240  | 91  | 152 | 180 | 21.8 | 84  | 88  | 0.11              | 43                            |
| 35 GCSL | 194.0                  | 18 500          | 2 600 | 124           | 149              | 51             | 279  | 106 | 178 | 211 | 28.4 | 98  | 102 | 0.18              | 68                            |
| 40 GCSL | 321.0                  | 30 609          | 2 400 | 146           | 171              | 64             | 318  | 121 | 210 | 245 | 28.4 | 111 | 115 | 0.27              | 97                            |
| 45 GCSL | 440.0                  | 42 000          | 2 100 | 165           | 194              | 76             | 346  | 135 | 235 | 274 | 28.4 | 123 | 131 | 0.34              | 136                           |
| 50 GCSL | 593.0                  | 56 600          | 1 900 | 178           | 222              | 89             | 389  | 153 | 254 | 306 | 38.1 | 141 | 147 | 0.54              | 195                           |
| 55 GCSL | 775.0                  | 74 030          | 1 800 | 197           | 248              | 102            | 425  | 168 | 279 | 334 | 38.1 | 158 | 173 | 0.73              | 263                           |
| 60 GCSL | 947.0                  | 90 400          | 1 600 | 222           | 267              | 114            | 457  | 188 | 305 | 366 | 25.4 | 169 | 186 | 0.96              | 324                           |
| 70 GCSL | 1 420.0                | 135 000         | 1 400 | 254           | 305              | 127            | 527  | 221 | 343 | 425 | 28.4 | 196 | 220 | 1.36              | 510                           |

| Size    | Type 1    |                 |           |                       |                | Type 2    |                 |           |                       |                |
|---------|-----------|-----------------|-----------|-----------------------|----------------|-----------|-----------------|-----------|-----------------------|----------------|
|         | B<br>Max. | M <sup>1)</sup> | T<br>Max. | Gap<br>G <sub>1</sub> | G <sub>2</sub> | B<br>Max. | M <sup>1)</sup> | T<br>Max. | Gap<br>G <sub>1</sub> | G <sub>2</sub> |
| –       | mm        |                 |           |                       |                | mm        |                 |           |                       |                |
| 10 GCSL | 90.0      | 54              | 3.6       | 4                     | 8              | 105       | 58              | 18.5      | 4                     | 23             |
| 15 GCSL | 112.0     | 60              | 12.7      | 4                     | 17             | 125       | 69              | 25.4      | 4                     | 30             |
| 20 GCSL | 136.0     | 77              | 11.7      | 4                     | 16             | 154       | 84              | 29.5      | 4                     | 34             |
| 25 GCSL | 170.0     | 93              | 14.5      | 5                     | 19             | 192       | 102             | 36.3      | 5                     | 41             |
| 30 GCSL | 204.0     | 108             | 20.1      | 5                     | 25             | 222       | 118             | 38.1      | 5                     | 43             |
| 35 GCSL | 241.0     | 124             | 27.2      | 6                     | 33             | 262       | 135             | 47.8      | 6                     | 53             |
| 40 GCSL | 279.0     | 138             | 36.3      | 7                     | 43             | 300       | 155             | 57.4      | 7                     | 65             |
| 45 GCSL | 315.0     | 154             | 38.9      | 8                     | 47             | 338       | 163             | 64.0      | 8                     | 72             |
| 50 GCSL | 356.0     | 175             | 47.0      | 9                     | 56             | 382       | 189             | 72.6      | 9                     | 81             |
| 55 GCSL | 412.5     | 191             | 63.0      | 9                     | 72             | 433       | 221             | 83.1      | 9                     | 92             |
| 60 GCSL | 445.0     | 212             | 59.7      | 10                    | 70             | 475       | 227             | 89.4      | 10                    | 100            |
| 70 GCSL | 524.0     | 245             | 70.4      | 13                    | 83             | 560       | 235             | 106.7     | 13                    | 119            |

<sup>1)</sup> Minimum clearance required for aligning coupling.  
Larger sizes available: contact SKF for details.  
These couplings are available with 2 different ranges of axial capabilities.

## Gear couplings

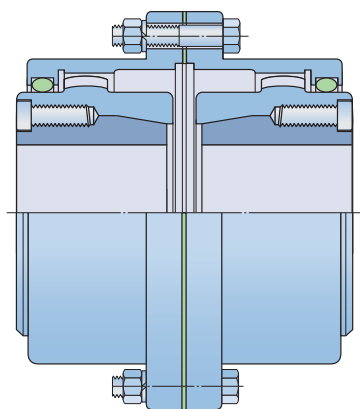
### Rigid flanged sleeve



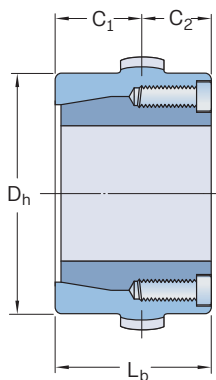
| Size    | Power per<br>100 r/min | Rated<br>torque | Speed | Dimensions    |      |     | A     | B   | E   | F    | H     | L   | Q  | Gap   | Coupling mass<br>without bore |
|---------|------------------------|-----------------|-------|---------------|------|-----|-------|-----|-----|------|-------|-----|----|-------|-------------------------------|
|         |                        |                 |       | Bore diameter |      |     |       |     |     |      |       |     |    | G     |                               |
|         |                        |                 | Max.  | Min.          | Max. |     |       |     |     |      |       |     |    |       |                               |
| –       | kW                     | Nm              | r/min | mm            |      | mm  |       |     |     |      |       |     |    | mm    | kg                            |
| 10 GCR  | 11.9                   | 1 139           | 8 000 | 13            | 60   | 116 | 84.5  | 2.5 | 84  | 14.0 | 40.0  | 39  | 5  | 5     |                               |
| 15 GCR  | 24.6                   | 2 350           | 6 500 | 19            | 75   | 152 | 97.5  | 2.5 | 105 | 19.0 | 46.0  | 48  | 5  | 9     |                               |
| 20 GCR  | 44.7                   | 4 270           | 5 600 | 25            | 92   | 178 | 122.0 | 2.5 | 126 | 19.0 | 58.5  | 59  | 5  | 16    |                               |
| 25 GCR  | 78.3                   | 7 474           | 5 000 | 32            | 111  | 213 | 152.5 | 2.5 | 155 | 21.8 | 73.5  | 72  | 5  | 28    |                               |
| 30 GCR  | 127.0                  | 12 100          | 4 400 | 38            | 130  | 240 | 181.0 | 2.5 | 180 | 21.8 | 88.0  | 84  | 5  | 43    |                               |
| 35 GCR  | 194.0                  | 18 500          | 3 900 | 51            | 149  | 279 | 209.0 | 2.5 | 211 | 28.4 | 102.0 | 98  | 5  | 68    |                               |
| 40 GCR  | 321.0                  | 30 609          | 3 600 | 64            | 171  | 318 | 239.0 | 4.1 | 245 | 28.4 | 115.0 | 111 | 8  | 102   |                               |
| 45 GCR  | 440.0                  | 42 000          | 3 200 | 76            | 194  | 346 | 269.0 | 4.1 | 274 | 28.4 | 130.5 | 123 | 8  | 140   |                               |
| 50 GCR  | 593.0                  | 56 600          | 2 900 | 89            | 222  | 389 | 305.0 | 5.1 | 306 | 38.1 | 147.5 | 141 | 10 | 205   |                               |
| 55 GCR  | 775.0                  | 74 030          | 2 650 | 102           | 248  | 425 | 355.5 | 5.1 | 334 | 38.1 | 172.5 | 158 | 10 | 280   |                               |
| 60 GCR  | 947.0                  | 90 400          | 2 450 | 114           | 267  | 457 | 386.0 | 6.6 | 366 | 25.4 | 186.5 | 169 | 13 | 335   |                               |
| 70 GCR  | 1 420.0                | 135 000         | 2 150 | 127           | 305  | 527 | 457.0 | 8.4 | 425 | 28.4 | 220.0 | 196 | 17 | 536   |                               |
| 80 GCR  | 1 780.0                | 170 000         | 1 750 | 102           | 343  | 591 | 514.0 | 8.0 | 572 | 31.5 | 249.0 | 243 | 16 | 703   |                               |
| 90 GCR  | 2 360.0                | 226 000         | 1 550 | 114           | 381  | 660 | 568.0 | 8.0 | 641 | 38.0 | 276.0 | 265 | 16 | 984   |                               |
| 100 GCR | 3 250.0                | 310 000         | 1 450 | 127           | 406  | 711 | 629.0 | 9.7 | 699 | 44.2 | 305.0 | 294 | 19 | 1 210 |                               |
| 110 GCR | 4 320.0                | 413 000         | 1 330 | 140           | 445  | 775 | 686.0 | 9.7 | 749 | 50.8 | 333.0 | 322 | 19 | 1 610 |                               |
| 120 GCR | 5 810.0                | 555 000         | 1 200 | 152           | 495  | 838 | 724.0 | 9.7 | 826 | 53.8 | 353.0 | 341 | 19 | 2 114 |                               |

Rigid flanged sleeve couplings are designed for horizontal, close coupled applications.  
These are excellent high torque couplings to use where there is no need to accommodate misalignment.

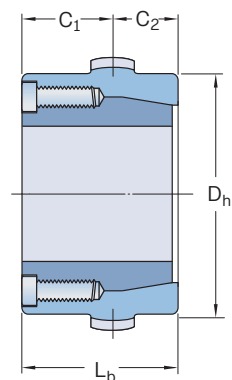
## Gear couplings with taper bushing option



Gear coupling mounting in modified hubs



Type "F" mounting  $C_1 > C_2$   
(standard configuration)



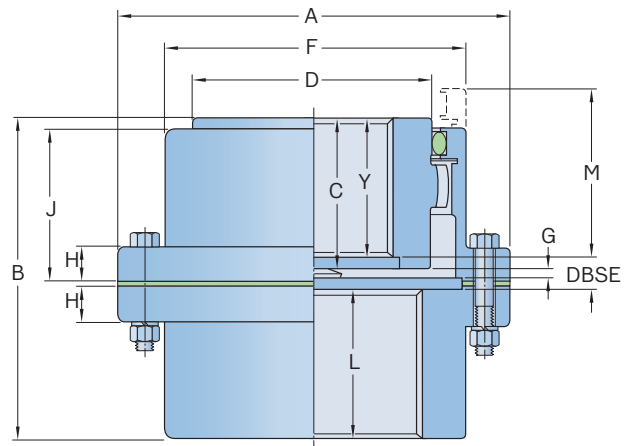
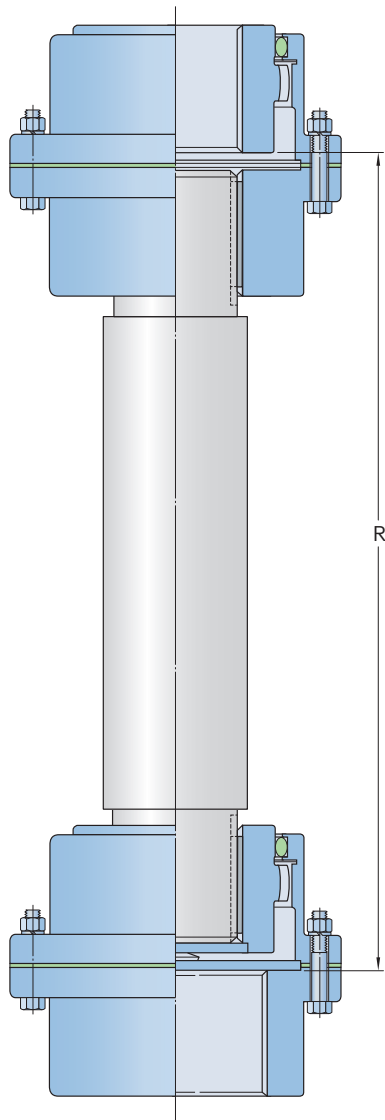
Type "H" mounting  $C_1 > C_2$   
(non-preferred, not available in all series)

| Size    | Taper bushing designation | Bushing torque capacity | Bore diameter range <sup>1)</sup> |            | Nominal hub length<br>Lb | Hub diameter<br>Dh |
|---------|---------------------------|-------------------------|-----------------------------------|------------|--------------------------|--------------------|
|         |                           |                         | Max.<br>r/min                     | Min.<br>mm |                          |                    |
| –       | –                         | Nm                      |                                   |            | mm                       | mm                 |
| 10 GCTB | 1 215                     | 405                     | 13                                | 32         | 43                       | 69                 |
| 15 GCTB | 1 615                     | 485                     | 13                                | 42         | 53                       | 88                 |
| 20 GCTB | 2 012                     | 810                     | 13                                | 50         | 62                       | 105                |
| 25 GCTB | 2 525                     | 1 275                   | 25                                | 65         | 77                       | 131                |
| 30 GCTB | 3 030                     | 2 710                   | 24                                | 80         | 91                       | 152                |
| 35 GCTB | 3 535                     | 5 060                   | 32                                | 91         | 107                      | 178                |
| 40 GCTB | 4 040                     | 8 727                   | 37                                | 103        | 121                      | 210                |

<sup>1)</sup> The taper bushing combination may be used in full flex-flex or flex-rigid configuration.

## Gear couplings

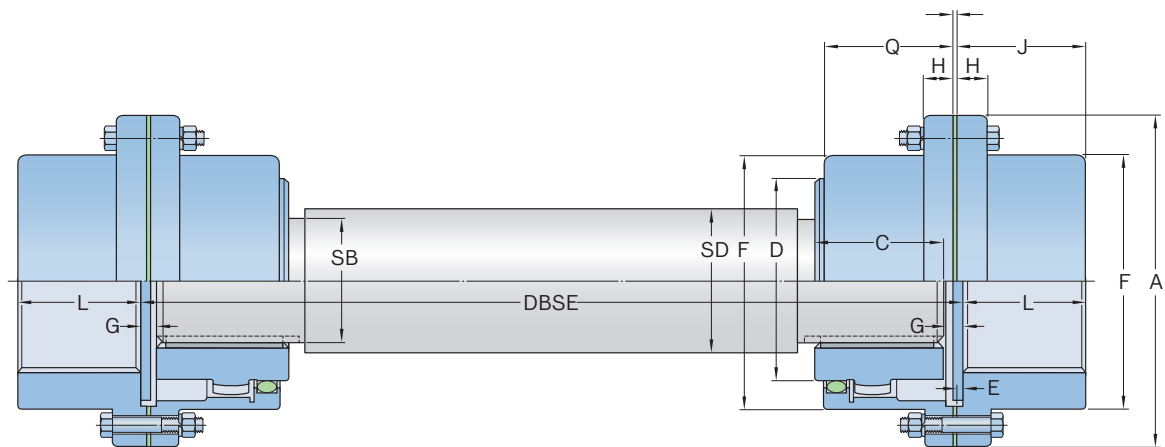
Single engagement · Vertical and floating shaft



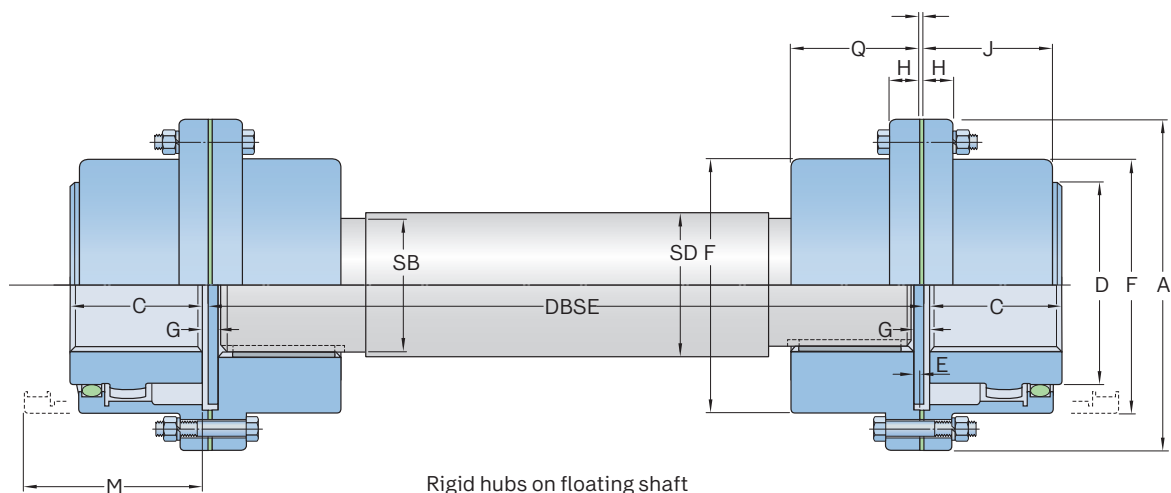
| Size   | Power per<br>100 r/min | Rated<br>torque | Speed | Bore diameter |        |      | Dimensions |       |     |     |     |      |     |     |     |     |       |      | Gap | Lubricant<br>mass | Coupling mass<br>without bore |
|--------|------------------------|-----------------|-------|---------------|--------|------|------------|-------|-----|-----|-----|------|-----|-----|-----|-----|-------|------|-----|-------------------|-------------------------------|
|        |                        |                 |       | Flex<br>hub   | Se hub |      | A          | B     | C   | D   | F   | H    | J   | L   | M   | R   | Y     | DBSE |     |                   |                               |
|        |                        |                 | Max.  | Max.          | Max.   | Min. |            |       |     |     |     |      |     |     |     |     |       |      |     |                   |                               |
| –      | kW                     | Nm              | r/min | mm            |        |      | mm         |       |     |     |     |      |     |     |     |     |       |      | mm  | kg                |                               |
| 10 GCV | 11.9                   | 1 139           | 7 000 | 48            | 60     | 13   | 116        | 87.0  | 43  | 69  | 84  | 14.0 | 39  | 40  | 51  | 132 | 32.5  | 14.7 | 4   | 0.02              | 4.5                           |
| 15 GCV | 24.6                   | 2 350           | 5 500 | 60            | 75     | 19   | 152        | 99.0  | 49  | 86  | 105 | 19.0 | 48  | 46  | 61  | 152 | 38.6  | 14.7 | 4   | 0.04              | 9.1                           |
| 20 GCV | 44.7                   | 4 270           | 4 600 | 73            | 92     | 25   | 178        | 124.0 | 62  | 105 | 126 | 19.0 | 59  | 58  | 77  | 183 | 51.3  | 14.7 | 4   | 0.07              | 15.9                          |
| 25 GCV | 78.3                   | 7 474           | 4 000 | 92            | 111    | 32   | 213        | 156.0 | 77  | 131 | 155 | 21.8 | 72  | 74  | 92  | 218 | 65.3  | 16.3 | 5   | 0.12              | 27.2                          |
| 30 GCV | 127.0                  | 12 100          | 3 600 | 105           | 130    | 38   | 240        | 184.0 | 91  | 152 | 180 | 21.8 | 84  | 88  | 107 | 248 | 79.8  | 16.3 | 5   | 0.18              | 43.1                          |
| 35 GCV | 194.0                  | 18 500          | 3 100 | 124           | 149    | 51   | 279        | 213.5 | 106 | 178 | 211 | 28.4 | 98  | 102 | 130 | 298 | 94.0  | 18.0 | 6   | 0.27              | 61.2                          |
| 40 GCV | 321.0                  | 30 609          | 2 800 | 146           | 171    | 64   | 318        | 243.0 | 121 | 210 | 245 | 28.4 | 111 | 115 | 145 | 340 | 105.9 | 22.0 | 7   | 0.47              | 99.8                          |
| 45 GCV | 440.0                  | 42 000          | 2 600 | 165           | 194    | 76   | 346        | 274.0 | 135 | 235 | 274 | 28.4 | 123 | 131 | 166 | 388 | 116.3 | 26.7 | 8   | 0.57              | 136.1                         |
| 50 GCV | 593.0                  | 56 600          | 2 400 | 178           | 222    | 89   | 389        | 309.0 | 153 | 254 | 306 | 38.1 | 141 | 147 | 183 | 424 | 134.6 | 27.7 | 9   | 0.91              | 195.0                         |
| 55 GCV | 775.0                  | 74 030          | 2 200 | 197           | 248    | 102  | 425        | 350.0 | 168 | 279 | 334 | 38.1 | 158 | 173 | 204 | 464 | 149.6 | 27.7 | 9   | 1.13              | 263.1                         |
| 60 GCV | 947.0                  | 90 400          | 2 100 | 222           | 267    | 114  | 457        | 384.0 | 188 | 305 | 366 | 25.4 | 169 | 186 | 229 | 522 | 168.1 | 30.9 | 10  | 1.70              | 324.3                         |
| 70 GCV | 1 420.0                | 135 000         | 1 800 | 254           | 305    | 127  | 527        | 454.0 | 221 | 343 | 425 | 28.4 | 196 | 220 | 267 | 615 | 194.8 | 39.1 | 13  | 2.27              | 508.0                         |

## Gear couplings

### Single engagement · Floating shaft



Flex hub on floating shaft



Rigid hubs on floating shaft

| Size    | DBSE     |           | Bore diameter |           | Min. | Dimensions |     |     |     |      |     |     |     |    | Gap  | Lubricant mass | Coupling mass without bore |
|---------|----------|-----------|---------------|-----------|------|------------|-----|-----|-----|------|-----|-----|-----|----|------|----------------|----------------------------|
|         | Flex hub | Rigid hub | Flex hub      | Rigid hub |      | A          | C   | D   | F   | H    | J   | L   | M   | G  |      |                |                            |
|         | Min.     | Max.      | Max.          | Max.      |      |            |     |     |     |      |     |     |     |    |      |                |                            |
| –       | mm       |           |               |           |      |            |     |     |     |      |     |     |     |    | kg   |                |                            |
| 10 GCFS | 133      | 92        | 48            | 60        | 13   | 116        | 43  | 69  | 84  | 14.0 | 39  | 40  | 51  | 4  | 0.02 | 4.5            |                            |
| 15 GCFS | 159      | 105       | 60            | 75        | 19   | 152        | 49  | 86  | 105 | 19.0 | 48  | 46  | 61  | 4  | 0.04 | 9.1            |                            |
| 20 GCFS | 197      | 129       | 73            | 92        | 25   | 178        | 62  | 105 | 126 | 19.0 | 59  | 58  | 77  | 4  | 0.07 | 15.9           |                            |
| 25 GCFS | 241      | 162       | 92            | 111       | 32   | 213        | 77  | 131 | 155 | 21.8 | 72  | 74  | 92  | 5  | 0.12 | 27.2           |                            |
| 30 GCFS | 279      | 189       | 105           | 130       | 38   | 240        | 91  | 152 | 180 | 21.8 | 84  | 88  | 107 | 5  | 0.18 | 43.1           |                            |
| 35 GCFS | 324      | 219       | 124           | 149       | 51   | 279        | 106 | 178 | 211 | 28.4 | 98  | 102 | 130 | 6  | 0.27 | 61.2           |                            |
| 40 GCFS | 419      | 248       | 146           | 171       | 64   | 318        | 121 | 210 | 245 | 28.4 | 111 | 115 | 145 | 7  | 0.47 | 99.8           |                            |
| 45 GCFS | 508      | 281       | 165           | 194       | 76   | 346        | 135 | 235 | 274 | 28.4 | 123 | 131 | 166 | 8  | 0.57 | 136.1          |                            |
| 50 GCFS | 533      | 316       | 178           | 222       | 89   | 389        | 153 | 254 | 306 | 38.1 | 141 | 147 | 183 | 9  | 0.91 | 195.0          |                            |
| 55 GCFS | 572      | 367       | 197           | 248       | 102  | 425        | 168 | 279 | 334 | 38.1 | 158 | 173 | 204 | 9  | 1.13 | 263.1          |                            |
| 60 GCFS | 597      | 397       | 222           | 267       | 114  | 457        | 188 | 305 | 366 | 25.4 | 169 | 186 | 229 | 10 | 1.70 | 324.3          |                            |
| 70 GCFS | 673      | 470       | 254           | 305       | 127  | 527        | 221 | 343 | 425 | 28.4 | 196 | 220 | 267 | 13 | 2.27 | 508.0          |                            |

## Disc couplings

The SKF disc coupling is the ideal solution in medium to high torque applications that require torsional rigidity, offer some allowance for misalignment, and do not require lubrication. These applications typically have a capacity range up to 178 kNm in a range of configurations including single disc, double disc, and spacer for both horizontal and vertical mounting. Standard shaft capacities are up to 289 mm.

The SKF disc coupling consists of two hubs and a laminated stainless steel disc pack secured by a series of fitted bolts retained by nylon insert lock nut nuts.

For spacer units, the spacer length is held between two disc pack sets.

Single disc units can accommodate angular ( $\alpha$ ) offset only. Double disc pack units, with a spacer, will allow for angular ( $\alpha$ ), parallel ( $\delta$ ), or combined offset. Both configurations will also allow for some axial ( $\delta$ ) movement.

The disc pack, or spacer may be removed and re-installed radially, meaning the prime mover and driven machine need not be moved at all.

The all-steel machined components allow for high speed applications to be handled with ease. With two-plane dynamic balancing, higher speeds are often permissible.

Hubs are carried with pilot bores so that boring to requirements is easy. In addition, where zero backlash is required, the use of the SKF FX Keyless Bushing is a simple and economical solution.

The SKF Disc Coupling offers the following benefits:

- Medium to high torque capability
- Cost effective (v torque and size)
- No lubrication required
- No frictional or energy losses
- Quiet operation (no meshing)
- Zero backlash
- Angular misalignment ( $\alpha$ )
- Parallel offset ( $\beta$ ) with spacer / double disc pack configuration only
- High speed capability (may require dynamic balancing over 50 m/s)
- Limited end-float / axial movement ( $\delta$ )
- Temperature-tolerant (generally up to 250 °C)
- Low inertia / mass  $MK^2$  (when compared with other metallic-type couplings)
- Various hub designs, including short or inverted hub
- Standard spacer lengths to ANSI and ISO standards generally available
- Available with longer tubular spacers (steel or composite in some instances)
- Ease of mounting / alignment and maintenance

### Coupling types

The SKF Disc Coupling is available in 2 basic configurations:

- Single disc
- Double disc
  - Short spacer
  - Standard spacer
  - Custom spacer
  - Floating horizontal
  - Floating vertical

### Order data

| Coupling type                      | Hubs            |     |               |                   | Disc pack |                | Bolt kit |              | Vertical kit |               | Spacer / Vertical kit (VKIT) |                   |
|------------------------------------|-----------------|-----|---------------|-------------------|-----------|----------------|----------|--------------|--------------|---------------|------------------------------|-------------------|
| –                                  | Solid bore      | Qty | Bored to size | Qty               | –         | Qty            |          | Qty          |              | Qty           |                              | Qty               |
| Single-flex (W4)                   | PHE W4-15HUBRSB | 2   | or            | PHE W4-15HUB...MM | 2         | PHE W4-15DPACK | 1        | PHE W4-15KIT | 1            | –             | –                            | –                 |
| Double-flex (W4), with spacer      | PHE W4-15HUBRSB | 2   | or            | PHE W4-15HUB...MM | 2         | PHE W4-15DPACK | 2        | PHE W4-15KIT | 2            | –             | PHE W4-15X...MM              | 1                 |
| Double-flex floating               | PHE W6-35HUBRSB | 2   | or            | PHE W6-35HUB...MM | 2         | PHE W6-35DPACK | 2        | PHE W6-35KIT | 2            | –             | PHE W6-35FSX...MM            | 1                 |
| Double-flex semi-floating          | PHE W6-35HUBRSB | 2   | or            | PHE W6-35HUB...MM | 2         | PHE W6-35DPACK | 1        | PHE W6-35KIT | 1            | –             | PHE W6-35SFSSPX...MM         | 1                 |
| Single-flex (vertical)             | PHE W4-15HUBRSB | 2   | or            | PHE W4-15HUB...MM | 2         | PHE W4-15DPACK | 1        | PHE W4-15KIT | 1            | PHE W4-15VKIT | 1                            | –                 |
| Double-flex (vertical) with spacer | PHE W6-35HUBRSB | 2   | or            | PHE W6-35HUB...MM | 2         | PHE W6-35DPACK | 2        | PHE W6-35KIT | 2            | PHE W6-35VKIT | 1                            | PHE W6-35X...MM   |
| Double-flex floating (vertical)    | PHE W6-35HUBRSB | 2   | or            | PHE W6-35HUB...MM | 2         | PHE W6-35DPACK | 2        | PHE W6-35KIT | 2            | PHE W6-35VKIT | 1                            | PHE W6-35FSX...MM |

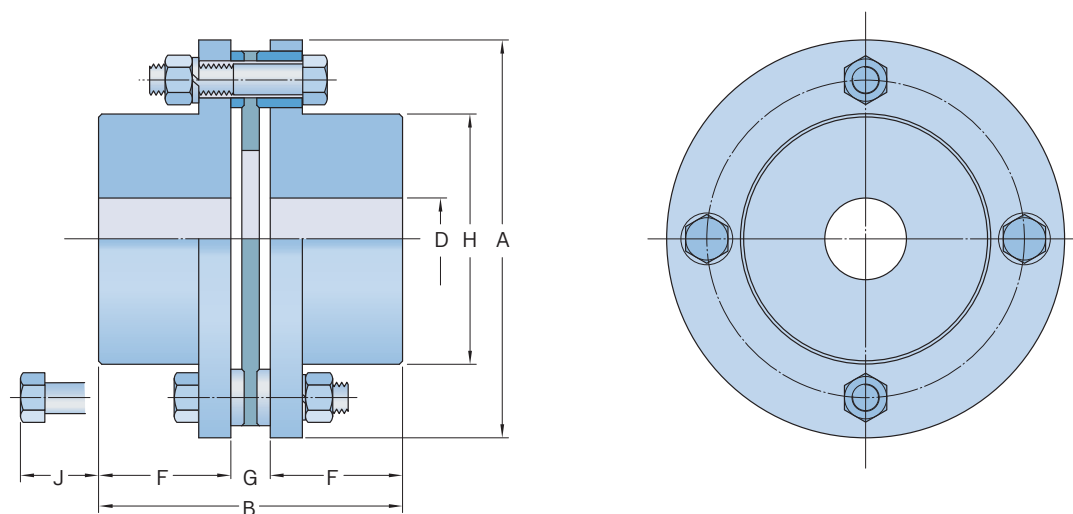
The complete coupling designation consists of the series, size and bore details. If bore is not specified, solid bore (RSB) is supplied, for example: PHE W6D-35x50MMx50MM or PHE W6D-45x350MMx50x50MM, where 350 mm is the required DBSE.

Unless specified, bore tolerance will be H7.

Option of taper bushing in the hub (mounting type F) is available on request. Note that coupling capacity may be reduced due to the taper bushing capacity. FX Keyless bushings are also an option in some cases. Please, refer to SKF for details on both options.

For bored to size designations, add bore size. For example: PHE W4D-45X50MMX45MM.

**Disc couplings**  
**W4 – 4 Bolt single**



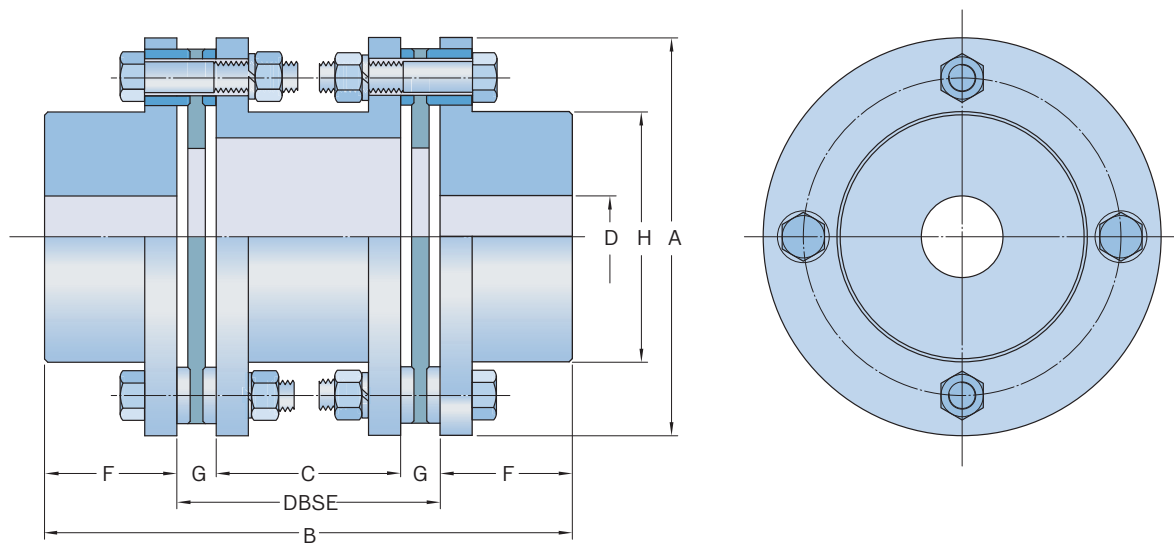
| Size | Rated torque | Speed <sup>1)</sup> | Bore diameter |      | Dimensions |       |     |      |     |    | Tightening torque | Coupling weight without bore and min. DBSE |
|------|--------------|---------------------|---------------|------|------------|-------|-----|------|-----|----|-------------------|--------------------------------------------|
|      |              | Max.                | D Min.        | Max. | A          | B     | F   | G    | H   | J  |                   |                                            |
| –    | Nm           | r/min               | mm            |      |            |       |     |      |     |    | Nm                | kg                                         |
| 5    | 34.3         | 10 000              | 8             | 23   | 67         | 55.8  | 25  | 5.8  | 33  | 16 | 9                 | 0.6                                        |
| 10   | 90           | 10 000              | 10            | 32   | 81         | 57.1  | 25  | 7.1  | 46  | 16 | 9                 | 1.1                                        |
| 15   | 176          | 10 000              | 10            | 35   | 93         | 66.4  | 29  | 8.4  | 51  | 24 | 22                | 1.7                                        |
| 20   | 245          | 10 000              | 10            | 42   | 104        | 79    | 34  | 11   | 61  | 30 | 22                | 2.5                                        |
| 25   | 421          | 8 300               | 16            | 50   | 126        | 93.2  | 41  | 11.2 | 71  | 27 | 41                | 4.3                                        |
| 30   | 774          | 7 300               | 16            | 58   | 143        | 108.5 | 48  | 12.5 | 84  | 28 | 72                | 6.9                                        |
| 35   | 1 274        | 6 200               | 25            | 74   | 168        | 130   | 57  | 16   | 106 | 26 | 72                | 11.3                                       |
| 40   | 2 058        | 5 400               | 25            | 83   | 194        | 145   | 64  | 17   | 118 | 30 | 160               | 16.7                                       |
| 45   | 3 332        | 4 900               | 45            | 95   | 214        | 174.8 | 76  | 22.8 | 137 | 34 | 160               | 22.7                                       |
| 50   | 4 900        | 4 200               | 50            | 109  | 246        | 202   | 89  | 24   | 156 | 26 | 220               | 35.4                                       |
| 55   | 6 370        | 3 800               | 50            | 118  | 276        | 230   | 102 | 26   | 169 | 42 | 570               | 52                                         |

<sup>1)</sup> If higher speed required, contact SKF

<sup>2)</sup> For dimension C in type 4F, this varies depending on spacer length

<sup>3)</sup> For coupling weight in type 4F, this varies depending on spacer length

Disc couplings  
W4 – 4 Bolt double



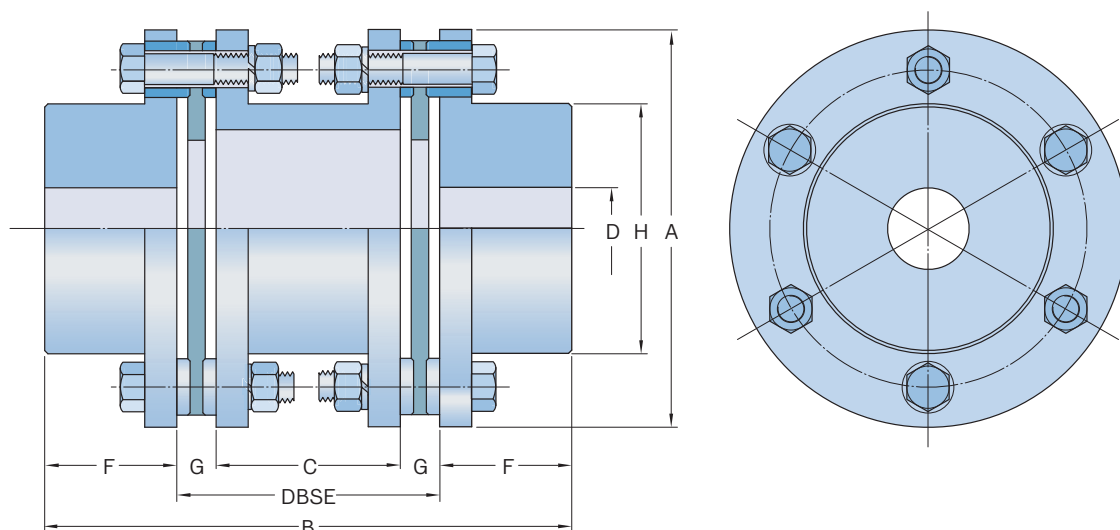
| Size | Rated torque | Speed <sup>1)</sup> | Bore diameter |      | Dimensions |                  |           |                    | C <sup>2)</sup> | F   | G    | H   | J  | Tightening torque | Coupling mass without bore and min. DBSE <sup>3)</sup> |
|------|--------------|---------------------|---------------|------|------------|------------------|-----------|--------------------|-----------------|-----|------|-----|----|-------------------|--------------------------------------------------------|
|      |              | Max.                | D Min.        | Max. | A          | B                | DBSE Min. | Max. <sup>4)</sup> |                 |     |      |     |    |                   |                                                        |
| –    | Nm           | r/min               | mm            |      |            |                  |           |                    |                 |     |      |     |    | Nm                | kg                                                     |
| 05   | 33.3         | 10 000              | 8             | 23   | 67         | B = 2 · F · DBSE | 36        | 200                | 24              | 25  | 5.8  | 33  | 16 | 9                 | 1.1                                                    |
| 10   | 90.2         | 10 000              | 10            | 32   | 81         |                  | 39        | 200                | 25              | 25  | 7.1  | 46  | 16 | 9                 | 1.7                                                    |
| 15   | 176          | 10 000              | 10            | 35   | 93         |                  | 47        | 250                | 30              | 29  | 8.4  | 51  | 24 | 22                | 2.7                                                    |
| 20   | 245          | 10 000              | 10            | 42   | 104        |                  | 53        | 250                | 31              | 34  | 11   | 61  | 30 | 22                | 6.6                                                    |
| 25   | 421          | 8 300               | 16            | 50   | 126        |                  | 62        | 300                | 40              | 41  | 11.2 | 71  | 27 | 41                | 6.6                                                    |
| 30   | 774          | 7 300               | 16            | 58   | 143        |                  | 69        | 300                | 44              | 48  | 12.5 | 84  | 28 | 72                | 10.3                                                   |
| 35   | 1 274        | 6 200               | 25            | 74   | 168        |                  | 78        | 300                | 46              | 57  | 16   | 106 | 26 | 72                | 15.6                                                   |
| 40   | 2 058        | 5 400               | 25            | 83   | 194        |                  | 89        | 350                | 55              | 64  | 17   | 118 | 30 | 160               | 24                                                     |
| 45   | 3 332        | 4 900               | 45            | 90   | 214        |                  | 97        | 350                | 51              | 76  | 22.8 | 137 | 34 | 160               | 31.5                                                   |
| 50   | 4 900        | 4 200               | 50            | 109  | 246        |                  | 109       | 350                | 61              | 89  | 24   | 156 | 26 | 220               | 48.4                                                   |
| 55   | 5 880        | 3 800               | 50            | 118  | 276        |                  | 134       | 400                | 82              | 102 | 26   | 169 | 42 | 570               | 73.9                                                   |

<sup>1)</sup> Higher speeds may be permissible if system is dynamically balanced (with finished bores only)

<sup>2)</sup> For dimension C in type 4F, this varies depending on spacer length

<sup>3)</sup> For coupling weight in type 4F, this varies depending on spacer length

<sup>4)</sup> Preferred standard spacer lengths to both ISO and ANSI standards are available



| Size | Rated torque | Speed <sup>1)</sup> | Bore diameter |      | Dimensions |               | DBSE Min. | Max. <sup>4)</sup> | C <sup>2)</sup> | F   | G    | H   | Tightening torque | Coupling weight without bore and min. DBSE <sup>3)</sup> |
|------|--------------|---------------------|---------------|------|------------|---------------|-----------|--------------------|-----------------|-----|------|-----|-------------------|----------------------------------------------------------|
|      |              | Max.                | D Min.        | Max. | A          | B             |           |                    |                 |     |      |     |                   |                                                          |
| –    | Nm           | r/min               | mm            |      |            |               |           |                    |                 |     |      |     | Nm                | kg                                                       |
| 00   | 569          | 8 300               | 8             | 51   | 119        |               | 60        | 97                 | 39.4            | 54  | 10.3 | 74  | 22                | 6                                                        |
| 01   | 922          | 7 300               | 8             | 55   | 137        |               | 72        | 110                | 50              | 63  | 11   | 81  | 41                | 9.1                                                      |
| 02   | 1 710        | 6 200               | 8             | 67   | 161        |               | 90        | 129                | 66              | 74  | 12   | 97  | 72                | 16.9                                                     |
| 03   | 3 340        | 5 400               | 8             | 72   | 180        |               | 109       | 141                | 81              | 80  | 14   | 104 | 160               | 21.6                                                     |
| 04   | 6 210        | 4 900               | 8             | 85   | 212        |               | 118       | 150                | 84              | 95  | 17   | 124 | 220               | 35.1                                                     |
| 05   | 6 080        | 3 800               | 8             | 111  | 276        |               | 153       | 255                | 118             | 112 | 17.5 | 161 | 220               | 65.1                                                     |
| 10   | 8 240        | 3 800               | 10            | 111  | 276        | B = 2F + DBSE | 153       | 258                | 115             | 112 | 19   | 161 | 220               | 66.1                                                     |
| 15   | 10 700       | 3 400               | 10            | 133  | 308        |               | 172       | 278                | 134             | 134 | 19   | 193 | 440               | 107.8                                                    |
| 20   | 17 800       | 3 000               | 10            | 152  | 346        |               | 191       | 283                | 146             | 153 | 22.5 | 218 | 570               | 156.8                                                    |
| 25   | 26 400       | 2 800               | 16            | 165  | 375        | B = 2F + DBSE | 223       | 308                | 167             | 165 | 28   | 240 | 1 100             | 211.8                                                    |
| 30   | 33 400       | 2 500               | 16            | 178  | 410        |               | 254       | 319                | 192             | 178 | 31   | 258 | 1 500             | 274.8                                                    |
| 35   | 39 900       | 2 300               | 25            | 187  | 445        |               | 270       | 349                | 208             | 188 | 31   | 272 | 1 700             | 333                                                      |
| 40   | 46 300       | 2 200               | 25            | 205  | 470        | B = 2F + DBSE | 274       | 342                | 206             | 206 | 34   | 297 | 1 700             | 400                                                      |
| 45   | 59 800       | 2 000               | 45            | 231  | 511        |               | 287       | 364                | 216             | 231 | 35.5 | 334 | 1 700             | 525                                                      |
| 50   | 74 700       | 2 000               | 50            | 254  | 556        |               | 292       | 365                | 218             | 254 | 37   | 364 | 3 000             | 676                                                      |
| 55   | 92 600       | 2 000               | 50            | 263  | 587        |               | 311       | 406                | 236             | 364 | 37.5 | 382 | 3 500             | 803                                                      |

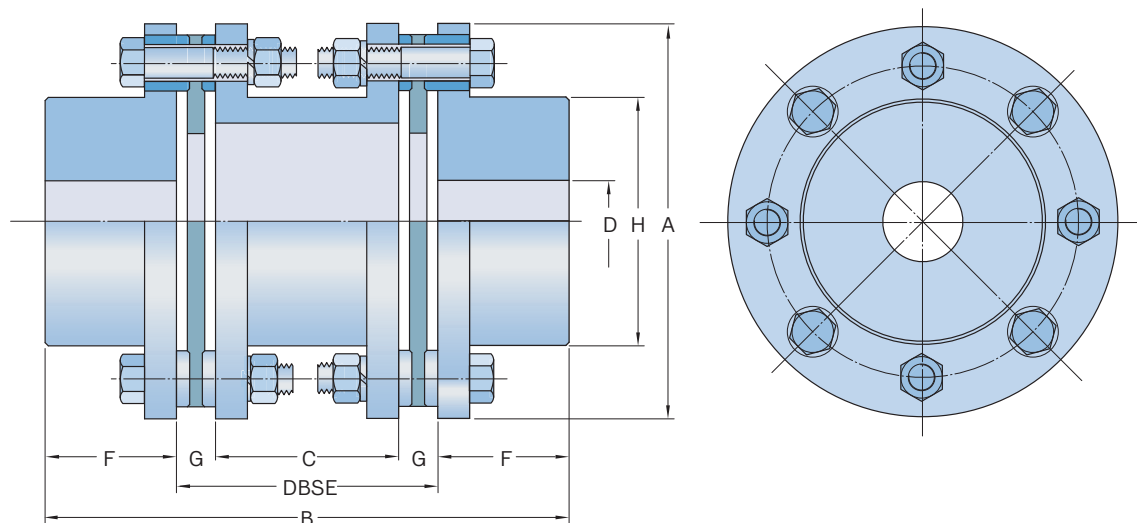
<sup>1)</sup> Higher speeds may be permissible if system is dynamically balanced (with finished bores only)

<sup>2)</sup> For dimensions B, C in type 6F, this varies depending on spacer length

<sup>3)</sup> For coupling weight in type 4F, this varies depending on spacer length

<sup>4)</sup> Preferred standard spacer lengths to both ISO and ANSI standards are available

Disc couplings  
W8 – 8 Bolt double



| Size | Rated torque | Speed <sup>1)</sup> | Bore diameter |      | Dimensions |               | DBSE Min. | Max. <sup>4)</sup> | C <sup>2)</sup> | F   | G    | H   | Tightening torque | Coupling weight without bore and min. DBSE <sup>3)</sup> |
|------|--------------|---------------------|---------------|------|------------|---------------|-----------|--------------------|-----------------|-----|------|-----|-------------------|----------------------------------------------------------|
|      |              | Max.                | D Min.        | Max. | A          | B             |           |                    |                 |     |      |     |                   |                                                          |
| –    | Nm           | r/min               | mm            |      |            |               |           |                    |                 |     |      |     | Nm                | kg                                                       |
| 01   | 3 840        | 4 900               | 8             | 95   | 214        | B = 2F - DBSE | 117       | 240                | 92.6            | 108 | 12.2 | 137 | 72                | 38                                                       |
| 03   | 7 120        | 4 200               | 8             | 108  | 246        |               | 127       | 269                | 99.6            | 121 | 13.7 | 156 | 160               | 56                                                       |
| 05   | 8 970        | 3 800               | 8             | 111  | 276        |               | 153       | 255                | 118             | 134 | 17.5 | 161 | 220               | 73                                                       |
| 10   | 11 800       | 3 800               | 10            | 111  | 276        |               | 153       | 258                | 115             | 134 | 19   | 161 | 220               | 74                                                       |
| 15   | 15 400       | 3 400               | 10            | 133  | 308        |               | 172       | 278                | 134             | 160 | 19   | 193 | 440               | 120                                                      |
| 20   | 25 600       | 3 000               | 10            | 152  | 346        |               | 191       | 283                | 148             | 183 | 21.5 | 218 | 570               | 175                                                      |
| 25   | 37 800       | 2 800               | 16            | 165  | 375        |               | 223       | 306                | 175             | 198 | 24   | 240 | 1 100             | 234                                                      |
| 30   | 47 800       | 2 500               | 16            | 178  | 410        |               | 254       | 319                | 195             | 214 | 29.5 | 258 | 1 500             | 305                                                      |
| 35   | 57 100       | 2 300               | 25            | 187  | 445        |               | 270       | 339                | 211             | 225 | 29.5 | 272 | 1 700             | 368                                                      |
| 40   | 64 400       | 2 200               | 25            | 205  | 470        |               | 274       | 342                | 212             | 247 | 31   | 297 | 1 700             | 448                                                      |
| 45   | 83 700       | 2 000               | 45            | 231  | 511        |               | 287       | 364                | 223             | 278 | 32   | 334 | 1 700             | 592                                                      |
| 50   | 103 000      | 2 000               | 50            | 254  | 556        |               | 292       | 365                | 227             | 305 | 32.5 | 364 | 3 000             | 762                                                      |
| 55   | 128 000      | 2 000               | 50            | 263  | 587        |               | 311       | 406                | 243             | 317 | 34   | 382 | 3 500             | 902                                                      |

<sup>1)</sup> Higher speeds may be permissible if system is dynamically balanced (with finished bores only)

<sup>2)</sup> For dimension C in type 4F, this varies depending on spacer length

<sup>3)</sup> For coupling weight in type 4F, this varies depending on spacer length

<sup>4)</sup> Preferred standard spacer lengths to both ISO and ANSI standards are available

## Floating shaft disc couplings

SKF Floating shaft disc couplings transmit power between widely separated machine shafts, or where large parallel misalignment exists.

Allowable rotational speeds are determined, and limited, by the span and the balance condition of the coupling system. Balancing is necessary for high speeds and long shafts as indicated in the following tables 1 to 3.

Disc floating shaft couplings are also available for vertical applications with

- 1 Do not use floating shaft couplings with long, overhanging shafts.
- 2 Consult SKF for spans greater than 6 000 mm, or for speeds in excess of those indicated in the tables.

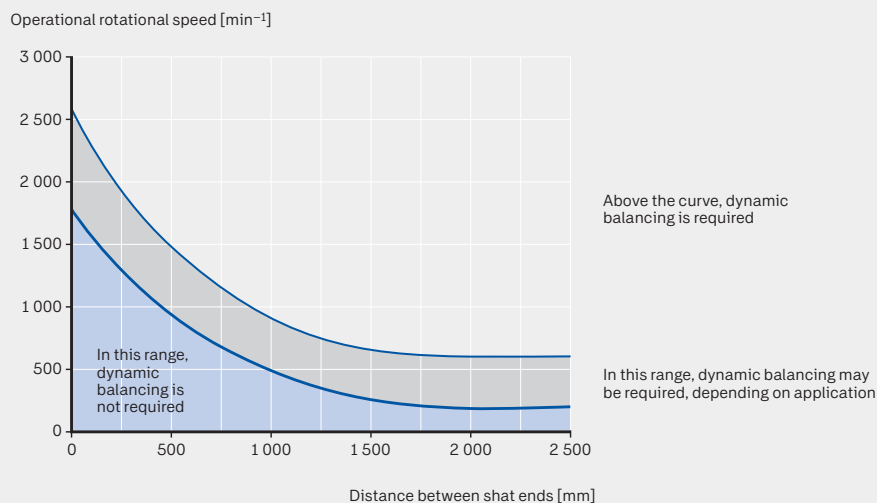


Table 1

### W4F Speed

| Size | Bore<br>Max. | Maximum distance between shaft ends (BE max) for various speeds |       |       |       |       |       |       |       |       |
|------|--------------|-----------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |              | 1800                                                            | 1500  | 1200  | 1000  | 900   | 750   | 720   | 600   | 500   |
| –    | r/min        | r/min                                                           |       |       |       |       |       |       |       |       |
| 010  | 32           | 1 610                                                           | 1 760 | 1 970 | 2 160 | 2 280 | 2 500 | 2 550 | 2 790 | 3 060 |
| 015  | 35           | 1 690                                                           | 1 850 | 2 070 | 2 270 | 2 390 | 2 620 | 2 670 | 2 930 | 3 210 |
| 020  | 42           | 1 880                                                           | 2 050 | 2 300 | 2 520 | 2 650 | 2 910 | 2 970 | 3 250 | 3 560 |
| 025  | 50           | 2 010                                                           | 2 210 | 2 470 | 2 700 | 2 850 | 3 120 | 3 190 | 3 490 | 3 830 |
| 030  | 58           | 2 220                                                           | 2 430 | 2 720 | 2 980 | 3 140 | 3 440 | 3 510 | 3 850 | 4 210 |
| 035  | 74           | 2 500                                                           | 2 740 | 3 060 | 3 350 | 3 540 | 3 870 | 3 950 | 4 330 | 4 750 |
| 040  | 83           | 2 690                                                           | 2 950 | 3 300 | 3 610 | 3 800 | 4 180 | 4 250 | 4 660 | 5 120 |
| 045  | 95           | 2 890                                                           | 3 170 | 3 540 | 3 880 | 4 090 | 4 490 | 4 570 | 5 010 | 5 500 |
| 050  | 109          | 3 100                                                           | 3 400 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 055  | 118          | 3 230                                                           | 3 540 | 3 960 | 4 330 | 4 560 | 5 010 | 5 100 | 5 590 | –     |

For BE dimensions over 6 000 mm, please contact SKF  
Floating shaft couplings should not be used with long overhang shafts

Table 2

W6F Speed

| Size | Bore  | Maximum distance between shaft ends (BE max) for various speeds |       |       |       |       |       |       |       |       |
|------|-------|-----------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|      | Max.  | 1 800                                                           | 1 500 | 1 200 | 1 000 | 900   | 750   | 720   | 600   | 500   |
| –    | r/min | r/min                                                           |       |       |       |       |       |       |       |       |
| 000  | 51    | 2 010                                                           | 2 210 | 2 470 | 2 700 | 2 850 | 3 120 | 3 190 | 3 490 | 3 830 |
| 001  | 55    | 2 220                                                           | 2 430 | 2 720 | 2 980 | 3 140 | 3 440 | 3 510 | 3 850 | 4 210 |
| 002  | 67    | 2 500                                                           | 2 740 | 3 060 | 3 350 | 3 540 | 3 870 | 3 950 | 4 330 | 4 750 |
| 003  | 72    | 2 890                                                           | 3 170 | 3 540 | 3 880 | 4 090 | 4 490 | 4 570 | 5 010 | 5 500 |
| 004  | 85    | 3 100                                                           | 3 400 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 005  | 111   | 3 100                                                           | 3 400 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 010  | 111   | 3 100                                                           | 3 540 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 015  | 133   | 3 230                                                           | 3 540 | 3 960 | 4 330 | 4 560 | 5 010 | 5 100 | 5 590 | –     |
| 020  | 152   | 3 720                                                           | 4 070 | 4 560 | 4 990 | 5 250 | 5 770 | 5 880 | –     | –     |
| 025  | 165   | 3 720                                                           | 4 070 | 4 560 | 4 990 | 5 250 | 5 770 | 5 880 | –     | –     |
| 030  | 178   | 3 860                                                           | 4 030 | 4 510 | 4 940 | 5 200 | 5 710 | 5 810 | –     | –     |
| 035  | 187   | 4 140                                                           | 4 540 | 5 070 | 5 560 | 5 850 | –     | –     | –     | –     |
| 040  | 205   | 4 140                                                           | 4 540 | 5 070 | 5 560 | 5 850 | –     | –     | –     | –     |
| 045  | 231   | 4 530                                                           | 4 960 | 5 540 | –     | –     | –     | –     | –     | –     |
| 050  | 254   | 4 790                                                           | 5 240 | 5 860 | –     | –     | –     | –     | –     | –     |
| 055  | 263   | 4 790                                                           | 5 240 | 5 860 | –     | –     | –     | –     | –     | –     |

For BE dimensions over 6 000 mm, please contact SKF  
Floating shaft couplings should not be used with long overhang shafts

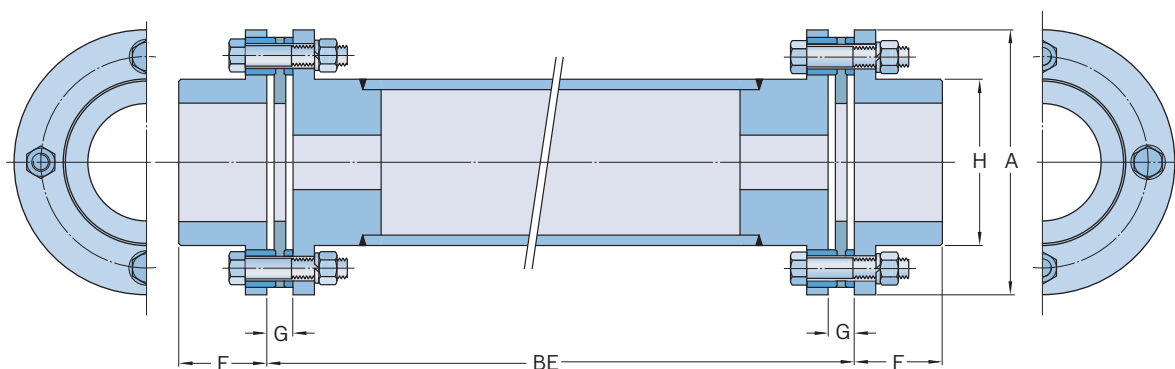
Table 3

W8F Speed

|     | Max.  | 1 800 | 1 500 | 1 200 | 1 000 | 900   | 750   | 720   | 600   | 500   |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| –   | r/min | r/min |       |       |       |       |       |       |       |       |
| 001 | 95    | 2 890 | 3 170 | 3 540 | 3 880 | 4 090 | 4 490 | 4 570 | 5 010 | 5 500 |
| 003 | 108   | 3 100 | 3 400 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 005 | 111   | 3 100 | 3 400 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 010 | 111   | 3 100 | 3 400 | 3 800 | 4 160 | 4 390 | 4 820 | 4 910 | 5 370 | 5 900 |
| 015 | 133   | 3 230 | 3 450 | 3 960 | 4 330 | 4 560 | 5 010 | 5 100 | 5 590 | –     |
| 020 | 152   | 3 720 | 4 070 | 4 560 | 4 990 | 5 250 | 5 770 | 5 880 | –     | –     |
| 025 | 165   | 3 680 | 4 030 | 4 510 | 4 940 | 5 200 | 5 710 | 5 810 | –     | –     |
| 030 | 178   | 3 680 | 4 030 | 4 510 | 4 940 | 5 200 | 5 710 | 5 810 | –     | –     |
| 035 | 187   | 4 100 | 4 490 | 5 020 | 5 500 | 5 790 | –     | –     | –     | –     |
| 040 | 205   | 4 100 | 4 490 | 5 020 | 5 500 | 5 790 | –     | –     | –     | –     |
| 045 | 231   | 4 480 | 4 900 | 5 480 | 6 010 | –     | –     | –     | –     | –     |
| 050 | 254   | 4 730 | 5 180 | 5 800 | –     | –     | –     | –     | –     | –     |
| 055 | 263   | 4 730 | 5 180 | 5 800 | –     | –     | –     | –     | –     | –     |

For BE dimensions over 6 000 mm, please contact SKF  
Floating shaft couplings should not be used with long overhang shafts

# Disc couplings W4 FH – Floating shaft



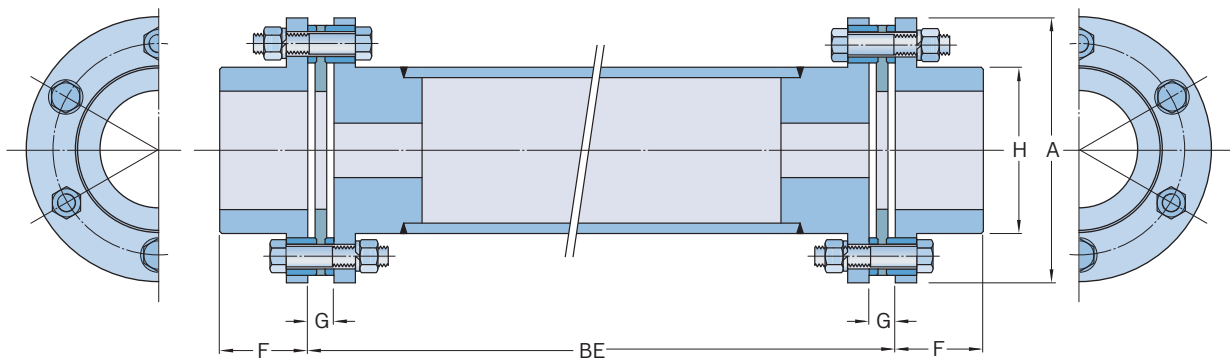
| Size  | Rated torque <sup>2)</sup> | Speed <sup>1)</sup><br>Max. | Bore diameter |      | Dimensions |                       |     |      |     |    |                                 | Tightening torque | Coupling weight without bore and min. DBSE |
|-------|----------------------------|-----------------------------|---------------|------|------------|-----------------------|-----|------|-----|----|---------------------------------|-------------------|--------------------------------------------|
|       |                            |                             | D Min.        | Max. | A          | BE <sup>3)</sup> Min. | F   | G    | H   | J  | C                               |                   |                                            |
| –     | Nm                         | r/min                       | mm            |      |            |                       |     |      |     |    |                                 | Nm                | kg                                         |
| 10 FH | 90.2                       | 10 000                      | 10            | 32   | 81         | 72                    | 25  | 7.1  | 46  | 16 | Dimension varies on BE required | 9                 | Weight varies on length of spacer C        |
| 15 FH | 176.0                      | 10 000                      | 10            | 35   | 93         | 76                    | 29  | 8.4  | 51  | 24 |                                 | 22                |                                            |
| 20 FH | 245.0                      | 10 000                      | 10            | 42   | 104        | 88                    | 34  | 11.0 | 61  | 30 |                                 | 22                |                                            |
| 25 FH | 421.0                      | 8 300                       | 16            | 50   | 126        | 99                    | 41  | 11.2 | 71  | 27 |                                 | 41                |                                            |
| 30 FH | 774.0                      | 7 300                       | 16            | 58   | 143        | 111                   | 48  | 12.5 | 84  | 28 |                                 | 72                |                                            |
| 35 FH | 1 274.0                    | 6 200                       | 25            | 74   | 168        | 142                   | 57  | 16.0 | 106 | 26 |                                 | 72                |                                            |
| 40 FH | 2 058.0                    | 5 400                       | 25            | 83   | 194        | 154                   | 64  | 17.0 | 118 | 30 |                                 | 160               |                                            |
| 45 FH | 3 332.0                    | 4 900                       | 45            | 90   | 214        | 183                   | 76  | 22.8 | 137 | 34 |                                 | 160               |                                            |
| 50 FH | 4 900.0                    | 4 200                       | 50            | 109  | 246        | 211                   | 89  | 24.0 | 156 | 26 |                                 | 220               |                                            |
| 55 FH | 5 880.0                    | 3 800                       | 50            | 118  | 276        | 234                   | 102 | 26.0 | 169 | 42 |                                 | 570               |                                            |

<sup>1)</sup> Maximum rotational speed (r/min) is based on parallel misalignment no more than 2/1 000

<sup>2)</sup> Rated torque is a maximum figure

<sup>3)</sup> For BE dimensions over 6 000 mm, please contact SKF

**Disc couplings**  
**W6 FH – Floating shaft**

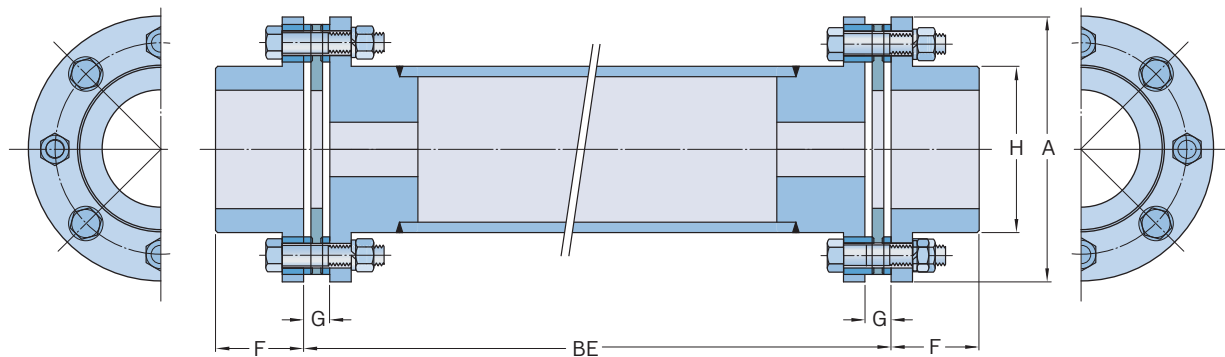


| Size  | Rated torque <sup>2)</sup> | Speed <sup>1)</sup> | Bore diameter |      | Dimensions |     |     |      |     | Tightening torque | Coupling weight without bore and min. DBSE |
|-------|----------------------------|---------------------|---------------|------|------------|-----|-----|------|-----|-------------------|--------------------------------------------|
|       |                            | Max.                | D Min.        | Max. | A          | BE  | F   | G    | H   |                   |                                            |
| –     | Nm                         | r/min               | mm            |      |            |     |     |      |     | Nm                | kg                                         |
| 00 FH | 569                        | 26 000              | 8             | 51   | 119        | 60  | 54  | 10.3 | 74  | 22                | 6.0                                        |
| 01 FH | 922                        | 23 000              | 8             | 55   | 137        | 72  | 63  | 11.0 | 81  | 41                | 9.1                                        |
| 02 FH | 1 710                      | 19 000              | 8             | 67   | 161        | 90  | 74  | 12.0 | 97  | 72                | 16.9                                       |
| 03 FH | 3 340                      | 17 000              | 8             | 72   | 180        | 109 | 80  | 14.0 | 104 | 160               | 21.6                                       |
| 04 FH | 6 210                      | 15 000              | 8             | 85   | 212        | 118 | 95  | 17.0 | 124 | 220               | 35.1                                       |
| 05 FH | 6 080                      | 11 600              | 8             | 111  | 276        | 153 | 112 | 17.5 | 161 | 220               | 65.1                                       |
| 10 FH | 8 240                      | 11 600              | 10            | 111  | 276        | 153 | 112 | 19.0 | 161 | 220               | 66.1                                       |
| 15 FH | 10 700                     | 10 300              | 10            | 133  | 308        | 172 | 134 | 19.0 | 193 | 440               | 107.8                                      |
| 20 FH | 17 800                     | 9 200               | 10            | 152  | 346        | 191 | 153 | 22.5 | 218 | 570               | 156.1                                      |
| 25 FH | 26 400                     | 8 500               | 16            | 165  | 375        | 223 | 165 | 28.0 | 240 | 1 100             | 211.8                                      |
| 30 FH | 33 400                     | 7 800               | 16            | 178  | 410        | 254 | 178 | 31.0 | 258 | 1 500             | 274.5                                      |
| 35 FH | 39 900                     | 7 200               | 25            | 187  | 445        | 270 | 188 | 31.0 | 272 | 1 700             | 333.3                                      |
| 40 FH | 46 300                     | 6 800               | 25            | 205  | 470        | 274 | 206 | 34.0 | 297 | 1 700             | 399.2                                      |
| 45 FH | 59 800                     | 6 200               | 45            | 231  | 511        | 287 | 231 | 35.5 | 334 | 1 700             | 525.3                                      |
| 50 FH | 74 700                     | 5 700               | 50            | 254  | 556        | 292 | 254 | 37.0 | 364 | 3 000             | 676.3                                      |
| 55 FH | 92 600                     | 5 400               | 50            | 263  | 587        | 311 | 263 | 37.5 | 382 | 3 500             | 803.4                                      |

<sup>1)</sup> Maximum rotational speed (r/min) is based on parallel misalignment no more than 2/1 000

<sup>2)</sup> Rated torque is a maximum figure

Disc couplings  
W8 FH – Floating shaft



| Size | Rated torque <sup>2)</sup> | Speed <sup>1)</sup><br>Max. | Bore diameter |      | Dimensions |                  |     |      |     | Tightening torque | Coupling weight without bore and min. DBSE |
|------|----------------------------|-----------------------------|---------------|------|------------|------------------|-----|------|-----|-------------------|--------------------------------------------|
|      |                            |                             | D Min.        | Max. | A          | BE <sup>4)</sup> | F   | G    | H   |                   |                                            |
| –    | Nm                         | r/min                       | mm            |      |            |                  |     |      |     | Nm                | kg                                         |
| 01FH | 3 840                      | 15 000                      | 8             | 51   | 119        | 240              | 54  | 10.3 | 74  | 22                | 6.0                                        |
| 03FH | 7 120                      | 13 000                      | 8             | 55   | 137        | 269              | 63  | 11.0 | 81  | 41                | 9.1                                        |
| 05FH | 8 970                      | 11 600                      | 8             | 67   | 161        | 255              | 74  | 12.0 | 97  | 72                | 16.9                                       |
| 10FH | 11 800                     | 11 600                      | 8             | 72   | 180        | 258              | 80  | 14.0 | 104 | 160               | 21.6                                       |
| 15FH | 15 400                     | 10 300                      | 8             | 85   | 212        | 278              | 95  | 17.0 | 124 | 220               | 35.1                                       |
| 20FH | 25 600                     | 9 200                       | 10            | 111  | 276        | 283              | 112 | 17.5 | 161 | 220               | 65.1                                       |
| 25FH | 37 800                     | 8 500                       | 16            | 111  | 276        | 308              | 112 | 19.0 | 161 | 220               | 66.1                                       |
| 30FH | 47 800                     | 7 800                       | 16            | 133  | 308        | 319              | 134 | 19.0 | 193 | 440               | 107.8                                      |
| 35FH | 57 100                     | 7 200                       | 25            | 152  | 346        | 339              | 153 | 22.5 | 218 | 570               | 156.1                                      |
| 40FH | 64 400                     | 6 800                       | 25            | 165  | 375        | 342              | 165 | 28.0 | 240 | 1100              | 211.8                                      |
| 45FH | 83 700                     | 6 200                       | 45            | 178  | 410        | 364              | 178 | 31.0 | 258 | 1500              | 274.5                                      |
| 50FH | 103 000                    | 5 700                       | 50            | 187  | 445        | 365              | 188 | 31.0 | 272 | 1700              | 333.3                                      |
| 55FH | 128 000                    | 5 400                       | 50            | 205  | 470        | 408              | 206 | 34.0 | 297 | 1700              | 399.2                                      |

<sup>1)</sup> Maximum rotational speed (r/min) is based on parallel misalignment no more than 2/1 000

<sup>2)</sup> Rated torque is a maximum figure

<sup>3)</sup> The actual BE value will be determined by the customer

<sup>4)</sup> For BE dimensions over 6 000 mm, please contact SKF

Floating shaft couplings should not be used with long overhang shafts

SKF Flex couplings are designed to accommodate misalignment and shock loads and dampen vibration levels. These easy to install, maintenance-free couplings are available with either a machined-to-size or tapered bore.

Couplings with a tapered bore can be Face (F) mounted or Hub (H) mounted. The more versatile Reversible (R) design can be either face or hub mounted depending on the application. These couplings are also available with a tapered bushing.

SKF Flex couplings consist of 2 flanges and 1 tyre. The flanges are phosphate coated for improved corrosion resistance. The addition of a standard sized spacer flange can be used to accommodate applications where it is advantageous to move either shaft axially without disturbing driving or driven machines.

SKF Flex tyres are available in natural rubber compounds for applications ranging from –50 to +50 °C. Chloroprene rubber compounds should be used in applications where exposure to greases and oils are likely. These compounds can accommodate temperatures ranging from –15 to +70 °C. The chloroprene tyres should be used where fire-resistance and anti-static (F.R.A.S.) properties are required.

#### Assembled coupling characteristics

| Coupling size | Maximum speed | Mass tyre | Inertia           | Torsional stiffness | Misalignment |          |       | Nominal torque | Max torque | Screw size | Clamping screw torque |
|---------------|---------------|-----------|-------------------|---------------------|--------------|----------|-------|----------------|------------|------------|-----------------------|
|               |               |           |                   |                     | Angular      | Parallel | Axial |                |            |            |                       |
| –             | r/min         | kg        | kg/m <sup>2</sup> | Nm/°                | °            | mm       |       | Nm             |            | –          | Nm                    |
| 40            | 4 500         | 0.1       | 0.00074           | 5                   | 4            | 1.1      | 1.3   | 24             | 64         | M6         | 15                    |
| 50            | 4 500         | 0.3       | 0.00115           | 13                  | 4            | 1.3      | 1.7   | 66             | 160        | M6         | 15                    |
| 60            | 4 000         | 0.5       | 0.0052            | 26                  | 4            | 1.6      | 2.0   | 127            | 318        | M6         | 15                    |
| 70            | 3 600         | 0.7       | 0.009             | 41                  | 4            | 1.9      | 2.3   | 250            | 487        | M8         | 24                    |
| 80            | 3 100         | 1.0       | 0.017             | 63                  | 4            | 2.1      | 2.6   | 375            | 759        | M8         | 24                    |
| 90            | 3 000         | 1.1       | 0.031             | 91                  | 4            | 2.4      | 3.0   | 500            | 1 096      | M10        | 40                    |
| 100           | 2 600         | 1.1       | 0.054             | 126                 | 4            | 2.6      | 3.3   | 675            | 1 517      | M10        | 40                    |
| 110           | 2 300         | 1.4       | 0.078             | 178                 | 4            | 2.9      | 3.7   | 875            | 2 137      | M10        | 40                    |
| 120           | 2 050         | 2.3       | 0.013             | 296                 | 4            | 3.2      | 4.0   | 1 330          | 3 547      | M12        | 50                    |
| 140           | 1 800         | 2.6       | 0.255             | 470                 | 4            | 3.7      | 4.6   | 2 325          | 5 642      | M12        | 55                    |
| 160           | 1 600         | 3.4       | 0.38              | 778                 | 4            | 4.2      | 5.3   | 3 770          | 9 339      | M16        | 80                    |
| 180           | 1 500         | 7.7       | 0.847             | 1 371               | 4            | 4.8      | 6.0   | 6 270          | 16 455     | M16        | 105                   |
| 200           | 1 300         | 8.0       | 1.281             | 1 959               | 4            | 5.3      | 6.6   | 9 325          | 23 508     | M16        | 120                   |
| 220           | 1 100         | 10.0      | 2.104             | 2 760               | 4            | 5.8      | 7.3   | 11 600         | 33 125     | M20        | 165                   |
| 250           | 1 000         | 15.0      | 3.505             | 3 562               | 4            | 6.6      | 8.2   | 14 675         | 42 740     | M20        | 165                   |

#### Order data

| Coupling type     | Flanges       | Qty | Element       | Qty | Coupling bushing number | Qty              | Spacer flange and shaft <sup>1)</sup> | Qty              | Spacer bushing number | Qty            |   |
|-------------------|---------------|-----|---------------|-----|-------------------------|------------------|---------------------------------------|------------------|-----------------------|----------------|---|
| RSB both sides    | PHE F70RSBFLG | 2   | PHE F70NRTYRE | or  | 1                       | –                | –                                     | –                | –                     | –              |   |
|                   | –             | –   | PHE F70FRTYRE | –   | –                       | –                | –                                     | –                | –                     | –              |   |
| RSB/F combination | PHE F70RSBFLG | 1   | PHE F70NRTYRE | or  | 1                       | –                | –                                     | –                | –                     | –              |   |
|                   | PHE F70FTBFLG | 1   | PHE F70FRTYRE | –   | PHF TB2012X...MM        | 1                | PHE SM25-...DBSE                      | 1                | PHF 2517X...MM        | 1              |   |
| RSB/H combination | PHE F70RSBFLG | 1   | PHE F70NRTYRE | or  | 1                       | –                | –                                     | –                | –                     | –              |   |
|                   | PHE F70HTBFLG | 1   | PHE F70FRTYRE | –   | PHF TB1610X...MM        | 1                | PHE SM25-...DBSE                      | 1                | PHF 2517X...MM        | 1              |   |
| F/F combination   | PHE F70FTBFLG | 1   | PHE F70NRTYRE | or  | 1                       | PHF TB2012X...MM | 1                                     | PHE SM25-...DBSE | 1                     | PHF 2517X...MM | 1 |
|                   | PHE F70FTBFLG | 1   | PHE F70FRTYRE | –   | PHF TB2012X...MM        | 1                | –                                     | –                | –                     | –              |   |
| H/H combination   | PHE F70HTBFLG | 1   | PHE F70NRTYRE | or  | 1                       | PHF TB1610X...MM | 1                                     | PHE SM25-...DBSE | 1                     | PHF 2517X...MM | 1 |
|                   | PHE F70HTBFLG | 1   | PHE F70FRTYRE | –   | PHF TB1610X...MM        | 1                | –                                     | –                | –                     | –              |   |
| F/H combination   | PHE F70FTBFLG | 1   | PHE F70NRTYRE | or  | 1                       | PHF TB1610X...MM | 1                                     | PHE SM25-...DBSE | 1                     | PHF 2517X...MM | 1 |
|                   | PHE F70HTBFLG | 1   | PHE F70FRTYRE | –   | PHF TB2012X...MM        | 1                | –                                     | –                | –                     | –              |   |
| Reversible        | PHE F70RTBFLG | 2   | PHE F70NRTYRE | –   | PHF TB1610X...MM        | 2                | –                                     | –                | –                     | –              |   |

<sup>1)</sup> To complete designation, add distance between shaft ends. PHE SM25-100DBSE.

An SKF Flex coupling consists of 2 flanges and 1 tyre. An SKF Flex spacer coupling consists of 2 flanges, 1 tyre and 1 spacer (spacer part number consists of spacer shaft and rigid flange).

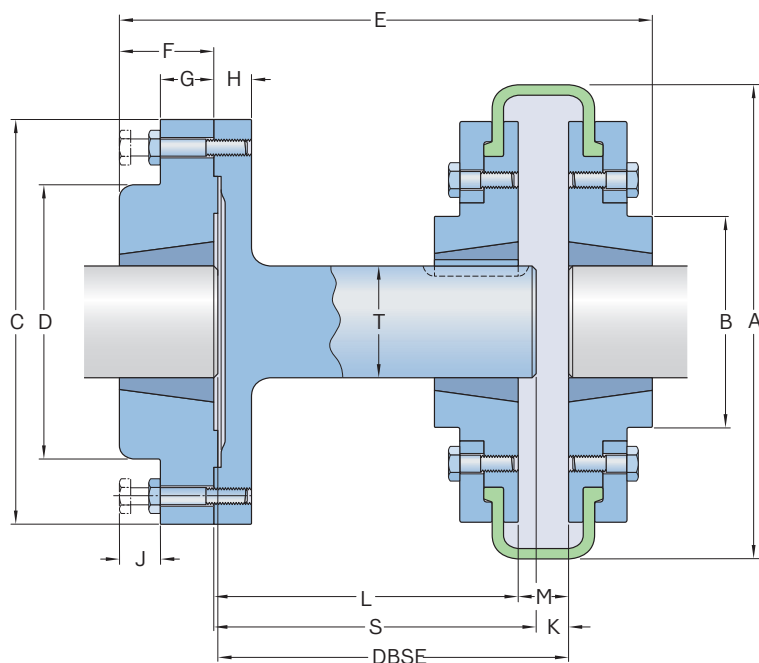


## SKF Flex spacer coupling

The SKF Flex coupling spacer is used to join two shafts ends that cannot be positioned close enough to allow use of just a coupling.

The spacer also allows removal of a shaft without the need to move either the driving or the driven machine. For example, this allows easy and fast replacement of impellers in pump applications.

| Coupling size | Distance between shaft ends (DBSE) |      | Spacer bushing number | Bore |      | Coupling bushing number | Bore |      | Designation      |
|---------------|------------------------------------|------|-----------------------|------|------|-------------------------|------|------|------------------|
|               | Nominal                            | Max. |                       | Min. | Max. |                         | Min. | Max. |                  |
| mm            |                                    |      |                       |      |      |                         |      |      |                  |
| 40            | 80                                 | 90   | 1 210                 | 11   | 32   | 1 008                   | 9    | 25   | PHE SM12-80DBSE  |
| 40            | 100                                | 110  | 1 210                 | 11   | 32   | 1 008                   | 9    | 25   | PHE SM12-100DBSE |
| 40            | 100                                | 113  | 1 615                 | 14   | 42   | 1 008                   | 9    | 25   | PHE SM16-100DBSE |
| 40            | 140                                | 150  | 1 615                 | 14   | 42   | 1 008                   | 9    | 25   | PHE SM16-140DBSE |
| 50            | 100                                | 116  | 1 615                 | 14   | 42   | 1 210                   | 11   | 32   | PHE SM16-100DBSE |
| 50            | 140                                | 156  | 1 615                 | 14   | 42   | 1 210                   | 11   | 32   | PHE SM16-140DBSE |
| 60            | 100                                | 124  | 1 615                 | 14   | 42   | 1 610                   | 14   | 42   | PHE SM16-100DBSE |
| 60            | 140                                | 164  | 1 615                 | 14   | 42   | 1 610                   | 14   | 42   | PHE SM16-140DBSE |
| 70            | 100                                | 114  | 2 517                 | 16   | 60   | 2 012                   | 14   | 50   | PHE SM25-100DBSE |
| 70            | 140                                | 154  | 2 517                 | 16   | 60   | 2 012                   | 14   | 50   | PHE SM25-140DBSE |
| 70            | 180                                | 194  | 2 517                 | 16   | 60   | 2 012                   | 14   | 50   | PHE SM25-180DBSE |
| 80            | 100                                | 117  | 2 517                 | 16   | 60   | 2 517                   | 16   | 60   | PHE SM25-100DBSE |
| 80            | 140                                | 157  | 2 517                 | 16   | 60   | 2 517                   | 16   | 60   | PHE SM25-140DBSE |
| 80            | 180                                | 197  | 2 517                 | 16   | 60   | 2 517                   | 16   | 60   | PHE SM25-180DBSE |
| 90            | 140                                | 158  | 2 517                 | 16   | 60   | 2 517                   | 16   | 60   | PHE SM25-140DBSE |
| 90            | 180                                | 198  | 2 517                 | 16   | 60   | 2 517                   | 16   | 60   | PHE SM25-180DBSE |
| 100           | 140                                | 158  | 3 020                 | 25   | 75   | 3 020                   | 25   | 75   | PHE SM30-140DBSE |
| 100           | 180                                | 198  | 3 020                 | 25   | 75   | 3 020                   | 25   | 75   | PHE SM30-180DBSE |
| 110           | 140                                | 156  | 3 020                 | 25   | 75   | 3 020                   | 25   | 75   | PHE SM30-140DBSE |
| 110           | 180                                | 196  | 3 020                 | 25   | 75   | 3 020                   | 25   | 75   | PHE SM30-180DBSE |
| 120           | 140                                | 160  | 3 525                 | 35   | 100  | 3 525                   | 35   | 100  | PHE SM35-140DBSE |
| 120           | 180                                | 200  | 3 525                 | 35   | 100  | 3 525                   | 35   | 100  | PHE SM35-180DBSE |
| 140           | 140                                | 163  | 3 525                 | 35   | 100  | 3 525                   | 35   | 100  | PHE SM35-140DBSE |
| 140           | 180                                | 203  | 3 525                 | 35   | 100  | 3 525                   | 35   | 100  | PHE SM35-180DBSE |



| Coupling size | Dimensions |     |     |     |     |    |    |    |    |    |     |    |     |    |                  | Designation |
|---------------|------------|-----|-----|-----|-----|----|----|----|----|----|-----|----|-----|----|------------------|-------------|
|               | A          | B   | C   | D   | E   | F  | G  | H  | J  | K  | L   | M  | S   | T  |                  |             |
| mm            | —          |     |     |     |     |    |    |    |    |    |     |    |     |    |                  |             |
| 40            | 104        | 82  | 118 | 83  | 134 | 25 | 14 | 15 | 14 | 6  | 65  | 22 | 77  | 25 | PHE SM12-80DBSE  |             |
| 40            | 104        | 82  | 118 | 83  | 140 | 25 | 14 | 15 | 14 | 22 | 77  | 22 | 77  | 25 | PHE SM12-100DBSE |             |
| 401)          | 104        | 82  | 127 | 80  | 157 | 38 | 18 | 15 | 14 | 9  | 88  | 22 | 94  | 32 | PHE SM16-100DBSE |             |
| 401)          | 104        | 82  | 127 | 80  | 187 | 38 | 18 | 15 | 14 | 9  | 128 | 22 | 134 | 32 | PHE SM16-140DBSE |             |
| 50            | 133        | 79  | 127 | 80  | 160 | 38 | 18 | 15 | 14 | 9  | 85  | 25 | 94  | 32 | PHE SM16-100DBSE |             |
| 50            | 133        | 79  | 127 | 80  | 200 | 38 | 18 | 15 | 14 | 9  | 125 | 25 | 134 | 32 | PHE SM16-140DBSE |             |
| 60            | 165        | 103 | 127 | 80  | 161 | 38 | 18 | 15 | 14 | 9  | 78  | 33 | 94  | 32 | PHE SM16-100DBSE |             |
| 60            | 165        | 103 | 127 | 80  | 201 | 38 | 18 | 15 | 14 | 9  | 118 | 33 | 134 | 32 | PHE SM16-140DBSE |             |
| 702)          | 187        | 80  | 178 | 123 | 180 | 45 | 22 | 16 | 14 | 9  | 80  | 23 | 94  | 48 | PHE SM25-100DBSE |             |
| 702)          | 187        | 80  | 178 | 123 | 220 | 45 | 22 | 16 | 14 | 9  | 120 | 23 | 174 | 48 | PHE SM25-140DBSE |             |
| 702)          | 187        | 80  | 178 | 123 | 260 | 45 | 22 | 16 | 14 | 9  | 160 | 23 | 174 | 48 | PHE SM25-180DBSE |             |
| 80            | 211        | 95  | 178 | 123 | 193 | 45 | 22 | 16 | 14 | 9  | 78  | 25 | 94  | 48 | PHE SM25-100DBSE |             |
| 80            | 211        | 95  | 178 | 123 | 233 | 45 | 22 | 16 | 14 | 9  | 118 | 25 | 134 | 48 | PHE SM25-140DBSE |             |
| 80            | 211        | 95  | 178 | 123 | 273 | 45 | 22 | 16 | 14 | 9  | 158 | 25 | 174 | 48 | PHE SM25-180DBSE |             |
| 90            | 235        | 108 | 178 | 123 | 233 | 45 | 22 | 16 | 14 | 9  | 116 | 27 | 134 | 48 | PHE SM25-140DBSE |             |
| 90            | 235        | 108 | 178 | 123 | 273 | 45 | 22 | 16 | 14 | 9  | 156 | 27 | 174 | 48 | PHE SM25-180DBSE |             |
| 100           | 254        | 120 | 216 | 146 | 245 | 51 | 29 | 20 | 17 | 9  | 116 | 27 | 134 | 60 | PHE SM30-140DBSE |             |
| 100           | 254        | 120 | 216 | 146 | 285 | 51 | 29 | 20 | 17 | 9  | 156 | 27 | 174 | 60 | PHE SM30-180DBSE |             |
| 110           | 279        | 134 | 216 | 146 | 245 | 51 | 29 | 20 | 17 | 9  | 118 | 25 | 134 | 60 | PHE SM30-140DBSE |             |
| 110           | 279        | 134 | 216 | 146 | 285 | 51 | 29 | 20 | 17 | 9  | 158 | 25 | 174 | 60 | PHE SM30-180DBSE |             |
| 120           | 314        | 140 | 248 | 178 | 272 | 63 | 34 | 20 | 17 | 9  | 114 | 29 | 134 | 80 | PHE SM35-140DBSE |             |
| 120           | 314        | 140 | 248 | 178 | 312 | 63 | 34 | 20 | 17 | 9  | 154 | 29 | 174 | 80 | PHE SM35-180DBSE |             |
| 140           | 359        | 178 | 248 | 178 | 271 | 63 | 34 | 20 | 17 | 9  | 111 | 27 | 134 | 80 | PHE SM35-140DBSE |             |
| 140           | 359        | 178 | 248 | 178 | 312 | 63 | 34 | 20 | 17 | 9  | 151 | 27 | 174 | 80 | PHE SM35-180DBSE |             |

1) "B" Flange must be used to fit spacer shaft  
 2) "F" Flange must be used to fit spacer shaft

## Chain couplings

Chain couplings are able to transmit higher torque than their shafts, making them ideal for high torque applications. Available with a pilot bore, finished bore or tapered bushing (face or hub), flanges are linked together with duplex roller chains enabling them to accommodate up to 2 degrees of misalignment.

To provide maximum service life and reliability, particularly for high speed applications, SKF recommends fitting all chain couplings with a cover and lubricating them properly. If a chain coupling is to be subjected to reversing operations, shock or pulsating loads, or other severe operating conditions, select a coupling one size larger than normal.

### Power ratings

| Size                         | Torque                             | r/min               | Bore |      | kW ratings at given r/min |      |      |      |       |        |      |      |      |      |        |       |       |       |      |       |      |      |      |      |
|------------------------------|------------------------------------|---------------------|------|------|---------------------------|------|------|------|-------|--------|------|------|------|------|--------|-------|-------|-------|------|-------|------|------|------|------|
|                              | Max.                               | Max.                | Min. | Max. | 1                         | 5    | 10   | 25   | 50    | 100    | 200  | 300  | 400  | 500  | 600    | 800   | 1000  | 1200  | 1800 | 2500  | 3000 | 3600 | 4000 | 4800 |
| –                            | Nm                                 | r/min <sup>1)</sup> | mm   |      | kW                        |      |      |      |       |        |      |      |      |      |        |       |       |       |      |       |      |      |      |      |
| CR4012 <sup>2)</sup>         | 217                                | 5 000               | 11   | 22   | 0.02                      | 0.11 | 0.22 | 0.56 | 1.15  | 1.73   | 2.63 | 3.46 | 4.15 | 4.96 | 5.67   | 7.01  | 8.53  | 9.68  | 13.7 | 17.9  | 20.7 | 24.1 | 26.3 | 30.8 |
| CR4014 <sup>2)</sup>         | 295                                | 5 000               | 11   | 58   | 0.03                      | 0.16 | 0.32 | 0.79 | 1.58  | 2.38   | 3.59 | 4.72 | 5.66 | 6.77 | 7.72   | 9.56  | 11.64 | 13.21 | 18.7 | 24.4  | 28.3 | 32.9 | 35.9 | 42.1 |
| CR4016                       | 419                                | 4 800               | 14   | 32   | 0.04                      | 0.21 | 0.41 | 1.03 | 2.06  | 3.09   | 4.69 | 6.17 | 7.41 | 8.85 | 10.1   | 12.5  | 15.3  | 17.3  | 24.3 | 31.9  | 37   | 43   | 46.9 | 54.9 |
| CR5014 <sup>2)</sup>         | 580                                | 4 000               | 16   | 35   | 0.06                      | 0.3  | 0.6  | 1.5  | 3     | 4.48   | 6.8  | 8.95 | 10.7 | 12.8 | 14.7   | 18.1  | 22.1  | 25.1  | 35.4 | 46.2  | 53.6 | 62.4 | –    | –    |
| CR5016                       | 791                                | 3 600               | 16   | 40   | 0.08                      | 0.39 | 0.78 | 1.95 | 3.91  | 5.86   | 8.92 | 11.7 | 14.1 | 16.8 | 19.2   | 23.8  | 28.9  | 32.9  | 46.3 | 60.6  | 70.4 | 81.6 | –    | –    |
| CR5018                       | 979                                | 3 000               | 16   | 45   | 0.1                       | 0.5  | 0.99 | 2.48 | 4.95  | 7.43   | 11.3 | 14.9 | 17.8 | 21.3 | 24.4   | 30.1  | 36.6  | 41.6  | 57.8 | 76.8  | 89.2 | –    | –    | –    |
| CR6018                       | 1 810                              | 2 500               | 20   | 55   | 0.18                      | 0.93 | 1.87 | 4.67 | 9.33  | 14     | 21.3 | 28   | 33.6 | 40.1 | 45.9   | 56.8  | 69.1  | 78.4  | 111  | 145   | –    | –    | –    | –    |
| CR6020                       | 2 210                              | 2 500               | 20   | 60   | 0.21                      | 1.08 | 2.17 | 5.42 | 10.82 | 16.2   | 24.7 | 32.5 | 38   | 46.5 | 53.2   | 65.9  | 80.2  | 90.9  | 149  | 168.2 | –    | –    | –    | –    |
| CR6022                       | 2 610                              | 2 500               | 20   | 71   | 0.25                      | 1.25 | 2.51 | 6.31 | 12.5  | 18.8   | 28.6 | 37.7 | 45.3 | 54.1 | 61.9   | 76.5  | 93.1  | 105   | 246  | 195   | –    | –    | –    | –    |
| CR8018                       | 3 920                              | 2 000               | 20   | 80   | 0.41                      | 2.07 | 4.14 | 10.3 | 20.7  | 31     | 47.2 | 62.1 | 74.5 | 89   | 101    | 126   | 153   | 174   | 352  | –     | –    | –    | –    | –    |
| CR8020                       | 4 800                              | 2 000               | 20   | 90   | 0.48                      | 2.44 | 4.89 | 12.2 | 24.4  | 36.6   | 55.7 | 73.3 | 87.9 | 105  | 119.2  | 148.7 | 180.5 | 205.3 | 554  | –     | –    | –    | –    | –    |
| CR8022 <sup>2)</sup>         | 5 580                              | 2 000               | 40   | 100  | 0.59                      | 2.96 | 5.83 | 14.8 | 29.5  | 44.5   | 67.2 | 89   | 106  | 127  | 146    | 180   | 219   | 249   | 352  | –     | –    | –    | –    | –    |
| CR10020                      | 8 400                              | 1 800               | 25   | 110  | 0.93                      | 4.66 | 9.33 | 23.3 | 46.6  | 70     | 106  | 140  | 168  | 200  | 229    | 283   | 345   | 392   | –    | –     | –    | –    | –    | –    |
| CR12018                      | 12 700                             | 1 500               | 35   | 125  | 1.4                       | 7.02 | 14.0 | 35.1 | 70.2  | 105    | 160  | 210  | 252  | 302  | 345    | 426   | 519   | 590   | –    | –     | –    | –    | –    | –    |
| CR12022                      | 18 300                             | 1 250               | 35   | 140  | 1.81                      | 9.07 | 18.1 | 45.3 | 90.7  | 136    | 206  | 272  | 326  | 390  | 446    | 551   | 671   | 762   | –    | –     | –    | –    | –    | –    |
| Recommended lubrication type |                                    |                     |      |      | Type 1                    |      |      |      |       | Type 2 |      |      |      |      | Type 3 |       |       |       |      |       |      |      |      |      |
| Type                         | Frequency                          |                     |      |      |                           |      |      |      |       |        |      |      |      |      |        |       |       |       |      |       |      |      |      |      |
| 1                            | Grease monthly                     |                     |      |      |                           |      |      |      |       |        |      |      |      |      |        |       |       |       |      |       |      |      |      |      |
| 2                            | Grease weekly, or use with cover   |                     |      |      |                           |      |      |      |       |        |      |      |      |      |        |       |       |       |      |       |      |      |      |      |
| 3                            | Use with fully grease-packed cover |                     |      |      |                           |      |      |      |       |        |      |      |      |      |        |       |       |       |      |       |      |      |      |      |

### Order data

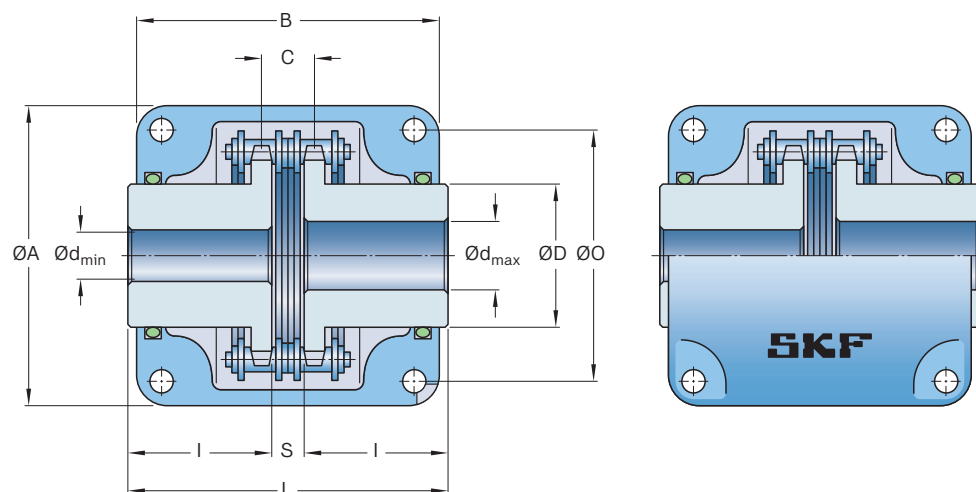
| Size    | Hub            |          |                   |          |                   |          |                             |     |                | Chain | Covers           |     |
|---------|----------------|----------|-------------------|----------|-------------------|----------|-----------------------------|-----|----------------|-------|------------------|-----|
| –       | Plain Bore     | Qty      | FTB <sup>1)</sup> | Qty      | HTB <sup>1)</sup> | Qty      | Bored to size <sup>2)</sup> | Qty |                | Qty   | Qty              | Qty |
| CR4016  | PHE CR4016RSB  | 2 and/or | PHE CR4016FTB     | 2 and/or | PHE CR4016HTB     | 2 and/or | PHE CR4016X...              | 2   | PHE CR4016CHN  | 1     | PHE CR4016COVER  | 1   |
| CR5016  | PHE CR5016RSB  | 2 and/or | –                 | 2 and/or | –                 | 2 and/or | PHE CR5016X...              | 2   | PHE CR5016CHN  | 1     | PHE CR5016COVER  | 1   |
| CR5018  | PHE CR5018RSB  | 2 and/or | PHE CR5018FTB     | 2 and/or | PHE CR5018HTB     | 2 and/or | PHE CR5018X...              | 2   | PHE CR5018CHN  | 1     | PHE CR5018COVER  | 1   |
| CR6018  | PHE CR6018RSB  | 2 and/or | –                 | 2 and/or | –                 | 2 and/or | PHE CR6018X...              | 2   | PHE CR6018CHN  | 1     | PHE CR6018COVER  | 1   |
| CR6020  | PHE CR6020RSB  | 2 and/or | PHE CR6020FTB     | 2 and/or | PHE CR6020HTB     | 2 and/or | PHE CR6020X...              | 2   | PHE CR6020CHN  | 1     | PHE CR6020COVER  | 1   |
| CR6022  | PHE CR6022RSB  | 2 and/or | –                 | 2 and/or | –                 | 2 and/or | PHE CR6022X...              | 2   | PHE CR6022CHN  | 1     | PHE CR6022COVER  | 1   |
| CR8018  | PHE CR8018RSB  | 2 and/or | –                 | 2 and/or | –                 | 2 and/or | PHE CR8018X...              | 2   | PHE CR8018CHN  | 1     | PHE CR8018COVER  | 1   |
| CR8020  | PHE CR8020RSB  | 2 and/or | PHE CR8020FTB     | 2 and/or | PHE CR8020HTB     | 2 and/or | PHE CR8020X...              | 2   | PHE CR8020CHN  | 1     | PHE CR8020COVER  | 1   |
| CR10020 | PHE CR10020RSB | 2 and/or | PHE CR10020FTB    | 2 and/or | PHE CR10020HTB    | 2 and/or | PHE CR10020X...             | 2   | PHE CR10020CHN | 1     | PHE CR10020COVER | 1   |
| CR12018 | PHE CR12018RSB | 2 and/or | –                 | 2 and/or | –                 | 2 and/or | PHE CR12018X...             | 2   | PHE CR12018CHN | 1     | PHE CR12018COVER | 1   |
| CR12022 | PHE CR12022RSB | 2 and/or | –                 | 2 and/or | –                 | 2 and/or | PHE CR12022X...             | 2   | PHE CR12022CHN | 1     | PHE CR12022COVER | 1   |

<sup>1)</sup> The maximum speeds indicated are for the couplings operating with covers installed.

<sup>2)</sup> Items are on request only, and may be subject to minimum order quantity

# Chain couplings

## JIS (ANSI) standard



| Coupling size           | Capacity   |            | Bore |      | Dimensions |     |       |     |      |     |     | Inertia | Weight             |      |
|-------------------------|------------|------------|------|------|------------|-----|-------|-----|------|-----|-----|---------|--------------------|------|
|                         | Nominal Mt | Max. RPM   | Min. | Max. | ØA         | B   | L     | I   | S    | ØD  | ØO  |         |                    | C    |
|                         |            | with cover |      |      |            |     |       |     |      |     |     |         |                    |      |
| —                       | Nm         | r/min      | mm   |      |            |     |       |     |      |     |     |         | Kgf·m <sup>2</sup> | kg   |
| CR4012 <sup>1) 2)</sup> | 249        | 4 800      | 12   | 22   | 77         | 72  | 79.4  | 36  | 7.4  | 33  | 61  | 14.4    | 1.02               | 8    |
| CR4014 <sup>1) 2)</sup> | 329        | 4 800      | 12   | 28   | 84         | 75  | 79.4  | 36  | 7.4  | 43  | 69  | 14.4    | 1.93               | 11   |
| CR4016 <sup>1)</sup>    | 419        | 4 800      | 14   | 32   | 92         | 75  | 87.4  | 40  | 7.4  | 48  | 77  | 14.4    | 3.29               | 1.4  |
| CR5014 <sup>1) 2)</sup> | 620        | 3 600      | 16   | 35   | 101        | 85  | 99.7  | 45  | 9.7  | 53  | 86  | 18.1    | 6.01               | 2.2  |
| CR5016 <sup>1)</sup>    | 791        | 3 600      | 16   | 40   | 111        | 85  | 99.7  | 45  | 9.7  | 60  | 96  | 18.1    | 9.72               | 2.7  |
| CR5018 <sup>1)</sup>    | 979        | 3 000      | 16   | 45   | 122        | 85  | 123.5 | 45  | 9.7  | 70  | 106 | 18.1    | 15.42              | 3.8  |
| CR6018 <sup>1)</sup>    | 1 810      | 2 500      | 20   | 55   | 142        | 106 | 123.5 | 56  | 11.5 | 85  | 128 | 22.8    | 40.21              | 6.2  |
| CR6020                  | 2 210      | 2 500      | 20   | 60   | 158        | 105 | 123.5 | 56  | 11.5 | 96  | 140 | 22.8    | 62.87              | 7.8  |
| CR6022 <sup>1)</sup>    | 2 610      | 2 500      | 20   | 70   | 168        | 117 | 141.2 | 56  | 11.5 | 110 | 152 | 22.8    | 93.45              | 10.4 |
| CR8018 <sup>1)</sup>    | 3 920      | 2 000      | 20   | 80   | 190        | 128 | 145.2 | 63  | 15.2 | 110 | 170 | 29.3    | 142.1              | 12.7 |
| CR8020                  | 4 800      | 2 000      | 20   | 90   | 210        | 137 | 157.2 | 65  | 15.2 | 121 | 186 | 29.3    | 204.9              | 16.0 |
| CR8022 <sup>1) 2)</sup> | 5 640      | 1 800      | 20   | 100  | 226        | 137 | 178.8 | 71  | 15.2 | 140 | 202 | 29.3    | 341.2              | 20.2 |
| CR10020 <sup>1)</sup>   | 8 400      | 1 800      | 25   | 110  | 281        | 153 | 202.7 | 80  | 18.8 | 180 | 233 | 35.8    | 646.3              | 33.0 |
| CR12018 <sup>1)</sup>   | 12 700     | 1 500      | 35   | 125  | 307        | 181 | 202.7 | 90  | 22.7 | 170 | 256 | 45.4    | 1075.7             | 47.0 |
| CR12022 <sup>1)</sup>   | 18 300     | 1 250      | 35   | 140  | 357        | 181 | 222.7 | 100 | 22.7 | 210 | 304 | 45.4    | 2454.5             | 72.0 |

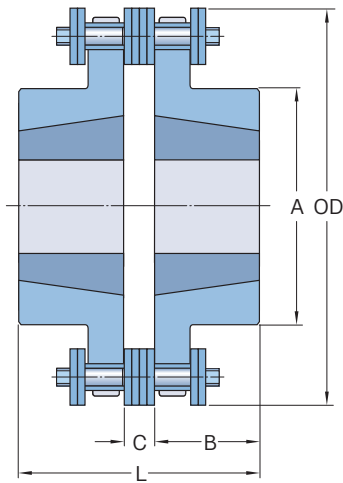
<sup>1)</sup> Indicates according to JIS standard (with ANSI chain)

<sup>2)</sup> Items are on request only, and may be subject to minimum order quantity

Components on the ISO (IS) and JIS series of chain couplings are not interchangeable

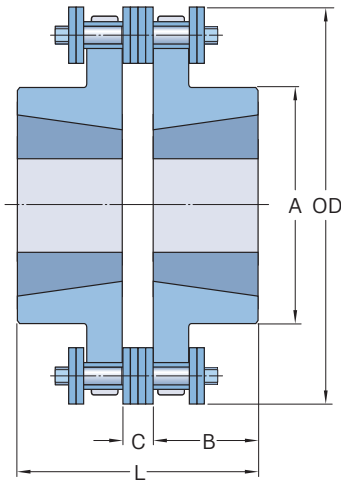
## Chain couplings

JIS (ANSI) standard with taper bush mounting



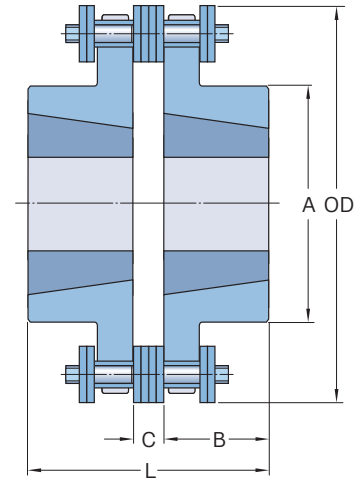
Assembly configuration FF

Taper bushes internally mounted  
FTB + FTB (preferred)



Assembly configuration HH

Taper bushes externally mounted  
HTB + HTB



Assembly configuration FH

1 x Taper bush internally mounted  
1 x Taper bush externally mounted FTB + HTB

| Coupling size | Taper bush | Capacity with taper bush |          | Bore    |         | Overall width | Hub width | Hub gap | Hub diameter | Diameter over chain | Weight with cover |
|---------------|------------|--------------------------|----------|---------|---------|---------------|-----------|---------|--------------|---------------------|-------------------|
|               |            | Nominal Mt               | Max. RPM | Ød min. | Ød max. | L             | B         | C       | ØA           | ØO                  |                   |
| –             | –          | Nm                       | r/min    | mm      |         |               |           |         |              |                     | kg                |
| CR4016 1)     | 1 108      | 147                      | 4 800    | 9       | 28      | 51.8          | 22.2      | 7.4     | 50           | 77                  | 1.13              |
| CR5018 1)     | 1 610      | 485                      | 3 000    | 14      | 42      | 60.5          | 25.4      | 9.7     | 75.5         | 106                 | 2.75              |
| CR6020        | 2 012      | 810                      | 2 500    | 14      | 50      | 75.1          | 31.8      | 11.5    | 98.5         | 140                 | 5.71              |
| CR8020        | 3 020      | 2 710                    | 2 000    | 25      | 80      | 116.8         | 50.8      | 15.2    | 136.5        | 186                 | 14.2              |
| CR10020 1)    | 3 535      | 5 060                    | 1 800    | 35      | 90      | 196.6         | 88.9      | 18.8    | 170.7        | 233                 | 35.4              |

<sup>1)</sup> Indicates according to JIS standard (with ANSI chain)

Larger sizes are available on request, and are subject to minimum order quantity

Max. RPM stated is for couplings with covers and correctly lubricated. Without covers recommended max. speeds are approx. 20% of the given speeds.

Important note: As above couplings with taper-bush mounting have reduced torque capacity to that of the relevant taper bush. Check capacities.

## FRC couplings

With a higher load capacity than jaw couplings and maintenance-free operation, FRC couplings are designed as a general purpose coupling. They are able to cushion moderate shock loads, dampen low levels of vibration and accommodate incidental misalignment. FRC couplings offer a range of hub and element selection to meet the demand for low cost, general purpose flexible coupling.

FRC couplings are phosphate coated for improved corrosion resistance and available with fire-resistant and anti-static elements (FRAS) FRC couplings are available with a pilot bore, finished bore or tapered bushing (face or hub) to make installation quick and simple.

Fully machined outside surfaces allow alignment with a simple straight edge. Shaft connections are fail safe due to their interlocking jaw design.

C

### Assembled coupling characteristics

| Size | Assembled length comprising flange types |       |       | Mass  | Inertia           | Torsional stiffness | Misalignment | Parallel | Axial | Nominal torque | Max torque |
|------|------------------------------------------|-------|-------|-------|-------------------|---------------------|--------------|----------|-------|----------------|------------|
|      | FF,FH,HH                                 | FB,HB | BB    |       |                   |                     |              |          |       |                |            |
| –    | mm                                       |       |       | kg    | kg/m <sup>2</sup> | Nm/°                | °            | mm       |       | Nm             |            |
| 70   | 65.0                                     | 65.0  | 65.0  | 1.00  | 0.00085           | –                   | 1            | 0.3      | 0.2   | 31.5           | 72         |
| 90   | 69.5                                     | 76.0  | 82.5  | 1.17  | 0.00115           | –                   | 1            | 0.3      | 0.5   | 80.0           | 180        |
| 110  | 82.0                                     | 100.5 | 119.0 | 5.00  | 0.004             | 65                  | 1            | 0.3      | 0.6   | 160.0          | 360        |
| 130  | 89.0                                     | 110.0 | 131.0 | 5.46  | 0.0078            | 130                 | 1            | 0.4      | 0.8   | 315.0          | 720        |
| 150  | 107.0                                    | 129.5 | 152.0 | 7.11  | 0.0181            | 175                 | 1            | 0.4      | 0.9   | 600.0          | 1 500      |
| 180  | 142.0                                    | 165.5 | 189.0 | 16.60 | 0.0434            | 229                 | 1            | 0.4      | 1.1   | 950.0          | 2 350      |
| 230  | 164.5                                    | 202.0 | 239.5 | 26.00 | 0.1207            | 587                 | 1            | 0.5      | 1.3   | 2 000.0        | 5 000      |
| 280  | 207.5                                    | 246.5 | 285.5 | 50.00 | 0.4465            | 1 025               | 1            | 0.5      | 1.7   | 3 150.0        | 7 200      |

Mass is for an FF, FH or HH coupling with mid range taper bushes.

### Order data

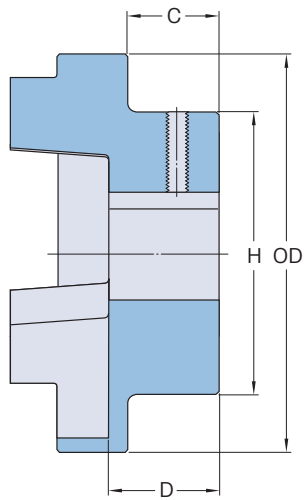
| Coupling type     | Flanges      | Qty | Element     | Qty  | Taper bush       | Qty |
|-------------------|--------------|-----|-------------|------|------------------|-----|
| RSB both sides    | PHE FRC70RSB | 2   | PHE FRC70NR | or 1 | –                | –   |
|                   | –            | –   | PHE FRC70FR | –    | –                | –   |
| RSB/F combination | PHE FRC70RSB | 1   | PHE FRC70NR | or 1 | PHF TB1008X...MM | 1   |
|                   | PHE FRC70FTB | 1   | PHE FRC70FR | –    | –                | 1   |
| RSB/H combination | PHE FRC70RSB | 1   | PHE FRC70NR | 1    | PHF TB1008X...MM | 1   |
|                   | PHE FRC70HTB | 1   | PHE FRC70FR | –    | –                | 1   |
| F/F combination   | PHE FRC70FTB | 1   | PHE FRC70NR | or 1 | PHF TB1008X...MM | 1   |
|                   | PHE FRC70FTB | 1   | PHE FRC70FR | –    | PHF TB1008X...MM | 1   |
| H/H combination   | PHE FRC70HTB | 1   | PHE FRC70NR | or 1 | PHF TB1008X...MM | 1   |
|                   | PHE FRC70HTB | 1   | PHE FRC70FR | –    | PHF TB1008X...MM | 1   |
| F/H combination   | PHE FRC70FTB | 1   | PHE FRC70NR | or 1 | PHF TB1008X...MM | 1   |
|                   | PHE FRC70HTB | 1   | PHE FRC70FR | –    | PHF TB1008X...MM | 1   |

NR = Nitrile rubber

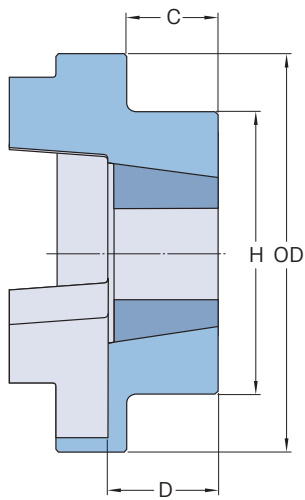
FR = Fire-resistant and anti-static (FRAS)

A complete FRC coupling consists of: 2 hubs and 1 element.

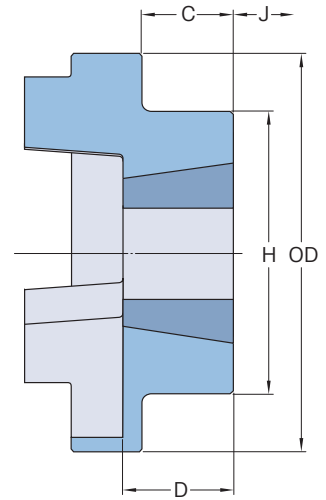
## FRC couplings



Type B



Type F



Type H

| Coupling size | Dimensions |     | Type F, H<br>Bushing<br>size | Bore |      | C    | D    | J <sup>1)</sup> | Type B       |               | Key<br>screw | C  | D     | Hub designation |                      |               |
|---------------|------------|-----|------------------------------|------|------|------|------|-----------------|--------------|---------------|--------------|----|-------|-----------------|----------------------|---------------|
|               | OD         | H   |                              | Min. | Max. |      |      |                 | Bore<br>Max. | Bore<br>Pilot |              |    |       | Type F          | Type H<br>Pilot bore | Type B        |
| –             | mm         |     |                              |      |      |      |      |                 |              |               |              |    |       | –               |                      |               |
| 70            | 69         | 60  | 1 008                        | 9    | 25   | 20   | 23.5 | 29              | 32           | 10            | M6           | 20 | 25.8  | PHE FRC70FTB    | PHE FRC70HTB         | PHE FRC70RSB  |
| 90            | 85         | 70  | 1 108                        | 9    | 28   | 19.5 | 23.5 | 29              | 38           | 10            | M6           | 26 | 30    | PHE FRC90FTB    | PHE FRC90HTB         | PHE FRC90RSB  |
| 110           | 112        | 100 | 1 610                        | 14   | 42   | 18.5 | 26.5 | 38              | 55           | 10            | M10          | 37 | 45.3  | PHE FRC110FTB   | PHE FRC110HTB        | PHE FRC110RSB |
| 130           | 130        | 105 | 1 610                        | 14   | 42   | 18   | 26.5 | 38              | 60           | 20            | M10          | 39 | 47.5  | PHE FRC130FTB   | PHE FRC130HTB        | PHE FRC130RSB |
| 150           | 150        | 115 | 2 012                        | 14   | 50   | 23.5 | 33.5 | 42              | 70           | 28            | M10          | 46 | 60    | PHE FRC150FTB   | PHE FRC150HTB        | PHE FRC150RSB |
| 180           | 180        | 125 | 2 517                        | 16   | 60   | 34.5 | 46.5 | 48              | 80           | 28            | M10          | 58 | 70    | PHE FRC180FTB   | PHE FRC180HTB        | PHE FRC180RSB |
| 230           | 225        | 155 | 3 020                        | 25   | 75   | 39.5 | 52.5 | 55              | 100          | 45            | M12          | 77 | 90    | PHE FRC230FTB   | PHE FRC230HTB        | PHE FRC230RSB |
| 280           | 275        | 206 | 3 525                        | 35   | 100  | 51   | 66.5 | 67              | 115          | 55            | M16          | 90 | 105.5 | PHE FRC280FTB   | PHE FRC280HTB        | PHE FRC280RSB |

<sup>1)</sup> Clearance required for tightening/loosening the bushing on the shaft

## Jaw couplings

Jaw couplings provide a cost-effective solution for standard power applications, helping to cushion moderate shock loads and dampen low vibration levels.

Maintenance-free and easy to install, jaw couplings are available with a snap wrap element allowing element replacement in situ.

Urethane and Hytrel elements have a greater power rating than nitrile elements and are recommended for applications where a compact, high torque solution is required.

Standard bore and keyway chart

| Bore | Keyway   | Coupling Size |    |    |    |    |     |     |     |     |     |
|------|----------|---------------|----|----|----|----|-----|-----|-----|-----|-----|
|      |          | 50            | 70 | 75 | 90 | 95 | 100 | 110 | 150 | 190 | 225 |
| mm   |          | –             |    |    |    |    |     |     |     |     |     |
| 9    | 3 × 1.4  | X             | X  | X  | X  | –  | –   | –   | –   | –   | –   |
| 10   | 3 × 1.4  | X             | X  | X  | X  | –  | –   | –   | –   | –   | –   |
| 11   | 4 × 1.8  | X             | X  | X  | X  | –  | –   | –   | –   | –   | –   |
| 12   | 4 × 1.8  | X             | X  | X  | X  | X  | –   | –   | –   | –   | –   |
| 14   | 5 × 2.3  | X             | X  | X  | X  | X  | X   | –   | –   | –   | –   |
| 15   | 5 × 2.3  | –             | X  | X  | X  | X  | X   | –   | –   | –   | –   |
| 16   | 5 × 2.3  | –             | X  | X  | X  | X  | X   | X   | X   | –   | –   |
| 17   | 5 × 2.3  | –             | X  | X  | X  | X  | X   | X   | X   | –   | –   |
| 18   | 6 × 2.8  | –             | X  | X  | X  | X  | X   | X   | X   | –   | –   |
| 19   | 6 × 2.8  | –             | X  | X  | X  | X  | X   | X   | X   | X   | –   |
| 20   | 6 × 2.8  | –             | –  | X  | X  | X  | X   | X   | X   | X   | –   |
| 22   | 6 × 2.8  | –             | –  | X  | X  | X  | X   | X   | X   | X   | –   |
| 24   | 8 × 3.3  | –             | –  | –  | X  | X  | X   | X   | X   | X   | X   |
| 25   | 8 × 3.3  | –             | –  | –  | –  | X  | X   | X   | X   | X   | X   |
| 28   | 8 × 3.3  | –             | –  | –  | –  | X  | X   | X   | X   | X   | X   |
| 30   | 8 × 3.3  | –             | –  | –  | –  | –  | X   | X   | X   | X   | X   |
| 32   | 10 × 3.3 | –             | –  | –  | –  | –  | X   | X   | X   | X   | X   |
| 35   | 10 × 3.3 | –             | –  | –  | –  | –  | X   | X   | X   | X   | X   |
| 38   | 10 × 3.3 | –             | –  | –  | –  | –  | X   | X   | X   | X   | X   |
| 40   | 12 × 3.3 | –             | –  | –  | –  | –  | –   | X   | X   | X   | X   |
| 42   | 12 × 3.3 | –             | –  | –  | –  | –  | –   | X   | X   | X   | X   |
| 45   | 14 × 3.8 | –             | –  | –  | –  | –  | –   | –   | X   | X   | X   |
| 48   | 14 × 3.8 | –             | –  | –  | –  | –  | –   | –   | X   | X   | X   |
| 50   | 14 × 3.8 | –             | –  | –  | –  | –  | –   | –   | –   | X   | X   |
| 55   | 16 × 4.3 | –             | –  | –  | –  | –  | –   | –   | –   | X   | X   |
| 60   | 18 × 4.4 | –             | –  | –  | –  | –  | –   | –   | –   | –   | X   |

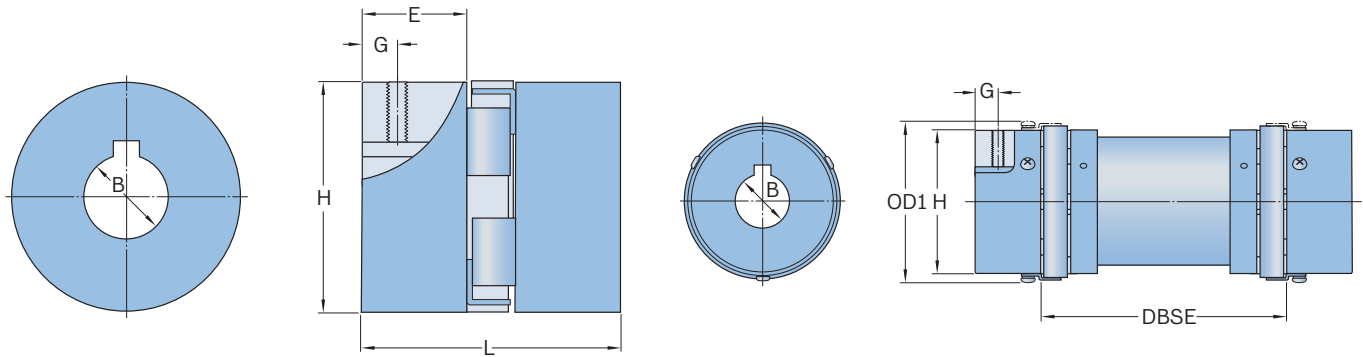
Order data

| Coupling type                          | Flanges            | Qty | Element       | Qty | Spacer shaft         | Qty | Nitrile wrap element | Qty | Ring kit        | Qty |
|----------------------------------------|--------------------|-----|---------------|-----|----------------------|-----|----------------------|-----|-----------------|-----|
| RSB both sides                         | PHE L095HUB        | 2   | PHE L095NR or | 1   | PHE L090X ... SPACER | 1   | PHE L090NRWRAP       | 2   | PHE L090RINGKIT | 2   |
|                                        | –                  | –   | PHE L095UR    | –   | –                    | –   | –                    | –   | –               | –   |
|                                        | –                  | –   | PHE L095HL    | –   | –                    | –   | –                    | –   | –               | –   |
| Bore with keyway/RSB combination       | PHE L095HUB        | 1   | PHE L095NR or | 1   | PHE L090X ... SPACER | 1   | PHE L090NRWRAP       | 2   | PHE L090RINGKIT | 2   |
|                                        | PHE L095 – ... MM  | 1   | PHE L095UR    | –   | –                    | –   | –                    | –   | –               | –   |
|                                        | –                  | –   | PHE L095HL    | –   | –                    | –   | –                    | –   | –               | –   |
| Bore with keyway on both sides         | PHE L095 – ... MM  | 2   | PHE L095NR or | 1   | PHE L090X ... SPACER | 1   | PHE L090NRWRAP       | 2   | PHE L090RINGKIT | 2   |
|                                        | –                  | –   | PHE L095UR    | –   | –                    | –   | –                    | –   | –               | –   |
|                                        | –                  | –   | PHE L095HL    | –   | –                    | –   | –                    | –   | –               | –   |
| Bore only/RSB combination              | PHE L095 – ... MMP | 1   | PHE L095NR or | 1   | PHE L090X ... SPACER | 1   | PHE L090NRWRAP       | 2   | PHE L090RINGKIT | 2   |
|                                        | PHE L095HUB        | 1   | PHE L095UR    | –   | –                    | –   | –                    | –   | –               | –   |
|                                        | –                  | –   | PHE L095HL    | –   | –                    | –   | –                    | –   | –               | –   |
| Bore only                              | PHE L095 – ... MMP | 2   | PHE L095NR or | 1   | PHE L090X ... SPACER | 1   | PHE L090NRWRAP       | 2   | PHE L090RINGKIT | 2   |
|                                        | –                  | –   | PHE L095UR    | –   | –                    | –   | –                    | –   | –               | –   |
|                                        | –                  | –   | PHE L095HL    | –   | –                    | –   | –                    | –   | –               | –   |
| Bore only/bore with keyway combination | PHE L095 – ... MMP | 1   | PHE L095NR or | 1   | PHE L090X ... SPACER | 1   | PHE L090NRWRAP       | 2   | PHE L090RINGKIT | 2   |
|                                        | PHE L095 – ... MM  | 1   | PHE L095UR    | –   | –                    | –   | –                    | –   | –               | –   |
|                                        | –                  | –   | PHE L095HL    | –   | –                    | –   | –                    | –   | –               | –   |

NR = Nitrile  
UR = Urethane  
HL = Hytrel®

A complete jaw coupling consists of: 2 hubs and 1 element and a complete coupling with spacer consists of 2 hubs, 2 nitrile elements, 2 ring kits and 1 spacer. Available spacer shaft lengths are 100 mm and 140 mm. To complete the designation, add spacer length. For example: PHE L090X100SPACER for spacer of 100 mm, coupling size 090. When ordering bored to size and keywayed hubs, it is required that the bore diameter is added to the designation found in the table above. Where a keyway is NOT required, the designation should be suffixed with a P. PHE L150-18MM = Hub Size 150 with 18 mm bore and keyway. PHE L070-16MMP = Hub Size 070 with 16 mm bore (no keyway).

## Jaw couplings



Hub

Spacer

| Size | Dimensions |       |                   |     |       |      |       |      | Set screw | Approx mass <sup>2)</sup> | Speed  | Designation |
|------|------------|-------|-------------------|-----|-------|------|-------|------|-----------|---------------------------|--------|-------------|
|      | Bore       | Pilot |                   |     |       |      |       |      |           |                           |        |             |
|      | Max.       | OD    | OD1 <sup>1)</sup> | L   | E     | H    | G     |      |           | Max.                      |        |             |
| –    | mm         |       |                   |     |       |      |       | –    | kg        | r/min                     | –      |             |
| 35   | 3.20       | 9.5   | 15.9              | –   | 20.6  | 6.7  | 15.9  | –    | –         | 0.03                      | 31 000 | PHE L035HUB |
| 50   | 6.35       | 14.0  | 27.5              | –   | 44.0  | 16.0 | 27.5  | 6.5  | M6        | 0.05                      | 18 000 | PHE L050HUB |
| 70   | 9.00       | 19.0  | 35.0              | –   | 51.0  | 19.0 | 35.0  | 9.5  | M6        | 0.13                      | 14 000 | PHE L070HUB |
| 75   | 9.00       | 24.0  | 44.5              | –   | 54.0  | 21.0 | 44.5  | 9.0  | M6        | 0.22                      | 11 000 | PHE L075HUB |
| 90   | 9.00       | 24.0  | 54.0              | –   | 54.0  | 21.0 | 54.0  | 8.7  | M6        | 0.28                      | 9 000  | PHE L090HUB |
| 95   | 9.00       | 28.0  | 54.0              | 64  | 64.0  | 25.0 | 54.0  | 11.0 | M8        | 0.28                      | 9 000  | PHE L095HUB |
| 100  | 12.70      | 35.0  | 65.0              | 77  | 89.0  | 35.0 | 65.0  | 11.0 | M8        | 0.75                      | 7 000  | PHE L100HUB |
| 110  | 15.87      | 42.0  | 84.0              | 97  | 108.0 | 43.0 | 84.0  | 19.0 | M10       | 1.50                      | 5 000  | PHE L110HUB |
| 150  | 15.87      | 48.0  | 96.0              | 112 | 115.0 | 45.0 | 96.0  | 22.0 | M10       | 2.40                      | 4 000  | PHE L150HUB |
| 190  | 19.05      | 55.0  | 115.0             | 130 | 133.0 | 54.0 | 102.0 | 22.0 | M12       | 3.50                      | 3 600  | PHE L190HUB |
| 225  | 19.05      | 60.0  | 127.0             | 143 | 153.0 | 64.0 | 108.0 | 29.0 | M12       | 4.50                      | 3 600  | PHE L225HUB |

<sup>1)</sup> Outer diameter of ring kit

<sup>2)</sup> Mass of hub with pilot bores

DBSE = Distance between shaft ends

Hub material is high grade cast iron. Spacer material is aluminium.

## Universal joints

SKF universal joints, also known as pin and block couplings, are commonly used for low to medium torque industrial, off-road and agricultural applications.

These couplings offer an economical solution for applications up to 1 800 r/min and will provide working angles of up to 25% or 35% for manual drives. SKF offers these couplings with a solid bore from stock; bored to size, square, hexagonal and round bores on request. The couplings are available in either a single (UJMA) or double (UJMB) configuration.

### Order data

| Universal joint type | Size       | Qty |
|----------------------|------------|-----|
| Single               | PHE UJMA10 | 1   |
| Double               | PHE UJMB20 | 1   |

Available on request with finish bore, finish bore with keyway, hexagonal bore or square bore, e.g. the designations as shown below:

Universal joints with finish bore H7, with keyway (BSX30MM) – PHE UJMB45BSX30MM

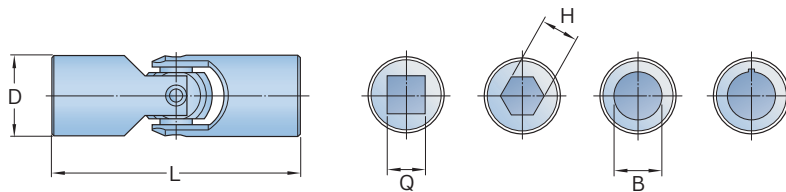
Universal joints with finish bore H7, without keyway (X30MM) – PHE UJMB45X30MM

Universal joints with hexagonal bore (HBX30MM) – PHE UJMB45HBX30MM

Universal joints with square bore (SBX30MM) – PHE UJMB45SBX30MM

## Universal joints

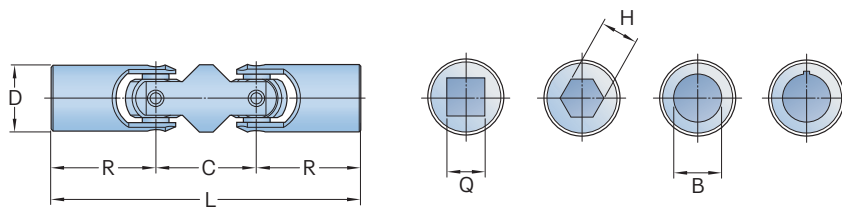
### Single universal joints | Double universal joints



| Size | Dimensions |    |    |    |    |        |                    | Static breaking torque | Designation |
|------|------------|----|----|----|----|--------|--------------------|------------------------|-------------|
|      | L          | D  | B  | Q  | H  | B Max. | B with keyway Max. |                        |             |
| –    | mm         |    |    |    |    |        |                    | Nm                     | –           |
| 10   | 38         | 10 | 6  | 6  | 6  | 6      | –                  | 13.5                   | PHE UJMA10  |
| 13   | 45         | 13 | 8  | 8  | 8  | 8      | –                  | 26                     | PHE UJMA13  |
| 16   | 52         | 16 | 8  | 8  | 8  | 10     | 8                  | 45                     | PHE UJMA16  |
| 20   | 62         | 20 | 10 | 10 | 10 | 13     | 11                 | 88                     | PHE UJMA20  |
| 25   | 74         | 25 | 12 | 12 | 12 | 16     | 14                 | 180                    | PHE UJMA25  |
| 32   | 86         | 32 | 16 | 16 | 16 | 22     | 18                 | 405                    | PHE UJMA32  |
| 40   | 108        | 40 | 20 | 20 | 20 | 25     | 22                 | 860                    | PHE UJMA40  |
| 45   | 120        | 45 | 20 | 20 | 20 | 30     | 25                 | 1 250                  | PHE UJMA45  |
| 50   | 132        | 50 | 25 | 25 | 25 | 35     | 30                 | 1 730                  | PHE UJMA50  |
| 63   | 166        | 63 | 32 | 32 | –  | 45     | 35                 | 3 400                  | PHE UJMA63  |
| 75   | 190        | 75 | 40 | 40 | –  | 55     | 45                 | 5 300                  | PHE UJMA75  |

Standard is without bore.

Available on request with finish bore H7 – on request with keyway (B), hexagonal bore (H) or square bore (Q)



| Size | Dimensions |      |    |     |           |           |                     |    |    | Static<br>breaking<br>torque | Designation |
|------|------------|------|----|-----|-----------|-----------|---------------------|----|----|------------------------------|-------------|
|      | L          | R    | D  | C   | Bore<br>B | B<br>Max. | With keyway<br>Max. | Q  | H  |                              |             |
| –    | mm         |      |    |     |           |           |                     |    |    | Nm                           | –           |
| 13   | 68         | 22.5 | 13 | 23  | 8         | 8         | –                   | 8  | 8  | 26                           | PHE UJMB13  |
| 16   | 77         | 26.0 | 16 | 25  | 8         | 10        | 8                   | 8  | 8  | 45                           | PHE UJMB16  |
| 20   | 92         | 31.0 | 20 | 30  | 10        | 13        | 11                  | 10 | 10 | 88                           | PHE UJMB20  |
| 25   | 110        | 37.0 | 25 | 36  | 12        | 16        | 14                  | 12 | 12 | 180                          | PHE UJMB25  |
| 32   | 133        | 43.0 | 32 | 47  | 16        | 22        | 18                  | 16 | 16 | 405                          | PHE UJMB32  |
| 40   | 164        | 54.0 | 40 | 56  | 20        | 25        | 22                  | 20 | 20 | 860                          | PHE UJMB40  |
| 45   | 183        | 60.0 | 45 | 63  | 20        | 30        | 25                  | 20 | 20 | 1 250                        | PHE UJMB45  |
| 50   | 202        | 66.0 | 50 | 70  | 25        | 35        | 30                  | 25 | 25 | 1 730                        | PHE UJMB50  |
| 63   | 250        | 83.0 | 63 | 84  | 32        | 45        | 35                  | 32 | –  | 3 400                        | PHE UJMB63  |
| 75   | 290        | 95.0 | 75 | 100 | 40        | 55        | 45                  | 40 | –  | 5 300                        | PHE UJMB75  |

Standard is without bore.

Available on request with finish bore H7 – on request with keyway (B), hexagonal bore (H) or square bore (Q)





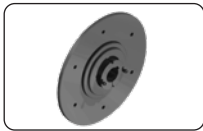
# Bushings and Hubs



Taper bushings ..... 150



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QD Bushings ..... 154



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FX Keyless bushings ..... 157



SH bushings ..... 185

D

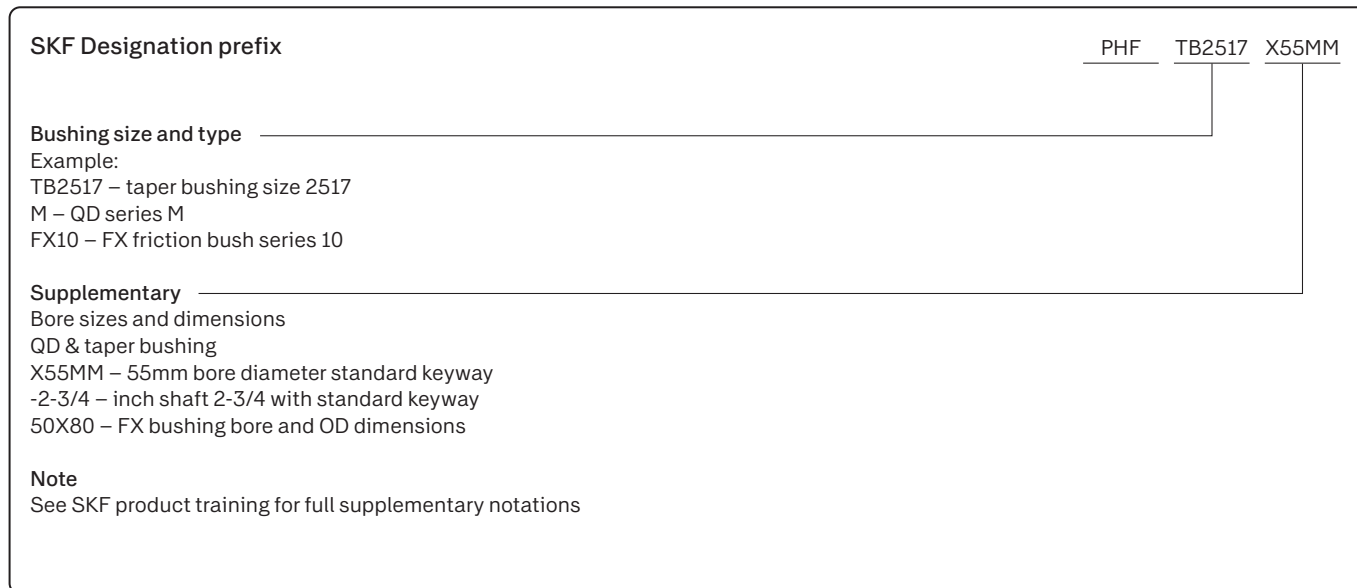


## SKF Bushings

SKF bushing range nomenclature has a defined prefix of PHF. The bushing range is covered by limited standards, but main SKF range is interchangeable with other brands.

## Bushings

The bushing range designation from SKF has the following is an example to indicate set up.



## Bushings and Hubs (PHF Product Group)

SKF Taper bushings, QD bushings, Weld-on and Bolt-on hubs are manufactured according to established market standards and are fully interchangeable with other brands.

Metric bore keyway machined according to BS 4235: Part 1 and DIN 6885.

Imperial bore keyway machined according to BS 46: Part 1.

Phosphate coating and blackening are used to improved corrosion resistance, excluding FX and SH bushings.

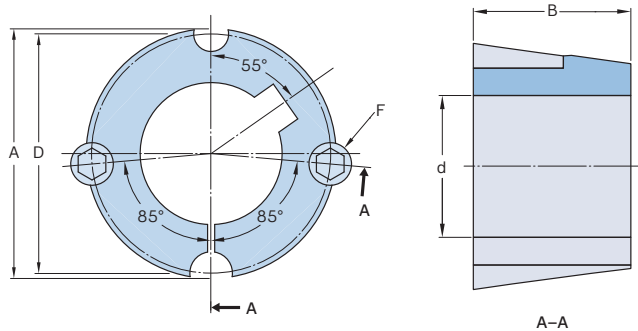
### Main materials used in bushings and hubs

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Taper bushing            | Grey cast iron G3000                                     |
| QD bushing               | Grey cast iron G3000.<br>Available in GGG50 ductile iron |
| Weld on and Bolt on hubs | Grey cast iron G3000                                     |
| FX Bushings              | C45 Steel                                                |
| SH Bushings              | Steel alloy                                              |

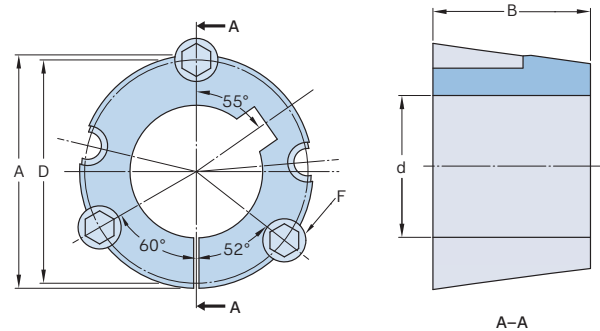
Bushings are also available in steel (AISI 1045) on request. An MOQ may apply.

## Taper bushings

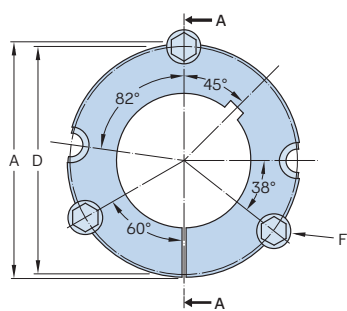
Bushing number 1008 – 120100



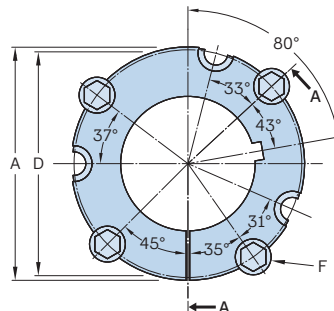
1008-3030<sup>3)</sup>



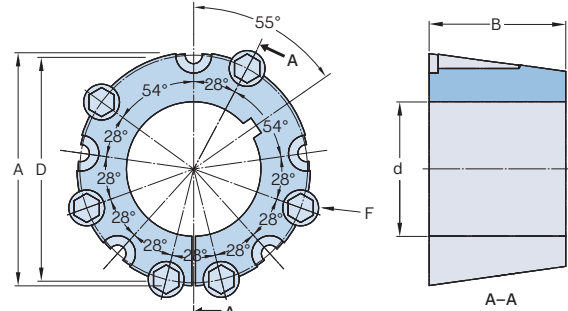
3525-5050



6050



7060 to 10085a



120100

| Bushing number     | Bore |        | Nom. torque       |       | Dimensions |       |       |       |       | Setscrews       |                   | Screw torque | Mass   | Designation      |
|--------------------|------|--------|-------------------|-------|------------|-------|-------|-------|-------|-----------------|-------------------|--------------|--------|------------------|
|                    | d    |        |                   |       | A          | B     | D     | E     |       | F <sup>2)</sup> |                   |              |        |                  |
| –                  | mm   | in.    | mm                | in.   | Nm         | mm    |       |       |       | Qty             | BSW <sup>1)</sup> | Nm           | kg     | –                |
| 1008               | 9    | 3/8    | 25                | 1     | 135        | 35.2  | 22.2  | 33.7  | –     | 2               | 1/4" x 1/2"       | 5.6          | 0.05   | PHF TB1008X...   |
| 1108               | 9    | 3/8    | 28                | 1 1/8 | 147        | 38.4  | 22.2  | 36.9  | –     | 2               | 1/4" x 1/2"       | 5.6          | 0.08   | PHF TB1108X...   |
| 1210               | 11   | 1/2    | 32                | 1 1/4 | 405        | 47.6  | 25.4  | 44.5  | –     | 2               | 3/8" x 5/8"       | 20           | 0.19   | PHF TB1210X...   |
| 1215               | 11   | 1/2    | 32                | 1 1/4 | 405        | 47.6  | 38.1  | 44.5  | –     | 2               | 3/8" x 5/8"       | 20           | 0.27   | PHF TB1215X...   |
| 1610               | 14   | 1/2    | 42                | 1 5/8 | 485        | 57.2  | 25.4  | 54.0  | –     | 2               | 3/8" x 5/8"       | 20           | 0.31   | PHF TB1610X...   |
| 1615               | 14   | 1/2    | 42                | 1 5/8 | 485        | 57.2  | 38.1  | 54.0  | –     | 2               | 3/8" x 5/8"       | 20           | 0.46   | PHF TB1615X...   |
| 2012               | 14   | 1/2    | 50                | 2     | 810        | 69.9  | 31.8  | 66.7  | –     | 2               | 7/16" x 7/8"      | 30           | 0.65   | PHF TB2012X...   |
| 2017               | 14   | 1/2    | 50                | 2     | 810        | 69.9  | 44.5  | 66.7  | –     | 2               | 7/16" x 7/8"      | 30           | 0.91   | PHF TB2017X...   |
| 2517 <sup>2)</sup> | 16   | 1/2    | 60                | 2 1/2 | 1 275      | 85.7  | 44.5  | 82.6  | –     | 2               | 1/2" x 1"         | 50           | 1.47   | PHF TB2517X...   |
| 2525               | 16   | 1/2    | 60                | 2 1/2 | 1 275      | 85.7  | 63.5  | 82.6  | –     | 2               | 1/2" x 1"         | 50           | 4.30   | PHF TB2525X...   |
| 3020               | 25   | 1      | 75                | 3     | 2 710      | 108.0 | 50.8  | 101.6 | –     | 2               | 5/8" x 1-1/4"     | 90           | 2.25   | PHF TB3020X...   |
| 3030               | 35   | 1      | 75                | 3     | 2 710      | 108.0 | 76.2  | 101.6 | –     | 2               | 5/8" x 1-1/4"     | 90           | 3.25   | PHF TB3030X...   |
| 3525 <sup>2)</sup> | 35   | 1 1/4  | 100 <sup>4)</sup> | 4     | 5 060      | 127.0 | 63.5  | 123.0 | –     | 3               | 1/2" x 1-1/2"     | 115          | 4.23   | PHF TB3525X...   |
| 3535 <sup>2)</sup> | 35   | 1 1/4  | 90                | 3 1/2 | 5 060      | 127.0 | 89.0  | 123.0 | –     | 3               | 1/2" x 1-1/2"     | 115          | 5.78   | PHF TB3535X...   |
| 4030               | 40   | 1 3/4  | 115 <sup>4)</sup> | 4 1/4 | 8 727      | 146.0 | 76.2  | 141.0 | –     | 3               | 5/8" x 1-3/4"     | 170          | 7.00   | PHF TB4030X...   |
| 4040               | 40   | 1 3/4  | 100               | 4     | 8 727      | 146.0 | 102.0 | 141.0 | –     | 3               | 5/8" x 1-3/4"     | 170          | 9.20   | PHF TB4040X...   |
| 4535               | 55   | 2      | 125               | 5     | 12 420     | 161.0 | 89.0  | 156.0 | –     | 3               | 3/4" x 2"         | 190          | 9.10   | PHF TB4535X...   |
| 4545               | 55   | 2      | 115 <sup>4)</sup> | 4 1/2 | 12 420     | 161.0 | 114.0 | 156.0 | –     | 3               | 3/4" x 2"         | 190          | 11.80  | PHF TB4545X...   |
| 5040               | 70   | 2 5/8  | 140               | 5 1/2 | 14 225     | 178.0 | 101.6 | 171.0 | –     | 3               | 7/8" x 2-1/4"     | 270          | 12.26  | PHF TB5040X...   |
| 5050               | 70   | 2 5/8  | 125               | 5     | 14 225     | 178.0 | 127.0 | 171.0 | –     | 3               | 7/8" x 2-1/4"     | 270          | 15.18  | PHF TB5050X...   |
| 6050               | 95   | 3 7/8  | 150               | 6     | 31 840     | 235.0 | 127.0 | 228.6 | 171.5 | 4               | 1-1/2" x 3-1/2"   | 883          | 25.00  | PHF TB6050X...   |
| 7060               | 110  | 4 5/8  | 170               | 7     | 46 965     | 260.4 | 152.4 | 254.0 | 196.9 | 4               | 1-1/2" x 3-1/2"   | 883          | 34.00  | PHF TB7060X...   |
| 8065               | 130  | 5 1/16 | 190               | 8     | 51 480     | 285.8 | 165.1 | 279.4 | 222.3 | 4               | 1-1/2" x 3-1/2"   | 883          | 45.00  | PHF TB8065X...   |
| 10085              | 170  | 6 9/16 | 260               | 10    | 98 110     | 374.7 | 215.9 | 368.3 | 298.5 | 4               | 1-1/2" x 4-1/2"   | 1 547        | 104.00 | PHF TB10085X...  |
| 120100             | 200  | 7 9/16 | 290               | 12    | 171 405    | 438.2 | 254.0 | 431.8 | 362.0 | 5               | 1-1/2" x 4-1/2"   | 1 547        | 163.00 | PHF TB120100X... |

<sup>1)</sup> Except as noted

Note: Bushings cannot be bored out larger than listed.

Bushings are supplied with screws: 1008 - 3030 (2 screws); 3525 - 6050 (3 screws); 7060 - 10085 (4 screws); and 120100 (6 screws).

<sup>2)</sup> Bushings are also available with coarse thread (UNC) according to ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3525X70MM.

<sup>3)</sup> Screw size x length. A is the diameter at the face of the bush and D is the bolt pitch diameter.

To complete designation, add bore size. For example: PHF TB1215X16MM designates a 1215 taper bushing with a 16 mm bore.

<sup>4)</sup> Indicates shallow key required (e.g. DIN 6885/3).

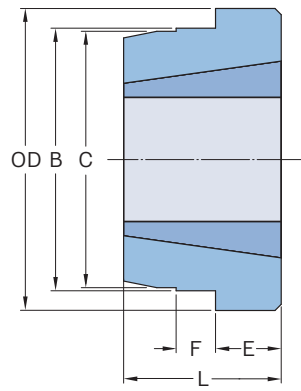
Sizes 1008 - 3030 may be supplied in either 3 hole or 4 hole. There is no difference in their respective performance characteristics.

Taper bushings are also available in steel (AISI 1045). MOQs may apply.

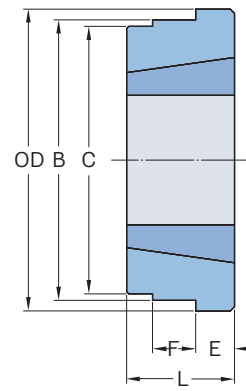


## Weld-on hubs

W taper bushed | WH taper bushed



Type W

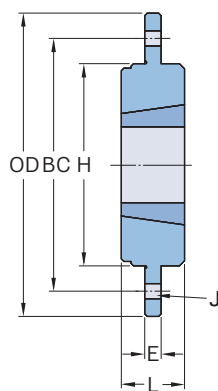


Type WH

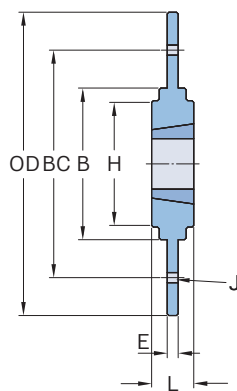
| Type | Bushing number | Dimensions |        |        |       |       |       | Designation |
|------|----------------|------------|--------|--------|-------|-------|-------|-------------|
|      |                | OD         | B      | C      | L     | E     | F     |             |
| –    | –              | mm         |        |        |       |       |       | –           |
| W    | 1 215          | 73.03      | 63.50  | 62.71  | 38.1  | 15.88 | 9.53  | PHH W12     |
|      | 1 615          | 82.55      | 73.03  | 72.24  | 38.1  | 15.88 | 9.53  | PHH W16     |
|      | 2 017          | 101.60     | 88.90  | 88.11  | 44.4  | 19.05 | 11.91 | PHH W20     |
|      | 2 517          | 127.00     | 111.13 | 110.34 | 44.4  | 19.05 | 12.70 | PHH W25     |
|      | 3 030          | 149.86     | 133.35 | 132.56 | 76.2  | 25.40 | 19.05 | PHH W30     |
|      | 3 535          | 184.15     | 158.75 | 157.96 | 88.9  | 31.75 | 25.40 | PHH W35     |
|      | 4 040          | 225.43     | 196.85 | 196.06 | 101.6 | 31.75 | 31.75 | PHH W40     |
|      | 4 545          | 254.00     | 222.25 | 221.46 | 114.3 | 38.10 | 38.10 | PHH W45     |
|      | 5 040          | 230.00     | 220.00 | 219.50 | 102.0 | 40.00 | 35.00 | PHH WH50-1  |
|      | 5 050          | 230.00     | 220.00 | 219.50 | 127.0 | 40.00 | 35.00 | PHH WH50-2  |
| WH   | 1 210          | 70.00      | 65.00  | 64.50  | 25.0  | 9.00  | 10.00 | PHH WH12    |
|      | 1 610          | 80.00      | 75.00  | 74.50  | 25.0  | 9.00  | 10.00 | PHH WH16    |
|      | 2 012          | 95.00      | 90.00  | 89.50  | 32.0  | 12.00 | 12.00 | PHH WH20    |
|      | 2 517          | 115.00     | 110.00 | 109.50 | 44.0  | 19.00 | 15.00 | PHH WH25    |
|      | 3 020          | 145.00     | 140.00 | 139.50 | 50.0  | 20.00 | 15.00 | PHH WH30    |
|      | 3 535          | 190.00     | 180.00 | 179.50 | 89.0  | 25.00 | 25.00 | PHH WH35-2  |
|      | 4 030          | 200.00     | 190.00 | 189.50 | 76.0  | 32.00 | 30.00 | PHH WH40-1  |
|      | 4 040          | 200.00     | 190.00 | 189.50 | 101.0 | 32.00 | 30.00 | PHH WH40-2  |
|      | 4 535          | 210.00     | 200.00 | 199.50 | 89.0  | 40.00 | 30.00 | PHH WH45-1  |
|      | 4 545          | 210.00     | 200.00 | 199.50 | 114.0 | 40.00 | 30.00 | PHH WH45-2  |
|      | 5 040          | 230.00     | 220.00 | 219.50 | 102.0 | 40.00 | 35.00 | PHH WH50-1  |
|      | 5 050          | 230.00     | 220.00 | 219.50 | 127.0 | 40.00 | 35.00 | PHH WH50-2  |
|      | 5 040          | 230.00     | 220.00 | 219.50 | 102.0 | 40.00 | 35.00 | PHH WH50-1  |
|      | 5 050          | 230.00     | 220.00 | 219.50 | 127.0 | 40.00 | 35.00 | PHH WH50-2  |
|      | 5 040          | 230.00     | 220.00 | 219.50 | 102.0 | 40.00 | 35.00 | PHH WH50-1  |
|      | 5 050          | 230.00     | 220.00 | 219.50 | 127.0 | 40.00 | 35.00 | PHH WH50-2  |

## Bolt-on hubs / Adapters

BF taper bushed | SM taper bushed | Taper bushed adapters



Type BF

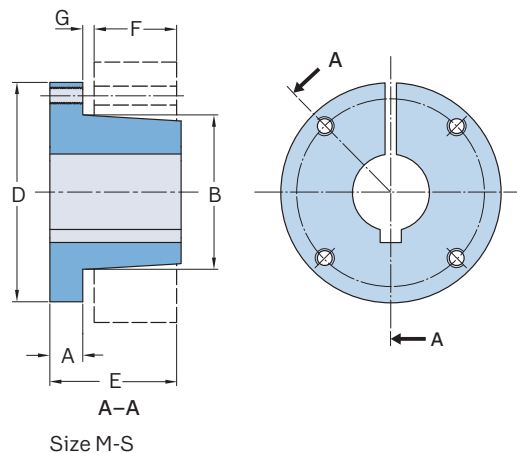
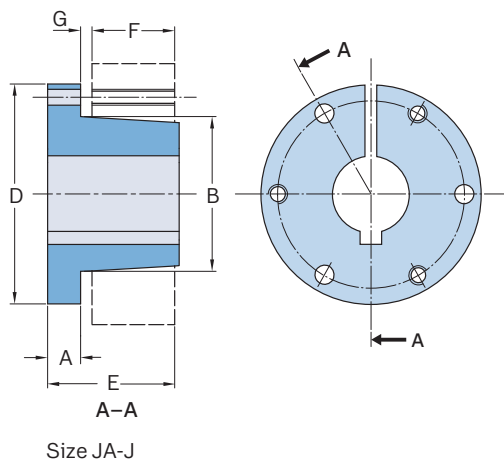


Type SM

| Type | Bushing number | Dimensions |     |     |    |      |     |                 | Designation |
|------|----------------|------------|-----|-----|----|------|-----|-----------------|-------------|
|      |                | OD         | B   | BC  | L  | E    | H   | J <sup>1)</sup> |             |
| –    | –              | mm         |     |     |    |      |     |                 | –           |
| BF   | 1 210          | 120        | –   | 100 | 25 | 6.5  | 80  | 6 × 6.6         | PHH BF12    |
|      | 1 610          | 130        | –   | 110 | 25 | 6.5  | 90  | 6 × 6.6         | PHH BF16    |
|      | 2 012          | 145        | –   | 125 | 32 | 8.5  | 100 | 6 × 9.0         | PHH BF20    |
|      | 2 517          | 185        | –   | 155 | 44 | 11.5 | 130 | 6 × 11.0        | PHH BF25    |
|      | 3 020          | 220        | –   | 190 | 50 | 11.5 | 165 | 6 × 13.0        | PHH BF30    |
| SM   | 1 210          | 180        | 75  | 135 | 25 | 6.5  | 90  | 6 × 7.5         | PHH SM12    |
|      | 1 615          | 200        | 85  | 150 | 38 | 7.5  | 110 | 6 × 7.5         | PHH SM16    |
|      | 2 012          | 270        | 110 | 190 | 32 | 8.5  | 140 | 6 × 9.5         | PHH SM20    |
|      | 2 517          | 340        | 125 | 240 | 45 | 9.5  | 170 | 8 × 11.5        | PHH SM25    |
|      | 3 020          | 430        | 160 | 300 | 51 | 13.5 | 220 | 8 × 13.5        | PHH SM30-1  |
|      | 3 020          | 485        | 160 | 340 | 51 | 13.5 | 250 | 8 × 13.5        | PHH SM30-2  |

<sup>1)</sup> Number of screw holes x hole diameter.

## QD Bushings



| Size | Bore range |                      |                | Nom. torque | Dimensions |        |        |        |        |       | Set screw size |                   | Screw torque |        | Average mass |      | Designation |
|------|------------|----------------------|----------------|-------------|------------|--------|--------|--------|--------|-------|----------------|-------------------|--------------|--------|--------------|------|-------------|
|      | Min.       | Standard keyway Max. | Shallow keyway |             | A          | B      | D      | E      | F      | G     | UNC Grade 5    |                   |              |        | kg           | lbs. |             |
| –    | mm         |                      |                | Nm          | mm         |        |        |        |        |       | Qty            | inch              | Nm           |        |              |      | –           |
| JA   | 9.53       | 25.40                | 31.75          | 113         | 7.90       | 35.10  | 50.80  | 25.40  | 14.22  | 3.05  | 3              | 10-24 × 1         | 6 779 088    | 0.40   | 0.9          |      | PHF JA...   |
| SH   | 12.70      | 34.92                | 42.86          | 395         | 10.90      | 47.80  | 66.80  | 33.27  | 20.57  | 3.05  | 3              | 1/4"-20 × 1-3/8   | 122 023 584  | 0.50   | 1.0          |      | PHF SH...   |
| SDS  | 12.70      | 42.86                | 50.80          | 565         | 10.90      | 55.40  | 80.80  | 33.27  | 19.05  | 3.05  | 3              | 1/4"-20 × 1-3/8   | 122 023 584  | 0.72   | 1.0          |      | PHF SDS...  |
| SD   | 12.70      | 42.86                | 49.21          | 565         | 10.90      | 55.40  | 80.80  | 45.97  | 31.75  | 3.05  | 3              | 1/4"-20 × 1-3/8   | 122 023 584  | 0.93   | 1.5          |      | PHF SD...   |
| SK   | 12.70      | 53.97                | 63.50          | 791         | 14.20      | 71.40  | 98.60  | 49.02  | 31.75  | 5.58  | 3              | 5/16"-18 × 2      | 20 337 264   | 0.90   | 2.0          |      | PHF SK...   |
| SF   | 12.70      | 74.61                | 71.43          | 1243        | 16.00      | 79.50  | 117.60 | 52.32  | 31.75  | 5.58  | 3              | 3/8"-16 × 2       | 40 674 528   | 2.23   | 3.0          |      | PHF SF...   |
| E    | 22.26      | 73.02                | 88.90          | 2260        | 22.40      | 97.30  | 152.40 | 69.85  | 41.02  | 6.35  | 3              | 1/2"-13 × 2-3/4   | 81 349 056   | 4.62   | 10.0         |      | PHF E...    |
| F    | 25.40      | 100.01               | 100.01         | 3390        | 25.40      | 112.50 | 168.40 | 95.25  | 63.50  | 8.64  | 3              | 9/16"-12 × 3-5/8  | 10 168 632   | 5.20   | 11.5         |      | PHF F...    |
| J    | 36.51      | 95.25                | 114.30         | 5084        | 28.70      | 130.60 | 184.20 | 122.68 | 80.77  | 9.65  | 3              | 5/8"-11 × 4-1/2   | 183 035 376  | 8.20   | 18.0         |      | PHF J...    |
| M    | 74.61      | 120.65               | 139.70         | 9604        | 31.80      | 165.10 | 228.60 | 171.45 | 131.57 | 10.41 | 4              | 3/4"-10 × 6-3/4   | 30 505 896   | 27.00  | 37.0         |      | PHF M...    |
| N    | 61.91      | 130.18               | 152.40         | 16 948      | 38.10      | 177.80 | 254.00 | 206.25 | 158.75 | 14.22 | 4              | 7/8"-9 × 8        | 40 674 528   | 37.50  | 57.0         |      | PHF N...    |
| P    | 74.61      | 150.81               | 177.80         | 28 246      | 44.50      | 209.60 | 298.50 | 238.25 | 184.15 | 16.02 | 4              | 1"-8 × 9-1/2      | 61 011 792   | 54.40  | 120.0        |      | PHF P...    |
| W    | 101.60     | 190.50               | 215.90         | 42 369      | 50.80      | 264.70 | 381.00 | 289.05 | 228.60 | 12.70 | 4              | 1-1/8"-7 × 11-1/2 | 81 349 056   | 113.40 | 250.0        |      | PHF W...    |
| S    | 152.40     | 209.55               | 254.00         | 70 616      | 69.90      | 308.10 | 450.90 | 387.35 | 304.80 | 19.05 | 4              | 1-1/4"-7 × 15-1/2 | 1 017        | 181.40 | 400.0        |      | PHF S...    |

To complete the designation, add bore size in inch or millimeters (standard bore sizes available on next page).  
E.g.: PHF SDS-1-11/16 and PHF SDS-25MM.

## QD Bushings

### Dimensions

#### Inch bores and keyway

| Bushing number | Bore                                                                          | Bushing number                                                         |
|----------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------|
| –              | in.                                                                           |                                                                        |
| JA             | 3/8 – 7/8<br>1/2<br>1 1/16 – 1 1/8<br>1 3/16<br>1 1/4                         | No keyway<br>STD<br>1/4 x 1/16<br>1/4 x 1/16<br>No keyway              |
| SH             | 1/2 – 1 3/8<br>1 7/16 – 1 1/2<br>1 9/16 – 1 5/8<br>1 11/16                    | STD<br>3/8 x 1/16<br>3/8 x 1/16<br>No keyway                           |
| SDS            | 1/2 – 1 11/16<br>1 3/4<br>1 13/16<br>1 7/8 – 1 15/16<br>2                     | STD<br>3/8 x 1/8<br>1/2 x 1/8<br>1/2 x 1/16<br>No keyway               |
| SD             | 1/2 – 1 11/16<br>1 3/4<br>1 13/16<br>1 7/8<br>1 15/16<br>2                    | STD<br>3/8 x 1/8<br>1/2 x 1/8<br>1/2 x 1/16<br>1/2 x 1/16<br>No keyway |
| SK             | 1/2 – 2 1/8<br>2 3/16 – 2 1/4<br>2 5/16 – 2 1/2<br>2 9/16 – 2 5/8             | STD<br>1/2 x 1/8<br>1 5/8 x 1/16<br>No keyway                          |
| SF             | 1/2 – 2 1/4<br>2 5/16 – 2 1/2<br>2 9/16 – 2 3/4<br>2 13/16 – 2 7/8<br>2 15/16 | STD<br>1 5/8 x 3/16<br>5/8 x 1/16<br>3/4 x 1/16<br>3/4 x 1/32          |
| E              | 7/8 – 2 7/8<br>2 15/16 – 3 1/4<br>3 5/8 – 3 1/2                               | STD <sup>1)</sup><br>3/4 x 1/8<br>7/8 x 1/16                           |
| F              | 1 – 3 15/16<br>3 3/8 – 3 3/4<br>3 7/8 – 3 15/16<br>4                          | STD <sup>1)</sup><br>7/8 x 3/16<br>1 x 1/8<br>No keyway                |
| J              | 1 1/4 – 3 3/4<br>3 13/16 – 4 1/2                                              | STD <sup>1)</sup><br>1 x 1/8                                           |
| M              | 2 – 4 3/4<br>4 13/16 – 5 1/2                                                  | STD <sup>1)</sup><br>1 1/4 x 1/4                                       |
| N              | 2 7/16<br>5 7/8 – 5 1/2<br>5 9/16                                             | STD <sup>1)</sup><br>1 1/4 x 1/4<br>1 1/2 x 1/4                        |
| P              | 2 15/16 – 5 15/16<br>6 – 6 1/2<br>6 9/16                                      | STD <sup>1)</sup><br>1 1/2 x 1/4<br>1 3/4 x 1/8                        |
| W              | 4 – 7 1/2<br>7 9/16 – 8 1/2                                                   | STD <sup>1)</sup><br>2 x 1/4                                           |

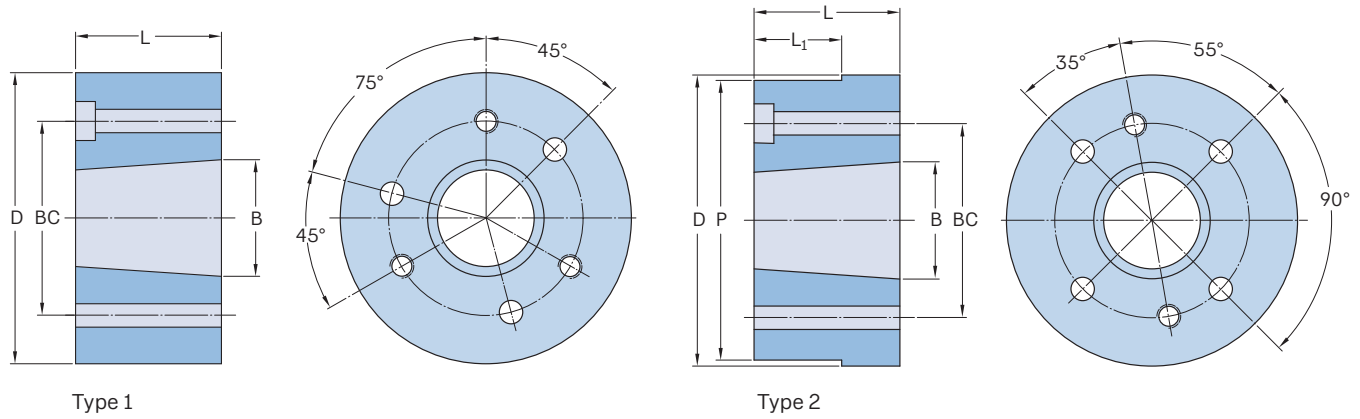
<sup>1)</sup> Please contact SKF for details.

#### Metric bores and keyway

| Bushing number | Bore                                                  | Keyway - WxT                                                             |
|----------------|-------------------------------------------------------|--------------------------------------------------------------------------|
| –              | mm                                                    |                                                                          |
| SH             | 24.25<br>28.30<br>32.35                               | 8 x 7<br>–<br>10 x 8                                                     |
| SDS            | 24.25<br>28.30<br>32.35<br>38<br>40.42                | 8 x 7<br>–<br>10 x 8<br>–<br>12 x 8                                      |
| SD             | 24.25<br>28.30<br>32.35<br>38<br>40.42                | 8 x 7<br>–<br>10 x 8<br>–<br>12 x 8                                      |
| SK             | 24.25<br>28.30<br>32.35<br>38<br>40.42<br>48.50<br>55 | 8 x 7<br>–<br>10 x 8<br>–<br>12 x 8<br>–<br>14 x 9<br>16 x 10            |
| SF             | 28.30<br>32.35<br>38<br>40.42<br>48.50<br>55<br>60    | 8 x 7<br>10 x 8<br>–<br>12 x 8<br>14 x 9<br>16 x 10<br>18 x 11           |
| E              | 35.38<br>40.42<br>48.50<br>55<br>60.65<br>70.75       | 10 x 8<br>12 x 8<br>14 x 9<br>16 x 10<br>18 x 11<br>20 x 12              |
| F              | 48.50<br>55<br>60.65<br>70.75<br>80.85<br>90          | 14 x 9<br>16 x 10<br>18 x 11<br>20 x 12<br>22 x 14<br>25 x 14            |
| J              | 50<br>55<br>60.65<br>70.75<br>80.85<br>90.95<br>100   | 14 x 9<br>16 x 10<br>18 x 11<br>20 x 12<br>22 x 14<br>25 x 14<br>28 x 16 |

The metric system does not refer to keyseat or keyway dimensions as the inch system. Instead, dimensions are given for the key itself which is rectangular in shape, not square as in the inch system.

To complete the designation, add bore size in inch or millimeters (standard bore sizes available on next page).  
E.g.: PHF SDS-1-11/16 and PHF SDS-25MM.



| Bushing number | Dimensions |       |       |       |                |       | Type drilling | Average mass | Mounting             | Designation |
|----------------|------------|-------|-------|-------|----------------|-------|---------------|--------------|----------------------|-------------|
|                | D          | L     | B     | P     | L <sub>1</sub> | BC    |               |              |                      |             |
| —              | mm         |       |       |       |                |       | —             | kg           | —                    | —           |
| JA             | 57.2       | 14.3  | 34.9  | —     | —              | 42.1  | 1             | 0.18         | Std or reverse mount | PHH WJA     |
| SH             | 76.2       | 20.6  | 47.5  | —     | —              | 57.2  | 1             | 0.45         | Std or reverse mount | PHH WSH     |
| SDS            | 88.9       | 19.1  | 55.6  | —     | —              | 68.3  | 1             | 0.57         | Std or reverse mount | PHH WSDS    |
| SK             | 111.1      | 31.8  | 71.5  | —     | —              | 84.1  | 1             | 1.36         | Std or reverse mount | PHH WSK     |
| SF             | 127.0      | 31.8  | 79.4  | —     | —              | 98.4  | 1             | 1.81         | Std or reverse mount | PHH WSF     |
| E              | 158.8      | 41.3  | 97.3  | —     | —              | 127.0 | 1             | 4.08         | Std or reverse mount | PHH WE      |
| F              | 177.8      | 63.5  | 112.7 | —     | —              | 142.9 | 1             | 7.26         | Std or reverse mount | PHH WF      |
| J              | 196.9      | 81.0  | 130.6 | —     | —              | 158.8 | 1             | 10.21        | Std or reverse mount | PHH WJ      |
| M              | 241.3      | 131.8 | 164.9 | 235.0 | 90.5           | 200.0 | 2             | 22.69        | Std mount only       | PHH WM      |
| N              | 266.7      | 158.8 | 177.5 | 260.4 | 114.3          | 215.9 | 2             | 34.03        | Std mount only       | PHH WN      |
| P              | 330.2      | 184.2 | 209.3 | —     | —              | 254.0 | 2             | 70.33        | Std mount only       | PHH WP      |
| W              | 393.7      | 228.6 | 265.1 | —     | —              | 323.9 | 2             | 136.12       | Std mount only       | PHH WW      |
| S              | 495.3      | 304.8 | 308.0 | 476.3 | —              | 381.0 | 2             | 253.18       | Std mount only       | PHH WS      |



#### FX 10

- Not self-centering (Guide recommended)
- Range from 20-900 mm (larger sizes on request)
- Narrow width (depth)
- Medium torque capability
- Moderate hub stresses (Pn)
- Self-releasing
- No axial movement during tightening



#### FX 50

- Self-centering
- Expansive design
- Limited range from 20–140 mm
- Narrow width (depth)
- Low-medium torque capability
- Low hub stresses (Pn)



#### FX 20

- Self-centering
- Limited range from 20–130 mm
- Small outside diameter (but longer)
- Medium torque capability
- Low-moderate hub stresses
- No axial movement while tightening



#### FX 51

- Self-centering
- Range from 20-200 mm in standard range
- Available up to 400 mm (subject to MOQ)
- Medium torque capability
- No axial movement while tightening
- Moderate-high hub stresses (Pn)



#### FX30/FX 31

- Not self-centering (element Rings only)
- Range from 6-540 mm
- Small profile
- Light torque capability
- Low hub stresses (Pn)
- May be used in multiple series
- Additional thrust ring/cap required
- Outer/inner rings slotted for FX31



#### FX 52

- Limited self-centering
- Limited range from 14-50 mm
- Low – medium Torque capability
- No axial movement
- Narrower than the FX51 (Lower capacity)
- Moderate hub stresses (Pn)



#### FX 40

- Self-centering
- Limited range from 20-140 mm
- Medium torque capability
- Axial movement while tightening
- Moderate hub stresses (Pn)



#### FX 60

- Excellent self-centering
- Range from 25-400 mm in standard range
- One piece center ring and outer sleeve.
- Larger sizes available on request (subj. to MOQ)
- High – heavy torque capability
- Axial movement while tightening
- Low – moderate hub stresses (Pn)
- See also FX61 and FX400
- No inner sleeve. The taper rings mount directly on shaft



#### FX 41

- Limited self-centering capability (compared FX40)
- Range from 20–200 mm (larger sizes on request)
- Narrow width (depth) than FX40
- Medium torque capability
- Axial movement while tightening
- Moderate hub stresses (Pn)



#### FX 61

- Same characteristics and capacity as the FX60
- Two piece center ring and outer sleeve
- Range from 25 - 400 mm
- Axial movement while tightening
- Self-locking
- Cost Factor  $\leq 4.65$
- Same dimensions as FX60 and FX400
- No inner sleeve. The taper rings mount directly on shaft



#### FX 65

- Similar in diameters to FX60, FX61/ FX400 series
- Narrow width series  
Available from 100 to 500 mm bore (Larger sizes and "inch" bores available on request, subject to MOQ)
- Two piece outer ring
- One piece inner sleeve
- Accepts greater bending moment (MB) than standard one piece outer ring constructions. (Torsional capacity is reduced)
- No axial movement during setscrew tightening



#### FX 130

- Rigid coupling
- Constrictive design
- Same or differing shaft diameters possible
- Zero backlash
- Compact
- Ease of Installation
- Low to medium torque capacity
- Limited shaft capacity; 70 – 80 mm



#### FX 140

- Limited self-centering
- Range from 18-90 mm
- Light-medium torque capability
- No axial movement
- Reduced length (L3)
- Moderate-high hub stresses (Pn)



#### FX 80

- Self-centering
- Expansive design
- Limited range from 14-70 mm
- Light duty applications
- Low torque capability
- Low hub stresses
- C Spanner nut only, therefore fast mounting



#### FX 190

- Shrink disc (3 series)
- Constrictive design
- Range from 20-200 mm in standard range
- Heavy duty. Very high torque
- No axial movement
- High shaft stresses (PW)
- Cost factor 1.65



#### FX 90

- Self-centering
- Longer (L3) version of the FX80
- Limited range from 14- 60 mm
- Light duty applications
- Low torque capability
- Low hub stresses
- C Spanner nut only, therefore fast mounting



#### FX 350

- Self-centering
- Range from 10-25 mm
- Low torque capability
- No axial movement
- Narrow face width (L3)
- Low-moderate hub stresses (Pn)



#### FX 120

- Not self-centering
- Expansive design
- Limited range from 18- 80 mm
- Light duty applications
- Low torque capability
- Low hub stresses
- Fewer setscrews for faster mounting



#### FX 400

- Self-centering
- Range from 30-400 mm
- Has an inner and outer sleeve
- With loose center ring in contact with both inner and outer sleeve.
- High torque capability
- No axial movement
- Same dimensions as FX60 and FX61
- Low-moderate hub stresses (Pn)



### FX 195

- Shrink disc
- Constrictive design
- Range from 12-300 mm in standard range
- High torque
- No axial movement during tightening
- High shaft stresses (PW)



### FX 75

- Self-centering
- Low torque capacity
- Self-locking
- Limited bore range; 4-20 mm
- Axial movement during tightening
- Available in stainless steel (on request)
- Series is subject to MOQ.

### In all series

- Surface roughness Ra. (max) 12.5 µm
- Typical tolerances:
  - H8 (bore)
  - h8 (shaft)
- Setscrews are Grade 12.9 acc. to DIN912 (except FX80, FX90 and FX75)
- Imperial (inch) dimensions, bore only, are available for most sizes, (may be subject to MOQ). All other dimensions remain metric.
- Where “cost factors” are given, these are indicative only, and are relative to the same bore size for Series FX10

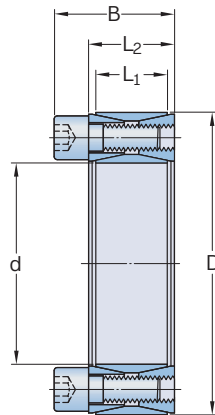
### NOTE

These may be subject to minimum order quantities (MOQ). Please refer to SKF for details.

### IMPORTANT

In the larger Heavy Duty series (e.g. FX6x.x etc. ) the size and the number of setscrews may vary from that of the competitors.

FX keyless bushings  
FX10

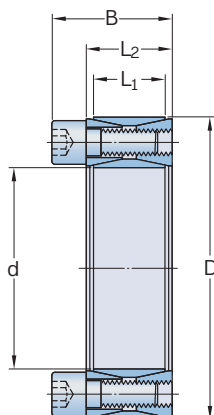


FX10

| Bushing no. | Dimensions |     |                |                |                |       | Transmissible  |                | Shaft surface  | Hub surface       | Clamp          | Clamp    | Screw tighten- | Mass | Designation |                  |
|-------------|------------|-----|----------------|----------------|----------------|-------|----------------|----------------|----------------|-------------------|----------------|----------|----------------|------|-------------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B     | D <sub>1</sub> | F <sub>t</sub> | M <sub>t</sub> | P <sub>w</sub>    | P <sub>n</sub> | Quantity | M <sub>s</sub> | kg   | –           |                  |
| –           | mm         |     |                |                |                |       |                | kN             | Nm             | N/mm <sup>2</sup> |                |          | Nm             |      | –           |                  |
| FX10        | 14         | 42  | 17             | 20             | -              | 26    | -              | 26             | 180            | 291               | 97             | 8        | M6             | 17   | 0.18        | PHF FX10-14X42   |
|             | 15         | 42  | 17             | 20             | -              | 26    | -              | 27             | 200            | 292               | 101            | 8        | M6             | 17   | 0.18        | PHF FX10-15X42   |
|             | 16         | 44  | 17             | 20             | -              | 26    | -              | 26             | 205            | 251               | 99             | 8        | M6             | 17   | 0.18        | PHF FX10-16X44   |
|             | 17         | 44  | 17             | 20             | -              | 26    | -              | 33             | 220            | 305               | 110            | 8        | M6             | 17   | 0.22        | PHF FX10-17X44   |
|             | 18         | 47  | 17             | 20             | -              | 26    | -              | 33             | 230            | 290               | 110            | 8        | M6             | 17   | 0.22        | PHF FX10-18X47   |
|             | 19         | 47  | 17             | 20             | -              | 26    | -              | 33             | 270            | 275               | 110            | 8        | M6             | 17   | 0.22        | PHF FX10-19X47   |
|             | 20         | 47  | 17             | 20             | -              | 27.5  | -              | 27             | 290            | 210               | 90             | 8        | M6             | 15   | 0.2         | PHF FX10-20X47   |
|             | 22         | 47  | 17             | 20             | -              | 27.5  | -              | 27             | 300            | 195               | 90             | 8        | M6             | 15   | 0.2         | PHF FX10-22X47   |
|             | 24         | 50  | 17             | 20             | -              | 27.5  | -              | 30             | 360            | 195               | 95             | 8        | M6             | 15   | 0.3         | PHF FX10-24X50   |
|             | 25         | 50  | 17             | 20             | -              | 27.5  | -              | 30             | 380            | 190               | 95             | 8        | M6             | 15   | 0.3         | PHF FX10-25X50   |
|             | 28         | 55  | 17             | 20             | -              | 27.5  | -              | 33             | 470            | 185               | 95             | 10       | M6             | 15   | 0.3         | PHF FX10-28X55   |
|             | 30         | 55  | 17             | 20             | -              | 27.5  | -              | 33             | 500            | 175               | 95             | 10       | M6             | 15   | 0.3         | PHF FX10-30X55   |
|             | 32         | 60  | 17             | 20             | -              | 27.5  | -              | 40             | 630            | 192               | 105            | 12       | M6             | 15   | 0.3         | PHF FX10-32X60   |
|             | 35         | 60  | 17             | 20             | -              | 27.5  | -              | 40             | 700            | 180               | 105            | 12       | M6             | 15   | 0.3         | PHF FX10-35X60   |
|             | 38         | 65  | 17             | 20             | -              | 27.5  | -              | 46             | 870            | 188               | 110            | 14       | M6             | 15   | 0.4         | PHF FX10-38X65   |
|             | 40         | 65  | 17             | 20             | -              | 27.5  | -              | 46             | 920            | 180               | 110            | 14       | M6             | 15   | 0.3         | PHF FX10-40X65   |
|             | 42         | 75  | 20             | 24             | -              | 33.5  | -              | 72             | 1500           | 226               | 125            | 12       | M8             | 37   | 0.6         | PHF FX10-42X75   |
|             | 45         | 75  | 20             | 24             | -              | 33.5  | -              | 72             | 1610           | 210               | 125            | 12       | M8             | 37   | 0.6         | PHF FX10-45X75   |
|             | 48         | 80  | 20             | 24             | -              | 33.5  | -              | 71             | 1700           | 196               | 115            | 12       | M8             | 37   | 0.6         | PHF FX10-48X80   |
|             | 50         | 80  | 20             | 24             | -              | 33.5  | -              | 71             | 1770           | 190               | 115            | 12       | M8             | 37   | 0.6         | PHF FX10-50X80   |
|             | 55         | 85  | 20             | 24             | -              | 33.5  | -              | 83             | 2 270          | 200               | 130            | 14       | M8             | 37   | 0.6         | PHF FX10-55X85   |
|             | 60         | 90  | 20             | 24             | -              | 33.5  | -              | 83             | 2 470          | 180               | 120            | 14       | M8             | 37   | 0.7         | PHF FX10-60X90   |
|             | 65         | 95  | 20             | 24             | -              | 33.5  | -              | 93             | 3 040          | 190               | 130            | 16       | M8             | 37   | 0.7         | PHF FX10-65X95   |
|             | 70         | 110 | 24             | 28             | -              | 39.5  | -              | 132            | 4 600          | 210               | 130            | 14       | M10            | 70   | 1.3         | PHF FX10-70X110  |
|             | 75         | 115 | 24             | 28             | -              | 39.5  | -              | 131            | 4 900          | 195               | 125            | 14       | M10            | 70   | 1.3         | PHF FX10-75X115  |
|             | 80         | 120 | 24             | 28             | -              | 39.5  | -              | 131            | 5 200          | 180               | 120            | 14       | M10            | 70   | 1.4         | PHF FX10-80X120  |
|             | 85         | 125 | 24             | 28             | -              | 39.5  | -              | 148            | 6 300          | 195               | 130            | 16       | M10            | 70   | 1.4         | PHF FX10-85X125  |
|             | 90         | 130 | 24             | 28             | -              | 39.5  | -              | 147            | 6 600          | 180               | 125            | 16       | M10            | 70   | 1.5         | PHF FX10-90X130  |
|             | 95         | 135 | 24             | 28             | -              | 39.5  | -              | 167            | 7 900          | 195               | 135            | 18       | M10            | 70   | 1.6         | PHF FX10-95X135  |
|             | 100        | 145 | 26             | 33             | -              | 47    | -              | 192            | 9 600          | 195               | 135            | 14       | M12            | 127  | 2.2         | PHF FX10-100X145 |
|             | 110        | 155 | 26             | 33             | -              | 47    | -              | 191            | 10 500         | 180               | 125            | 14       | M12            | 127  | 2.5         | PHF FX10-110X155 |
|             | 120        | 165 | 26             | 33             | -              | 47    | -              | 218            | 13 100         | 185               | 135            | 16       | M12            | 127  | 2.6         | PHF FX10-120X165 |
|             | 130        | 180 | 34             | 38             | -              | 52    | -              | 272            | 17 600         | 165               | 115            | 20       | M12            | 127  | 3.8         | PHF FX10-130X180 |
|             | 140        | 190 | 34             | 38             | -              | 52    | -              | 298            | 20 900         | 165               | 125            | 22       | M12            | 127  | 3.9         | PHF FX10-140X190 |
|             | 150        | 200 | 34             | 38             | -              | 52    | -              | 324            | 24 200         | 170               | 125            | 24       | M12            | 127  | 4           | PHF FX10-150X200 |
|             | 160        | 210 | 34             | 38             | -              | 52    | -              | 350            | 28 000         | 170               | 130            | 26       | M12            | 127  | 4.3         | PHF FX10-160X210 |
|             | 170        | 225 | 38             | 44             | -              | 60    | -              | 386            | 32 800         | 160               | 120            | 22       | M14            | 195  | 5.8         | PHF FX10-170X225 |
|             | 180        | 235 | 38             | 44             | -              | 60    | -              | 420            | 37 800         | 165               | 125            | 24       | M14            | 195  | 6           | PHF FX10-180X235 |
|             | 190        | 250 | 46             | 52             | -              | 68    | -              | 490            | 46 500         | 150               | 115            | 28       | M14            | 195  | 8.5         | PHF FX10-190X250 |
|             | 200        | 260 | 46             | 52             | -              | 68    | -              | 525            | 52 500         | 150               | 115            | 30       | M14            | 195  | 8.6         | PHF FX10-200X260 |
|             | 220        | 285 | 50             | 56             | -              | 74    | -              | 620            | 68 000         | 150               | 115            | 26       | M16            | 300  | 11          | PHF FX10-220X285 |
|             | 240        | 305 | 50             | 56             | -              | 74    | -              | 715            | 85 500         | 160               | 125            | 30       | M16            | 300  | 12          | PHF FX10-240X305 |
|             | 260        | 325 | 50             | 56             | -              | 74    | -              | 800            | 104 000        | 165               | 130            | 34       | M16            | 300  | 13          | PHF FX10-260X325 |
|             | 280        | 355 | 60             | 66             | -              | 86.5  | -              | 915            | 128 000        | 145               | 115            | 32       | M18            | 410  | 19          | PHF FX10-280X355 |
|             | 300        | 375 | 60             | 66             | -              | 86.5  | -              | 1 020          | 153 000        | 150               | 120            | 36       | M18            | 410  | 20          | PHF FX10-300X375 |
|             | 320        | 405 | 72             | 78             | -              | 100.5 | -              | 1 310          | 210 000        | 150               | 120            | 36       | M20            | 590  | 30          | PHF FX10-320X405 |
|             | 340        | 425 | 72             | 78             | -              | 100.5 | -              | 1 310          | 224 000        | 145               | 115            | 36       | M20            | 590  | 30.1        | PHF FX10-340X425 |
|             | 360        | 455 | 84             | 90             | -              | 116   | -              | 1 630          | 294 000        | 145               | 115            | 36       | M22            | 790  | 42          | PHF FX10-360X455 |
|             | 380        | 475 | 84             | 90             | -              | 116   | -              | 1 620          | 308 000        | 135               | 110            | 36       | M22            | 790  | 44          | PHF FX10-380X475 |
|             | 400        | 495 | 84             | 90             | -              | 116   | -              | 1 610          | 322 000        | 130               | 105            | 36       | M22            | 790  | 46          | PHF FX10-400X495 |

# FX keyless bushings

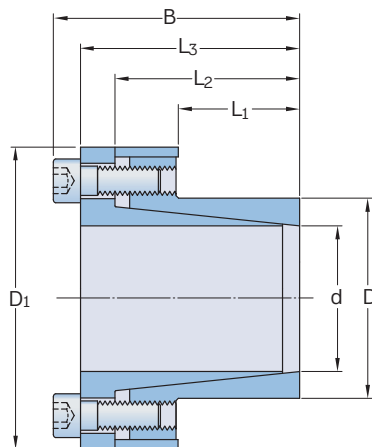
## FX10



FX10

| Bushing no. | Dimensions |     |                |                |                |     |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|-----|----------------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B   | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          |      |                  |
| –           | mm         |     |                |                |                |     |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      | kg   | –                |
| FX10        | 420        | 515 | 84             | 90             | -              | 116 | -              | 1 780                     | 370 000              | 135                    | 110                  | 40           | M22               | 790                     | 50   | PHF FX10-420X515 |
|             | 440        | 545 | 96             | 102            | -              | 130 | -              | 2 050                     | 450 000              | 130                    | 105                  | 40           | M24               | 1 000                   | 65   | PHF FX10-440X545 |
|             | 460        | 565 | 96             | 102            | -              | 130 | -              | 2 030                     | 465 000              | 125                    | 100                  | 40           | M24               | 1 000                   | 67   | PHF FX10-460X565 |
|             | 480        | 585 | 96             | 102            | -              | 130 | -              | 2 150                     | 505 000              | 125                    | 100                  | 42           | M24               | 1 000                   | 71   | PHF FX10-480X585 |
|             | 500        | 605 | 96             | 102            | -              | 130 | -              | 2 200                     | 553 000              | 125                    | 100                  | 44           | M24               | 1 000                   | 73   | PHF FX10-500X605 |
|             | 520        | 630 | 96             | 102            | -              | 130 | -              | 2 300                     | 592 000              | 125                    | 100                  | 45           | M24               | 1 000                   | 80   | PHF FX10-520X630 |
|             | 540        | 650 | 96             | 102            | -              | 130 | -              | 2 320                     | 618 000              | 120                    | 100                  | 45           | M24               | 1 000                   | 82   | PHF FX10-540X650 |
|             | 560        | 670 | 96             | 102            | -              | 130 | -              | 2 430                     | 670 000              | 120                    | 100                  | 48           | M24               | 1 000                   | 85   | PHF FX10-560X670 |
|             | 580        | 690 | 96             | 102            | -              | 130 | -              | 2 520                     | 727 000              | 120                    | 100                  | 50           | M24               | 1 000                   | 88   | PHF FX10-580X690 |
|             | 600        | 710 | 96             | 102            | -              | 130 | -              | 2 565                     | 770 000              | 120                    | 100                  | 50           | M24               | 1 000                   | 91   | PHF FX10-600X710 |
|             | 620        | 730 | 96             | 102            | -              | 130 | -              | 2 647                     | 818 000              | 120                    | 100                  | 52           | M24               | 1 000                   | 93   | PHF FX10-620X730 |
|             | 640        | 750 | 96             | 102            | -              | 130 | -              | 2 698                     | 860 000              | 115                    | 100                  | 54           | M24               | 1 000                   | 96   | PHF FX10-640X750 |
|             | 660        | 770 | 96             | 102            | -              | 130 | -              | 2 790                     | 919 000              | 120                    | 100                  | 56           | M24               | 1 000                   | 99   | PHF FX10-660X770 |
|             | 680        | 790 | 96             | 102            | -              | 130 | -              | 2 820                     | 955 000              | 115                    | 100                  | 56           | M24               | 1 000                   | 102  | PHF FX10-680X790 |
|             | 700        | 810 | 96             | 102            | -              | 130 | -              | 2 945                     | 1 018 000            | 115                    | 100                  | 60           | M24               | 1 000                   | 104  | PHF FX10-700X810 |
|             | 720        | 830 | 96             | 102            | -              | 130 | -              | 2 965                     | 1 060 000            | 115                    | 100                  | 60           | M24               | 1 000                   | 107  | PHF FX10-720X830 |
|             | 740        | 850 | 96             | 102            | -              | 130 | -              | 3 065                     | 1 128 000            | 115                    | 100                  | 62           | M24               | 1 000                   | 110  | PHF FX10-740X850 |
|             | 760        | 870 | 96             | 102            | -              | 130 | -              | 3 170                     | 1 200 000            | 115                    | 100                  | 64           | M24               | 1 000                   | 113  | PHF FX10-760X870 |
|             | 780        | 890 | 96             | 102            | -              | 130 | -              | 3 205                     | 1 235 000            | 115                    | 100                  | 65           | M24               | 1 000                   | 116  | PHF FX10-780X890 |
|             | 800        | 910 | 96             | 102            | -              | 130 | -              | 3 260                     | 1 287 000            | 115                    | 100                  | 66           | M24               | 1 000                   | 118  | PHF FX10-800X910 |

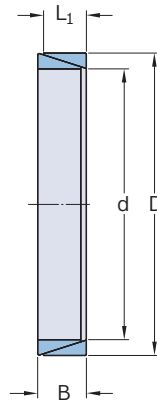
FX keyless bushings  
FX20



FX20

| Bushing no. | Dimensions |     |                |                |                |       |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass  | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|-------|----------------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|-------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B     | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          | kg    | –                |
| –           | mm         |     |                |                |                |       |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      |       | –                |
| FX20        | 6          | 14  | 10             | 18.5           | 21.0           | 24.0  | 25             | 4.5                       | 13                   | 190                    | 80                   | 3            | M3                | 2.0                     | 0.04  | PHF FX20-6X14    |
|             | 7          | 15  | 12             | 22.0           | 25.0           | 29.0  | 27             | 6.5                       | 24                   | 230                    | 110                  | 3            | M4                | 4.9                     | 0.06  | PHF FX20-7X15    |
|             | 8          | 15  | 12             | 22.0           | 25.0           | 29.0  | 27             | 6.7                       | 25                   | 210                    | 110                  | 3            | M4                | 4.9                     | 0.05  | PHF FX20-8X15    |
|             | 9          | 16  | 14             | 23.0           | 26.0           | 30.0  | 28             | 10.0                      | 45                   | 210                    | 120                  | 4            | M4                | 4.9                     | 0.06  | PHF FX20-9X16    |
|             | 10         | 16  | 14             | 23.0           | 26.0           | 30.0  | 28             | 10.0                      | 49                   | 180                    | 120                  | 4            | M4                | 4.9                     | 0.06  | PHF FX20-10X16   |
|             | 11         | 18  | 14             | 23.0           | 26.0           | 30.0  | 32             | 10.0                      | 54                   | 170                    | 105                  | 4            | M4                | 4.9                     | 0.07  | PHF FX20-11X18   |
|             | 12         | 18  | 14             | 23.0           | 26.0           | 30.0  | 32             | 10.0                      | 60                   | 155                    | 105                  | 4            | M4                | 4.9                     | 0.07  | PHF FX20-12X18   |
|             | 13         | 23  | 14             | 23.0           | 26.0           | 30.0  | 38             | 10.0                      | 63                   | 145                    | 85                   | 4            | M4                | 4.9                     | 0.11  | PHF FX20-13X23   |
|             | 14         | 23  | 14             | 23.0           | 26.0           | 30.0  | 38             | 10.0                      | 70                   | 135                    | 85                   | 4            | M4                | 4.9                     | 0.10  | PHF FX20-14X23   |
|             | 15         | 24  | 16             | 29.0           | 36.0           | 42.0  | 45             | 17.1                      | 120                  | 185                    | 120                  | 3            | M6                | 17.0                    | 0.22  | PHF FX20-15X24   |
|             | 16         | 24  | 16             | 29.0           | 36.0           | 42.0  | 45             | 17.1                      | 140                  | 180                    | 120                  | 3            | M6                | 17.0                    | 0.22  | PHF FX20-16X24   |
|             | 17         | 26  | 18             | 31.0           | 38.0           | 44.0  | 47             | 22.0                      | 180                  | 190                    | 125                  | 4            | M6                | 17.0                    | 0.25  | PHF FX20-17X26   |
|             | 18         | 26  | 18             | 31.0           | 38.0           | 44.0  | 47             | 22.0                      | 200                  | 180                    | 125                  | 4            | M6                | 17.0                    | 0.24  | PHF FX20-18X26   |
|             | 19         | 27  | 18             | 31.0           | 38.0           | 44.0  | 49             | 22.0                      | 210                  | 170                    | 120                  | 4            | M6                | 17.0                    | 0.26  | PHF FX20-19X27   |
|             | 20         | 28  | 18             | 31.0           | 38.0           | 44.0  | 50             | 22.0                      | 220                  | 160                    | 115                  | 4            | M6                | 17.0                    | 0.27  | PHF FX20-20X28   |
|             | 22         | 32  | 25             | 38.0           | 45.0           | 51.0  | 54             | 22.0                      | 250                  | 115                    | 80                   | 4            | M6                | 17.0                    | 0.34  | PHF FX20-22X32   |
|             | 24         | 34  | 25             | 38.0           | 45.0           | 51.0  | 56             | 22.0                      | 270                  | 105                    | 75                   | 4            | M6                | 17.0                    | 0.36  | PHF FX20-24X34   |
|             | 25         | 34  | 25             | 38.0           | 45.0           | 51.0  | 56             | 22.0                      | 290                  | 100                    | 75                   | 4            | M6                | 17.0                    | 0.35  | PHF FX20-25X34   |
|             | 28         | 39  | 25             | 38.0           | 45.0           | 51.0  | 61             | 33.0                      | 465                  | 135                    | 100                  | 6            | M6                | 17.0                    | 0.48  | PHF FX20-28X39   |
|             | 30         | 41  | 25             | 38.0           | 45.0           | 51.0  | 62             | 33.0                      | 510                  | 125                    | 90                   | 6            | M6                | 17.0                    | 0.48  | PHF FX20-30X41   |
|             | 32         | 43  | 25             | 38.0           | 45.0           | 51.0  | 65             | 33.0                      | 540                  | 120                    | 90                   | 6            | M6                | 17.0                    | 0.47  | PHF FX20-32X43   |
|             | 35         | 47  | 32             | 45.0           | 52.0           | 58.0  | 69             | 45.0                      | 790                  | 105                    | 80                   | 8            | M6                | 17.0                    | 0.58  | PHF FX20-35X47   |
|             | 38         | 50  | 32             | 45.0           | 52.0           | 58.0  | 72             | 45.0                      | 860                  | 100                    | 75                   | 8            | M6                | 17.0                    | 0.61  | PHF FX20-38X50   |
|             | 40         | 53  | 32             | 45.0           | 52.0           | 58.0  | 75             | 45.0                      | 900                  | 95                     | 70                   | 8            | M6                | 17.0                    | 0.68  | PHF FX20-40X53   |
|             | 42         | 55  | 32             | 45.0           | 52.0           | 58.0  | 78             | 45.0                      | 950                  | 90                     | 70                   | 8            | M6                | 17.0                    | 0.76  | PHF FX20-42X55   |
|             | 45         | 59  | 45             | 62.0           | 70.0           | 78.0  | 86             | 84.0                      | 1890                 | 110                    | 85                   | 8            | M8                | 41.0                    | 1.20  | PHF FX20-45X59   |
|             | 48         | 62  | 45             | 62.0           | 70.0           | 78.0  | 87             | 84.0                      | 2 010                | 105                    | 80                   | 8            | M8                | 41.0                    | 1.20  | PHF FX20-48X62   |
|             | 50         | 65  | 45             | 62.0           | 70.0           | 78.0  | 92             | 84.0                      | 2 100                | 100                    | 75                   | 8            | M8                | 41.0                    | 1.40  | PHF FX20-50X65   |
|             | 55         | 71  | 55             | 72.0           | 80.0           | 88.0  | 98             | 94.0                      | 2 600                | 85                     | 65                   | 9            | M8                | 41.0                    | 1.60  | PHF FX20-55X71   |
|             | 60         | 77  | 55             | 72.0           | 80.0           | 88.0  | 104            | 94.0                      | 2 840                | 75                     | 60                   | 9            | M8                | 41.0                    | 1.80  | PHF FX20-60X77   |
|             | 65         | 84  | 55             | 72.0           | 80.0           | 88.0  | 111            | 94.0                      | 3 070                | 70                     | 55                   | 9            | M8                | 41.0                    | 2.10  | PHF FX20-65X84   |
|             | 70         | 90  | 65             | 86.0           | 96.0           | 106.0 | 119            | 150.0                     | 5 250                | 90                     | 70                   | 9            | M10               | 83.0                    | 3.00  | PHF FX20-70X90   |
|             | 75         | 95  | 65             | 86.0           | 96.0           | 106.0 | 126            | 150.0                     | 5 600                | 80                     | 65                   | 9            | M10               | 83.0                    | 3.00  | PHF FX20-75X95   |
|             | 80         | 100 | 65             | 86.0           | 96.0           | 106.0 | 131            | 200.0                     | 8 020                | 100                    | 80                   | 12           | M10               | 83.0                    | 3.50  | PHF FX20-80X100  |
|             | 85         | 106 | 65             | 86.0           | 96.0           | 106.0 | 137            | 200.0                     | 8 500                | 95                     | 75                   | 12           | M10               | 83.0                    | 3.60  | PHF FX20-85X106  |
|             | 90         | 112 | 65             | 86.0           | 96.0           | 106.0 | 144            | 200.0                     | 9 000                | 90                     | 75                   | 12           | M10               | 83.0                    | 3.90  | PHF FX20-90X112  |
|             | 95         | 120 | 65             | 86.0           | 96.0           | 106.0 | 149            | 230.0                     | 11 000               | 100                    | 80                   | 14           | M10               | 83.0                    | 4.40  | PHF FX20-95X120  |
|             | 100        | 125 | 65             | 86.0           | 96.0           | 106.0 | 154            | 300.0                     | 15 000               | 120                    | 95                   | 18           | M10               | 83.0                    | 4.60  | PHF FX20-100X125 |
|             | 110        | 140 | 90             | 114.0          | 128.0          | 140.0 | 180            | 290.0                     | 16 000               | 80                     | 65                   | 12           | M12               | 145.0                   | 8.70  | PHF FX20-110X140 |
|             | 120        | 155 | 90             | 114.0          | 128.0          | 140.0 | 198            | 290.0                     | 17 500               | 70                     | 55                   | 12           | M12               | 145.0                   | 10.60 | PHF FX20-120X155 |
|             | 130        | 165 | 90             | 114.0          | 128.0          | 140.0 | 208            | 384.0                     | 25 000               | 90                     | 70                   | 16           | M12               | 145.0                   | 11.30 | PHF FX20-130X165 |

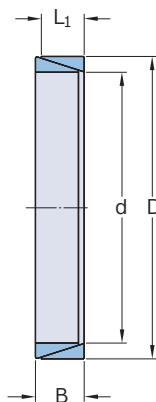
FX keyless bushings  
FX30



FX30

| Bushing no. | Dimensions |     |                |      | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Mass  | Designation      |
|-------------|------------|-----|----------------|------|---------------------------|----------------------|------------------------|----------------------|-------|------------------|
|             | d          | D   | L <sub>1</sub> | B    | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       |       |                  |
| –           | mm         |     |                |      | kN                        | Nm                   | N/mm <sup>2</sup>      |                      | kg    | –                |
| FX30        | 6          | 9   | 3.7            | 4.5  | 0.8                       | 3                    | 115                    | 75                   | 0.002 | PHF FX30-6X9     |
|             | 7          | 10  | 3.7            | 4.5  | 0.9                       | 3                    | 105                    | 70                   | 0.002 | PHF FX30-7X10    |
|             | 8          | 11  | 3.7            | 4.5  | 1.2                       | 5                    | 120                    | 90                   | 0.002 | PHF FX30-8X11    |
|             | 9          | 12  | 3.7            | 4.5  | 1.8                       | 8                    | 140                    | 105                  | 0.002 | PHF FX30-9X12    |
|             | 10         | 13  | 3.7            | 4.5  | 1.9                       | 10                   | 135                    | 105                  | 0.002 | PHF FX30-10X13   |
|             | 12         | 15  | 3.7            | 4.5  | 1.9                       | 11                   | 115                    | 90                   | 0.002 | PHF FX30-12X15   |
|             | 13         | 16  | 3.7            | 4.5  | 2.0                       | 13                   | 110                    | 90                   | 0.002 | PHF FX30-13X16   |
|             | 14         | 18  | 5.3            | 6.3  | 3.2                       | 22                   | 115                    | 90                   | 0.005 | PHF FX30-14X18   |
|             | 15         | 19  | 5.3            | 6.3  | 3.2                       | 24                   | 110                    | 85                   | 0.005 | PHF FX30-15X19   |
|             | 16         | 20  | 5.3            | 6.3  | 3.4                       | 27                   | 105                    | 85                   | 0.006 | PHF FX30-16X20   |
|             | 17         | 21  | 5.3            | 6.3  | 3.5                       | 30                   | 105                    | 85                   | 0.006 | PHF FX30-17X21   |
|             | 18         | 22  | 5.3            | 6.3  | 3.6                       | 32                   | 100                    | 80                   | 0.007 | PHF FX30-18X22   |
|             | 19         | 24  | 5.3            | 6.3  | 5.2                       | 49                   | 140                    | 110                  | 0.007 | PHF FX30-19X24   |
|             | 20         | 25  | 5.3            | 6.3  | 5.3                       | 53                   | 135                    | 105                  | 0.009 | PHF FX30-20X25   |
|             | 22         | 26  | 5.3            | 6.3  | 6.0                       | 66                   | 135                    | 115                  | 0.007 | PHF FX30-22X26   |
|             | 24         | 28  | 5.3            | 6.3  | 6.1                       | 73                   | 130                    | 110                  | 0.008 | PHF FX30-24X28   |
|             | 25         | 30  | 5.3            | 6.3  | 5.8                       | 72                   | 115                    | 95                   | 0.009 | PHF FX30-25X30   |
|             | 28         | 32  | 5.3            | 6.3  | 6.3                       | 86                   | 115                    | 100                  | 0.010 | PHF FX30-28X32   |
|             | 30         | 35  | 5.3            | 6.3  | 6.1                       | 91                   | 100                    | 85                   | 0.011 | PHF FX30-30X35   |
|             | 32         | 36  | 5.3            | 6.3  | 8.2                       | 131                  | 130                    | 115                  | 0.011 | PHF FX30-32X36   |
|             | 35         | 40  | 6.0            | 7.0  | 9.8                       | 171                  | 125                    | 110                  | 0.016 | PHF FX30-35X40   |
|             | 36         | 42  | 6.0            | 7.0  | 9.4                       | 169                  | 115                    | 100                  | 0.021 | PHF FX30-36X42   |
|             | 38         | 44  | 6.0            | 7.0  | 9.6                       | 181                  | 110                    | 95                   | 0.021 | PHF FX30-38X44   |
|             | 40         | 45  | 6.6            | 8.0  | 11.6                      | 231                  | 115                    | 105                  | 0.021 | PHF FX30-40X45   |
|             | 42         | 48  | 6.6            | 8.0  | 11.2                      | 235                  | 110                    | 95                   | 0.026 | PHF FX30-42X48   |
|             | 45         | 52  | 8.6            | 10.0 | 15.7                      | 353                  | 105                    | 95                   | 0.045 | PHF FX30-45X52   |
|             | 48         | 55  | 8.6            | 10.0 | 23.8                      | 572                  | 155                    | 135                  | 0.043 | PHF FX30-48X55   |
|             | 50         | 57  | 8.6            | 10.0 | 24.1                      | 602                  | 150                    | 130                  | 0.045 | PHF FX30-50X57   |
|             | 55         | 62  | 8.6            | 10.0 | 24.4                      | 670                  | 140                    | 125                  | 0.049 | PHF FX30-55X62   |
|             | 56         | 64  | 10.4           | 12.0 | 28.2                      | 790                  | 130                    | 115                  | 0.070 | PHF FX30-56X64   |
|             | 60         | 68  | 10.4           | 12.0 | 28.6                      | 860                  | 125                    | 110                  | 0.070 | PHF FX30-60X68   |
|             | 63         | 71  | 10.4           | 12.0 | 28.8                      | 910                  | 120                    | 105                  | 0.080 | PHF FX30-63X71   |
|             | 65         | 73  | 10.4           | 12.0 | 29.2                      | 950                  | 115                    | 100                  | 0.090 | PHF FX30-65X73   |
|             | 70         | 79  | 12.2           | 14.0 | 39.4                      | 1 380                | 125                    | 110                  | 0.115 | PHF FX30-70X79   |
|             | 71         | 80  | 12.2           | 14.0 | 39.4                      | 1 400                | 120                    | 110                  | 0.110 | PHF FX30-71X80   |
|             | 75         | 84  | 12.2           | 14.0 | 38.6                      | 1 450                | 115                    | 100                  | 0.120 | PHF FX30-75X84   |
|             | 80         | 91  | 15.0           | 17.0 | 55.0                      | 2 200                | 125                    | 105                  | 0.210 | PHF FX30-80X91   |
|             | 85         | 96  | 15.0           | 17.0 | 56.4                      | 2 400                | 120                    | 105                  | 0.210 | PHF FX30-85X96   |
|             | 90         | 101 | 15.0           | 17.0 | 60.5                      | 2 730                | 120                    | 105                  | 0.220 | PHF FX30-90X101  |
|             | 95         | 106 | 15.0           | 17.0 | 64.2                      | 3 050                | 120                    | 110                  | 0.230 | PHF FX30-95X106  |
|             | 100        | 114 | 18.7           | 21   | 84                        | 4 200                | 120                    | 105                  | 0.39  | PHF FX30-100X114 |
|             | 110        | 124 | 18.7           | 21   | 93.6                      | 5 150                | 120                    | 105                  | 0.42  | PHF FX30-110X124 |
|             | 120        | 134 | 18.7           | 21   | 100.8                     | 6 050                | 120                    | 105                  | 0.46  | PHF FX30-120X134 |
|             | 130        | 148 | 25.3           | 28   | 147.6                     | 9 600                | 120                    | 105                  | 0.86  | PHF FX30-130X148 |
|             | 140        | 158 | 25.3           | 28   | 158.5                     | 11 000               | 120                    | 105                  | 0.96  | PHF FX30-140X158 |
|             | 150        | 168 | 25.3           | 28   | 172                       | 12 900               | 120                    | 105                  | 1     | PHF FX30-150X168 |
|             | 160        | 178 | 25.3           | 28   | 182.5                     | 14 600               | 120                    | 110                  | 1     | PHF FX30-160X178 |
|             | 170        | 191 | 30             | 33   | 229                       | 19 500               | 120                    | 105                  | 1.54  | PHF FX30-170X191 |
|             | 180        | 201 | 30             | 33   | 236                       | 21 300               | 120                    | 105                  | 1.5   | PHF FX30-180X201 |
|             | 190        | 211 | 30             | 33   | 255                       | 24 200               | 120                    | 110                  | 1.8   | PHF FX30-190X211 |

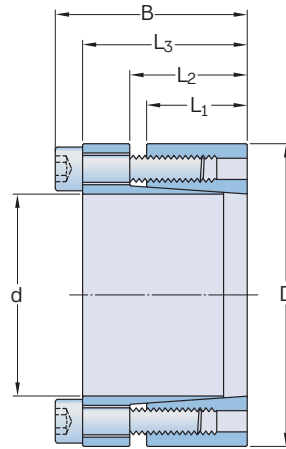
FX keyless bushings  
FX30



FX30

| Bushing no. | Dimensions |     |       |    | Transmissible<br>axial force<br>$F_t$ | Transmissible<br>torque<br>$M_t$ | Shaft surface<br>pressure<br>$P_w$ | Hub surface<br>pressure<br>$P_n$ | Mass | Designation      |
|-------------|------------|-----|-------|----|---------------------------------------|----------------------------------|------------------------------------|----------------------------------|------|------------------|
|             | d          | D   | $L_1$ | B  |                                       |                                  |                                    |                                  |      |                  |
| –           | mm         |     |       |    | kN                                    | Nm                               | N/mm <sup>2</sup>                  |                                  | kg   | –                |
| FX30        | 200        | 224 | 34.8  | 38 | 310                                   | 31 000                           | 120                                | 105                              | 2.4  | PHF FX30-200X224 |
|             | 210        | 234 | 34.8  | 38 | 333                                   | 35 000                           | 120                                | 110                              | 2.5  | PHF FX30-210X234 |
|             | 220        | 244 | 34.8  | 38 | 345                                   | 38 000                           | 120                                | 110                              | 2.6  | PHF FX30-220X244 |
|             | 230        | 257 | 39.5  | 43 | 408                                   | 47 000                           | 120                                | 105                              | 3.4  | PHF FX30-230X257 |
|             | 240        | 267 | 39.5  | 43 | 425                                   | 51 000                           | 120                                | 110                              | 3.8  | PHF FX30-240X267 |
|             | 250        | 280 | 44    | 48 | 415                                   | 52 000                           | 100                                | 90                               | 4.8  | PHF FX30-250X280 |
|             | 260        | 290 | 44    | 48 | 435                                   | 56 500                           | 100                                | 90                               | 4.9  | PHF FX30-260X290 |
|             | 270        | 300 | 44    | 48 | 450                                   | 61 000                           | 100                                | 90                               | 5    | PHF FX30-270X300 |
|             | 280        | 313 | 49    | 53 | 520                                   | 72 500                           | 100                                | 90                               | 6.4  | PHF FX30-280X313 |
|             | 290        | 323 | 49    | 53 | 535                                   | 77 500                           | 100                                | 90                               | 6.5  | PHF FX30-290X323 |
|             | 300        | 333 | 49    | 53 | 555                                   | 83 000                           | 100                                | 90                               | 6.8  | PHF FX30-300X333 |
|             | 320        | 360 | 59    | 65 | 710                                   | 114 000                          | 100                                | 90                               | 11   | PHF FX30-320X360 |
|             | 340        | 380 | 59    | 65 | 755                                   | 128 500                          | 100                                | 90                               | 11.5 | PHF FX30-340X380 |
|             | 360        | 400 | 59    | 65 | 800                                   | 144 000                          | 100                                | 90                               | 12.3 | PHF FX30-360X400 |
|             | 380        | 420 | 59    | 65 | 845                                   | 160 500                          | 100                                | 90                               | 13   | PHF FX30-380X420 |
|             | 400        | 440 | 59    | 65 | 890                                   | 178 000                          | 100                                | 90                               | 13.7 | PHF FX30-400X440 |
|             | 420        | 460 | 59    | 65 | 935                                   | 196 000                          | 100                                | 90                               | 14.1 | PHF FX30-420X460 |
|             | 440        | 480 | 59    | 65 | 980                                   | 215 000                          | 100                                | 90                               | 14.8 | PHF FX30-440X480 |
|             | 460        | 500 | 59    | 65 | 1020                                  | 235 000                          | 100                                | 90                               | 15.5 | PHF FX30-460X500 |
|             | 480        | 520 | 59    | 65 | 1070                                  | 256 000                          | 100                                | 90                               | 16   | PHF FX30-480X520 |
|             | 500        | 540 | 59    | 65 | 1110                                  | 278 000                          | 100                                | 90                               | 16.7 | PHF FX30-500X540 |

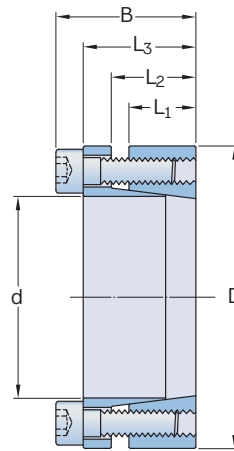
FX keyless bushings  
FX40



FX40

| Bushing no. | Dimensions |     |                |                |                |    |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|----|----------------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B  | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          |      |                  |
| –           | mm         |     |                |                |                |    |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      | kg   | –                |
| FX40        | 18         | 47  | 26             | 30             | 39             | 45 | -              | 55                        | 490                  | 310                    | 119                  | 6            | M6                | 17                      | 0.4  | PHF FX40-18X47   |
|             | 19         | 47  | 26             | 30             | 39             | 45 | -              | 55                        | 510                  | 294                    | 119                  | 6            | M6                | 17                      | 0.4  | PHF FX40-19X47   |
|             | 20         | 47  | 26             | 30             | 39             | 45 | -              | 55                        | 540                  | 279                    | 119                  | 6            | M6                | 17                      | 0.4  | PHF FX40-20X47   |
|             | 22         | 47  | 26             | 30             | 39             | 45 | -              | 55                        | 600                  | 254                    | 119                  | 6            | M6                | 17                      | 0.4  | PHF FX40-22X47   |
|             | 24         | 50  | 26             | 30             | 39             | 45 | -              | 55                        | 650                  | 233                    | 112                  | 6            | M6                | 17                      | 0.4  | PHF FX40-24X50   |
|             | 25         | 50  | 26             | 30             | 39             | 45 | -              | 55                        | 680                  | 223                    | 112                  | 6            | M6                | 17                      | 0.4  | PHF FX40-25X50   |
|             | 28         | 55  | 26             | 30             | 39             | 45 | -              | 55                        | 760                  | 199                    | 102                  | 6            | M6                | 17                      | 0.5  | PHF FX40-28X55   |
|             | 30         | 55  | 26             | 30             | 39             | 45 | -              | 55                        | 820                  | 186                    | 102                  | 6            | M6                | 17                      | 0.5  | PHF FX40-30X55   |
|             | 32         | 60  | 26             | 30             | 39             | 45 | -              | 73                        | 1 310                | 233                    | 124                  | 8            | M6                | 17                      | 0.6  | PHF FX40-32X60   |
|             | 35         | 60  | 26             | 30             | 39             | 45 | -              | 73                        | 1 440                | 213                    | 124                  | 8            | M6                | 17                      | 0.5  | PHF FX40-35X60   |
|             | 38         | 65  | 26             | 30             | 39             | 45 | -              | 73                        | 1 560                | 196                    | 115                  | 8            | M6                | 17                      | 0.6  | PHF FX40-38X65   |
|             | 40         | 65  | 26             | 30             | 39             | 45 | -              | 73                        | 1 640                | 186                    | 115                  | 8            | M6                | 17                      | 0.6  | PHF FX40-40X65   |
|             | 42         | 75  | 30             | 35             | 47             | 55 | -              | 101                       | 2 130                | 213                    | 119                  | 6            | M8                | 41                      | 1    | PHF FX40-42X75   |
|             | 45         | 75  | 30             | 35             | 47             | 55 | -              | 101                       | 2 280                | 199                    | 119                  | 6            | M8                | 41                      | 1    | PHF FX40-45X75   |
|             | 48         | 80  | 30             | 35             | 47             | 55 | -              | 101                       | 2 430                | 194                    | 117                  | 6            | M8                | 41                      | 1.1  | PHF FX40-48X80   |
|             | 50         | 80  | 30             | 35             | 47             | 55 | -              | 101                       | 2 530                | 182                    | 116                  | 6            | M8                | 41                      | 1    | PHF FX40-50X80   |
|             | 55         | 85  | 30             | 35             | 47             | 55 | -              | 135                       | 4 180                | 217                    | 140                  | 8            | M8                | 41                      | 1.1  | PHF FX40-55X85   |
|             | 60         | 90  | 30             | 35             | 47             | 55 | -              | 135                       | 4 560                | 199                    | 132                  | 8            | M8                | 41                      | 1.2  | PHF FX40-60X90   |
|             | 65         | 95  | 30             | 35             | 47             | 55 | -              | 152                       | 4 940                | 183                    | 125                  | 8            | M8                | 41                      | 1.3  | PHF FX40-65X95   |
|             | 70         | 110 | 40             | 46             | 61             | 71 | -              | 214                       | 6 500                | 203                    | 129                  | 8            | M10               | 83                      | 2.2  | PHF FX40-70X110  |
|             | 75         | 115 | 40             | 46             | 61             | 71 | -              | 214                       | 9 000                | 189                    | 123                  | 8            | M10               | 83                      | 2.5  | PHF FX40-75X115  |
|             | 80         | 120 | 40             | 46             | 61             | 71 | -              | 214                       | 7 400                | 177                    | 118                  | 8            | M10               | 83                      | 2.6  | PHF FX40-80X120  |
|             | 85         | 125 | 40             | 46             | 61             | 71 | -              | 268                       | 9 000                | 209                    | 142                  | 10           | M10               | 83                      | 2.8  | PHF FX40-85X125  |
|             | 90         | 130 | 40             | 46             | 61             | 71 | -              | 268                       | 9 600                | 197                    | 136                  | 10           | M10               | 83                      | 2.7  | PHF FX40-90X130  |
|             | 95         | 135 | 40             | 46             | 61             | 71 | -              | 268                       | 12 600               | 187                    | 131                  | 10           | M10               | 83                      | 2.9  | PHF FX40-95X135  |
|             | 100        | 145 | 46             | 52             | 70             | 82 | -              | 312                       | 13 300               | 180                    | 124                  | 8            | M12               | 145                     | 3.9  | PHF FX40-100X145 |
|             | 110        | 155 | 46             | 52             | 70             | 82 | -              | 312                       | 14 700               | 163                    | 116                  | 8            | M12               | 145                     | 4.2  | PHF FX40-110X155 |
|             | 120        | 165 | 46             | 52             | 70             | 82 | -              | 390                       | 18 400               | 187                    | 136                  | 10           | M12               | 145                     | 4.4  | PHF FX40-120X165 |
|             | 130        | 180 | 46             | 52             | 70             | 82 | -              | 467                       | 25 100               | 207                    | 150                  | 12           | M12               | 145                     | 5.7  | PHF FX40-130X180 |
|             | 140        | 190 | 50             | 57             | 80             | 94 | -              | 535                       | 40 150               | 203                    | 149                  | 10           | M14               | 230                     | 6.7  | PHF FX40-140X190 |
|             | 150        | 200 | 50             | 57             | 80             | 94 | -              | 641                       | 48 100               | 227                    | 170                  | 12           | M14               | 230                     | 7    | PHF FX40-150X200 |
|             | 160        | 210 | 50             | 57             | 80             | 94 | -              | 641                       | 51 300               | 213                    | 162                  | 12           | M14               | 230                     | 7    | PHF FX40-160X210 |
|             | 170        | 225 | 50             | 57             | 80             | 94 | -              | 748                       | 63 600               | 234                    | 176                  | 14           | M14               | 230                     | 8.5  | PHF FX40-170X225 |
|             | 180        | 235 | 50             | 57             | 80             | 94 | -              | 748                       | 67 350               | 221                    | 169                  | 14           | M14               | 230                     | 9    | PHF FX40-180X235 |

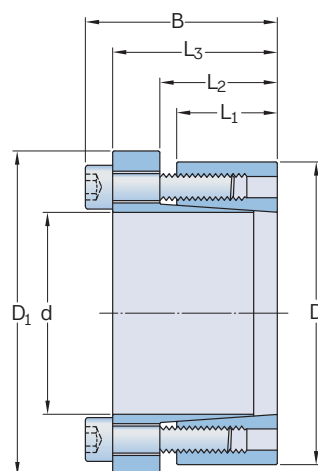
FX keyless bushings  
FX41



FX41

| Bushing no. | Dimensions |     |                |                |                |    | D <sub>1</sub> | Transmissible axial force<br>F <sub>t</sub> | Transmissible torque<br>M <sub>t</sub> | Shaft surface pressure<br>P <sub>w</sub> | Hub surface pressure<br>P <sub>n</sub> | Clamp screws | Clamp screws size | Screw tightening torque<br>M <sub>s</sub> | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|----|----------------|---------------------------------------------|----------------------------------------|------------------------------------------|----------------------------------------|--------------|-------------------|-------------------------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B  |                |                                             |                                        |                                          |                                        |              |                   |                                           |      |                  |
| –           | mm         |     |                |                |                |    |                | kN                                          | Nm                                     | N/mm <sup>2</sup>                        |                                        |              |                   | Nm                                        | kg   | –                |
| FX41        | 18         | 47  | 26             | 30             | 39             | 45 | -              | 38                                          | 330                                    | 326                                      | 125                                    | 5            | M6                | 14                                        | 0.3  | PHF FX41-18X47   |
|             | 19         | 47  | 26             | 30             | 39             | 45 | -              | 38                                          | 350                                    | 308                                      | 125                                    | 5            | M6                | 14                                        | 0.3  | PHF FX41-19X47   |
|             | 20         | 47  | 17             | 22             | 28             | 34 | -              | 38                                          | 380                                    | 295                                      | 125                                    | 5            | M6                | 14                                        | 0.3  | PHF FX41-20X47   |
|             | 22         | 47  | 17             | 22             | 28             | 34 | -              | 38                                          | 410                                    | 270                                      | 125                                    | 5            | M6                | 14                                        | 0.3  | PHF FX41-22X47   |
|             | 24         | 50  | 17             | 22             | 28             | 34 | -              | 38                                          | 450                                    | 245                                      | 120                                    | 6            | M6                | 14                                        | 0.3  | PHF FX41-24X50   |
|             | 25         | 50  | 17             | 22             | 28             | 34 | -              | 45.6                                        | 570                                    | 285                                      | 140                                    | 6            | M6                | 14                                        | 0.3  | PHF FX41-25X50   |
|             | 28         | 55  | 17             | 22             | 28             | 34 | -              | 45.6                                        | 630                                    | 255                                      | 130                                    | 6            | M6                | 14                                        | 0.4  | PHF FX41-28X55   |
|             | 30         | 55  | 17             | 22             | 28             | 34 | -              | 45.6                                        | 660                                    | 235                                      | 130                                    | 6            | M6                | 14                                        | 0.4  | PHF FX41-30X55   |
|             | 32         | 60  | 17             | 22             | 28             | 34 | -              | 60.5                                        | 970                                    | 295                                      | 155                                    | 8            | M6                | 14                                        | 0.4  | PHF FX41-32X60   |
|             | 35         | 60  | 17             | 22             | 28             | 34 | -              | 60.5                                        | 1060                                   | 270                                      | 155                                    | 8            | M6                | 14                                        | 0.4  | PHF FX41-35X60   |
|             | 38         | 65  | 17             | 22             | 28             | 34 | -              | 60.5                                        | 1150                                   | 250                                      | 145                                    | 8            | M6                | 14                                        | 0.5  | PHF FX41-38X65   |
|             | 40         | 65  | 17             | 22             | 28             | 34 | -              | 60.5                                        | 1210                                   | 235                                      | 145                                    | 8            | M6                | 14                                        | 0.5  | PHF FX41-40X65   |
|             | 42         | 75  | 20             | 25             | 33             | 41 | -              | 98                                          | 2 050                                  | 300                                      | 170                                    | 7            | M8                | 35                                        | 0.8  | PHF FX41-42X75   |
|             | 45         | 75  | 20             | 25             | 33             | 41 | -              | 98                                          | 2 200                                  | 290                                      | 170                                    | 7            | M8                | 35                                        | 0.7  | PHF FX41-45X75   |
|             | 48         | 80  | 20             | 25             | 33             | 41 | -              | 98                                          | 2 350                                  | 270                                      | 160                                    | 7            | M8                | 35                                        | 0.8  | PHF FX41-48X80   |
|             | 50         | 80  | 20             | 25             | 33             | 41 | -              | 98                                          | 2 450                                  | 260                                      | 160                                    | 7            | M8                | 35                                        | 0.8  | PHF FX41-50X80   |
|             | 55         | 85  | 20             | 25             | 33             | 41 | -              | 112                                         | 3 080                                  | 270                                      | 175                                    | 8            | M8                | 35                                        | 0.9  | PHF FX41-55X85   |
|             | 60         | 90  | 20             | 25             | 33             | 41 | -              | 112                                         | 3 360                                  | 245                                      | 165                                    | 8            | M8                | 35                                        | 0.9  | PHF FX41-60X90   |
|             | 65         | 95  | 20             | 25             | 33             | 41 | -              | 126                                         | 4 090                                  | 255                                      | 175                                    | 9            | M8                | 35                                        | 1    | PHF FX41-65X95   |
|             | 70         | 110 | 24             | 30             | 40             | 50 | -              | 179                                         | 6 300                                  | 280                                      | 180                                    | 8            | M10               | 70                                        | 1.9  | PHF FX41-70X110  |
|             | 75         | 115 | 24             | 30             | 40             | 50 | -              | 179                                         | 6 700                                  | 260                                      | 170                                    | 8            | M10               | 70                                        | 2    | PHF FX41-75X115  |
|             | 80         | 120 | 24             | 30             | 40             | 50 | -              | 179                                         | 7 150                                  | 250                                      | 170                                    | 8            | M10               | 70                                        | 2    | PHF FX41-80X120  |
|             | 85         | 125 | 24             | 30             | 40             | 50 | -              | 200                                         | 8 500                                  | 260                                      | 180                                    | 9            | M10               | 70                                        | 2    | PHF FX41-85X125  |
|             | 90         | 130 | 24             | 30             | 40             | 50 | -              | 200                                         | 9 100                                  | 250                                      | 170                                    | 9            | M10               | 70                                        | 2.2  | PHF FX41-90X130  |
|             | 95         | 135 | 24             | 30             | 40             | 50 | -              | 224                                         | 10 600                                 | 260                                      | 180                                    | 10           | M10               | 70                                        | 2.3  | PHF FX41-95X135  |
|             | 100        | 145 | 26             | 32             | 44             | 56 | -              | 268                                         | 13 400                                 | 270                                      | 190                                    | 8            | M12               | 125                                       | 3    | PHF FX41-100X145 |
|             | 110        | 155 | 26             | 32             | 44             | 56 | -              | 268                                         | 14 600                                 | 240                                      | 180                                    | 8            | M12               | 125                                       | 3.2  | PHF FX41-110X155 |
|             | 120        | 165 | 26             | 32             | 44             | 56 | -              | 298                                         | 17 900                                 | 250                                      | 180                                    | 9            | M12               | 125                                       | 3.4  | PHF FX41-120X165 |
|             | 130        | 180 | 34             | 40             | 54             | 64 | -              | 400                                         | 26 000                                 | 240                                      | 170                                    | 12           | M12               | 125                                       | 5.2  | PHF FX41-130X180 |
|             | 140        | 190 | 34             | 40             | 54             | 68 | -              | 384                                         | 27 000                                 | 210                                      | 150                                    | 9            | M14               | 190                                       | 5.4  | PHF FX41-140X190 |
|             | 150        | 200 | 34             | 40             | 54             | 68 | -              | 440                                         | 33 000                                 | 230                                      | 170                                    | 10           | M14               | 190                                       | 5.7  | PHF FX41-150X200 |
|             | 160        | 210 | 34             | 40             | 54             | 68 | -              | 479                                         | 38 000                                 | 230                                      | 170                                    | 11           | M14               | 190                                       | 6    | PHF FX41-160X210 |
|             | 170        | 225 | 44             | 50             | 64             | 78 | -              | 530                                         | 45 000                                 | 180                                      | 130                                    | 12           | M14               | 190                                       | 8.3  | PHF FX41-170X225 |
|             | 180        | 235 | 44             | 50             | 64             | 78 | -              | 530                                         | 47 000                                 | 170                                      | 130                                    | 12           | M14               | 190                                       | 8.8  | PHF FX41-180X235 |
|             | 190        | 250 | 44             | 50             | 64             | 78 | -              | 660                                         | 62 900                                 | 210                                      | 150                                    | 15           | M14               | 190                                       | 10   | PHF FX41-190X250 |
|             | 200        | 260 | 44             | 50             | 64             | 78 | -              | 660                                         | 66                                     | 190                                      | 150                                    | 15           | M14               | 190                                       | 10.5 | PHF FX41-200X260 |

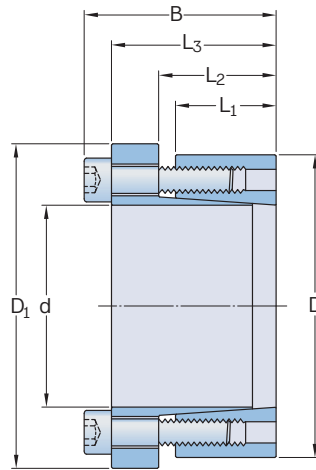
FX keyless bushings  
FX50



FX50

| Bushing no. | Dimensions |     |                |                |                |    |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|----|----------------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B  | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          | kg   | –                |
| –           | mm         |     |                |                |                |    |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      |      | –                |
| FX50        | 18         | 47  | 26             | 30             | 39             | 45 | 53             | 34                        | 300                  | 155                    | 70                   | 6            | M6                | 17                      | 0.4  | PHF FX50-18X47   |
|             | 19         | 47  | 26             | 30             | 39             | 45 | 53             | 34                        | 320                  | 165                    | 70                   | 6            | M6                | 17                      | 0.4  | PHF FX50-19X47   |
|             | 20         | 47  | 26             | 30             | 39             | 45 | 53             | 33.6                      | 330                  | 155                    | 65                   | 6            | M6                | 17                      | 0.5  | PHF FX50-20X47   |
|             | 22         | 47  | 26             | 30             | 39             | 45 | 53             | 33.6                      | 370                  | 145                    | 65                   | 6            | M6                | 17                      | 0.5  | PHF FX50-22X47   |
|             | 24         | 50  | 26             | 30             | 39             | 45 | 56             | 33.6                      | 400                  | 140                    | 60                   | 6            | M6                | 17                      | 0.5  | PHF FX50-24X50   |
|             | 25         | 50  | 26             | 30             | 39             | 45 | 56             | 33.6                      | 420                  | 125                    | 60                   | 6            | M6                | 17                      | 0.5  | PHF FX50-25X50   |
|             | 28         | 55  | 26             | 30             | 39             | 45 | 61             | 33.6                      | 470                  | 110                    | 60                   | 6            | M6                | 17                      | 0.6  | PHF FX50-28X55   |
|             | 30         | 55  | 26             | 30             | 39             | 45 | 61             | 33.6                      | 510                  | 105                    | 60                   | 6            | M6                | 17                      | 0.6  | PHF FX50-30X55   |
|             | 32         | 60  | 26             | 30             | 39             | 45 | 66             | 51                        | 810                  | 145                    | 80                   | 8            | M6                | 17                      | 0.7  | PHF FX50-32X60   |
|             | 35         | 60  | 26             | 30             | 39             | 45 | 66             | 51                        | 890                  | 135                    | 80                   | 8            | M6                | 17                      | 0.6  | PHF FX50-35X60   |
|             | 38         | 65  | 26             | 30             | 39             | 45 | 71             | 51                        | 970                  | 125                    | 70                   | 8            | M6                | 17                      | 0.8  | PHF FX50-38X65   |
|             | 40         | 65  | 26             | 30             | 39             | 45 | 71             | 51                        | 1 020                | 120                    | 70                   | 8            | M6                | 17                      | 0.6  | PHF FX50-40X65   |
|             | 42         | 75  | 30             | 35             | 47             | 55 | 81             | 62.8                      | 1 320                | 135                    | 75                   | 6            | M8                | 41                      | 1.2  | PHF FX50-42X75   |
|             | 45         | 75  | 30             | 35             | 47             | 55 | 81             | 62.8                      | 1 410                | 125                    | 75                   | 6            | M8                | 41                      | 1.1  | PHF FX50-45X75   |
|             | 48         | 80  | 30             | 35             | 47             | 55 | 86             | 62.8                      | 1 510                | 120                    | 70                   | 6            | M8                | 41                      | 1.3  | PHF FX50-48X80   |
|             | 50         | 80  | 30             | 35             | 47             | 55 | 86             | 62.8                      | 1 570                | 110                    | 70                   | 6            | M8                | 41                      | 1.1  | PHF FX50-50X80   |
|             | 55         | 85  | 30             | 35             | 47             | 55 | 91             | 94.6                      | 2 600                | 150                    | 100                  | 8            | M8                | 41                      | 1.2  | PHF FX50-55X85   |
|             | 60         | 90  | 30             | 35             | 47             | 55 | 96             | 94.6                      | 2 830                | 140                    | 95                   | 8            | M8                | 41                      | 1.3  | PHF FX50-60X90   |
|             | 65         | 95  | 30             | 35             | 47             | 55 | 102            | 94.6                      | 3 070                | 130                    | 90                   | 8            | M8                | 41                      | 1.4  | PHF FX50-65X95   |
|             | 70         | 110 | 40             | 46             | 61             | 71 | 117            | 116                       | 4 000                | 110                    | 70                   | 8            | M10               | 83                      | 2.5  | PHF FX50-70X110  |
|             | 75         | 115 | 40             | 46             | 61             | 71 | 122            | 116                       | 4 300                | 100                    | 65                   | 8            | M10               | 83                      | 2.6  | PHF FX50-75X115  |
|             | 80         | 120 | 40             | 46             | 61             | 71 | 127            | 116                       | 4 600                | 100                    | 65                   | 8            | M10               | 83                      | 2.8  | PHF FX50-80X120  |
|             | 85         | 125 | 40             | 46             | 61             | 71 | 132            | 133                       | 5 600                | 105                    | 70                   | 10           | M10               | 83                      | 2.8  | PHF FX50-85X125  |
|             | 90         | 130 | 40             | 46             | 61             | 71 | 137            | 133                       | 6 000                | 100                    | 70                   | 10           | M10               | 83                      | 3    | PHF FX50-90X130  |
|             | 95         | 135 | 40             | 46             | 61             | 71 | 142            | 166.8                     | 7 900                | 115                    | 80                   | 10           | M10               | 83                      | 3    | PHF FX50-95X135  |
|             | 100        | 145 | 46             | 52             | 70             | 82 | 153            | 169                       | 8 470                | 100                    | 65                   | 8            | M12               | 145                     | 5.5  | PHF FX50-100X145 |
|             | 110        | 155 | 46             | 52             | 70             | 82 | 163            | 169                       | 9 200                | 90                     | 65                   | 8            | M12               | 145                     | 4.8  | PHF FX50-110X155 |
|             | 120        | 165 | 46             | 52             | 70             | 82 | 173            | 193                       | 11 600               | 90                     | 70                   | 10           | M12               | 145                     | 5.5  | PHF FX50-120X165 |
|             | 130        | 180 | 46             | 52             | 70             | 82 | 188            | 242                       | 15 700               | 110                    | 80                   | 12           | M12               | 145                     | 6    | PHF FX50-130X180 |
|             | 140        | 190 | 51             | 57             | 80             | 94 | 199            | 366                       | 25 300               | 135                    | 100                  | 10           | M14               | 230                     | 6.8  | PHF FX50-140X190 |
|             | 150        | 200 | 50             | 57             | 80             | 94 | 209            | 400                       | 30 000               | 120                    | 90                   | 12           | M14               | 230                     | 7.7  | PHF FX50-150X200 |
|             | 160        | 210 | 50             | 57             | 80             | 94 | 219            | 400                       | 32 000               | 110                    | 85                   | 12           | M14               | 230                     | 8    | PHF FX50-160X210 |
|             | 170        | 225 | 50             | 57             | 80             | 94 | 234            | 467                       | 39 650               | 125                    | 95                   | 14           | M14               | 230                     | 8.8  | PHF FX50-170X225 |
|             | 180        | 235 | 50             | 57             | 80             | 94 | 244            | 467                       | 42 000               | 120                    | 90                   | 14           | M14               | 230                     | 9.8  | PHF FX50-180X235 |

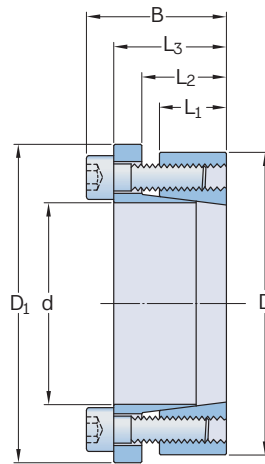
FX keyless bushings  
FX51



FX51

| Bushing no. | Dimensions |     |                |                |                |    |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|----|----------------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B  | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          | kg   | –                |
| –           | mm         |     |                |                |                |    |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      |      | –                |
| FX51        | 18         | 47  | 17             | 22             | 28             | 34 | 54             | 28                        | 250                  | 246                    | 94                   | 5            | M6                | 14                      | 0.3  | PHF FX51-18X47   |
|             | 19         | 47  | 17             | 22             | 28             | 34 | 54             | 28                        | 270                  | 233                    | 93                   | 5            | M6                | 14                      | 0.3  | PHF FX51-19X47   |
|             | 20         | 47  | 17             | 22             | 28             | 34 | 54             | 28                        | 280                  | 220                    | 95                   | 5            | M6                | 17                      | 0.3  | PHF FX51-20X47   |
|             | 22         | 47  | 17             | 22             | 28             | 34 | 54             | 28                        | 300                  | 200                    | 95                   | 5            | M6                | 17                      | 0.3  | PHF FX51-22X47   |
|             | 24         | 50  | 17             | 22             | 28             | 34 | 57             | 28                        | 330                  | 180                    | 90                   | 6            | M6                | 17                      | 0.3  | PHF FX51-24X50   |
|             | 25         | 50  | 17             | 22             | 28             | 34 | 57             | 34                        | 420                  | 210                    | 105                  | 6            | M6                | 17                      | 0.3  | PHF FX51-25X50   |
|             | 28         | 55  | 17             | 22             | 28             | 34 | 62             | 34                        | 470                  | 190                    | 95                   | 6            | M6                | 17                      | 0.4  | PHF FX51-28X55   |
|             | 30         | 55  | 17             | 22             | 28             | 34 | 62             | 34                        | 500                  | 175                    | 95                   | 6            | M6                | 17                      | 0.4  | PHF FX51-30X55   |
|             | 32         | 60  | 17             | 22             | 28             | 34 | 67             | 45                        | 720                  | 220                    | 115                  | 8            | M6                | 17                      | 0.4  | PHF FX51-32X60   |
|             | 35         | 60  | 17             | 22             | 28             | 34 | 67             | 45                        | 790                  | 200                    | 115                  | 8            | M6                | 17                      | 0.4  | PHF FX51-35X60   |
|             | 38         | 65  | 17             | 22             | 28             | 34 | 72             | 45                        | 850                  | 185                    | 105                  | 8            | M6                | 17                      | 0.5  | PHF FX51-38X65   |
|             | 40         | 65  | 17             | 22             | 28             | 34 | 72             | 45                        | 900                  | 175                    | 105                  | 8            | M6                | 17                      | 0.5  | PHF FX51-40X65   |
|             | 42         | 75  | 20             | 25             | 33             | 41 | 82             | 73                        | 1 530                | 225                    | 125                  | 7            | M8                | 41                      | 0.8  | PHF FX51-42X75   |
|             | 45         | 75  | 20             | 25             | 33             | 41 | 82             | 73                        | 1 650                | 215                    | 125                  | 7            | M8                | 41                      | 0.7  | PHF FX51-45X75   |
|             | 48         | 80  | 20             | 25             | 33             | 41 | 87             | 73                        | 1 760                | 200                    | 120                  | 7            | M8                | 41                      | 0.8  | PHF FX51-48X80   |
|             | 50         | 80  | 20             | 25             | 33             | 41 | 87             | 73                        | 1 830                | 195                    | 120                  | 7            | M8                | 41                      | 0.8  | PHF FX51-50X80   |
|             | 55         | 85  | 20             | 25             | 33             | 41 | 92             | 83.5                      | 2 300                | 200                    | 130                  | 8            | M8                | 41                      | 0.9  | PHF FX51-55X85   |
|             | 60         | 90  | 20             | 25             | 33             | 41 | 97             | 83.5                      | 2 510                | 185                    | 125                  | 8            | M8                | 41                      | 0.9  | PHF FX51-60X90   |
|             | 65         | 95  | 20             | 25             | 33             | 41 | 102            | 94                        | 3 060                | 190                    | 130                  | 9            | M8                | 41                      | 1    | PHF FX51-65X95   |
|             | 70         | 110 | 24             | 30             | 40             | 50 | 117            | 133                       | 4 670                | 210                    | 135                  | 8            | M10               | 83                      | 1.9  | PHF FX51-70X110  |
|             | 75         | 115 | 24             | 30             | 40             | 50 | 122            | 133                       | 5 000                | 195                    | 125                  | 8            | M10               | 83                      | 2    | PHF FX51-75X115  |
|             | 80         | 120 | 24             | 30             | 40             | 50 | 127            | 133                       | 5 300                | 185                    | 125                  | 8            | M10               | 83                      | 2    | PHF FX51-80X120  |
|             | 85         | 125 | 24             | 30             | 40             | 50 | 132            | 148                       | 6 300                | 195                    | 135                  | 9            | M10               | 83                      | 2    | PHF FX51-85X125  |
|             | 90         | 130 | 24             | 30             | 40             | 50 | 137            | 148                       | 6 750                | 185                    | 130                  | 9            | M10               | 83                      | 2.2  | PHF FX51-90X130  |
|             | 95         | 135 | 24             | 30             | 40             | 50 | 142            | 166                       | 7 900                | 195                    | 135                  | 10           | M10               | 83                      | 2.3  | PHF FX51-95X135  |
|             | 100        | 145 | 26             | 32             | 44             | 56 | 152            | 194                       | 9 700                | 200                    | 140                  | 8            | M12               | 145                     | 3    | PHF FX51-100X145 |
|             | 110        | 155 | 26             | 32             | 44             | 56 | 162            | 194                       | 10 600               | 180                    | 130                  | 8            | M12               | 145                     | 3.2  | PHF FX51-110X155 |
|             | 120        | 165 | 26             | 32             | 44             | 56 | 172            | 216                       | 13 000               | 185                    | 135                  | 9            | M12               | 145                     | 3.4  | PHF FX51-120X165 |
|             | 130        | 180 | 34             | 40             | 54             | 64 | 187            | 290                       | 18 900               | 175                    | 125                  | 12           | M12               | 145                     | 5.2  | PHF FX51-130X180 |
|             | 140        | 190 | 34             | 40             | 54             | 68 | 197            | 290                       | 20 500               | 165                    | 120                  | 9            | M14               | 230                     | 5.4  | PHF FX51-140X190 |
|             | 150        | 200 | 34             | 40             | 54             | 68 | 207            | 333                       | 25 000               | 175                    | 130                  | 10           | M14               | 230                     | 5.7  | PHF FX51-150X200 |
|             | 160        | 210 | 34             | 40             | 54             | 68 | 217            | 362                       | 29 000               | 180                    | 135                  | 11           | M14               | 230                     | 6    | PHF FX51-160X210 |
|             | 170        | 225 | 44             | 50             | 64             | 78 | 232            | 400                       | 34 000               | 140                    | 105                  | 12           | M14               | 230                     | 8.3  | PHF FX51-170X225 |
|             | 180        | 235 | 44             | 50             | 64             | 78 | 242            | 400                       | 36 000               | 135                    | 105                  | 12           | M14               | 230                     | 8.8  | PHF FX51-180X235 |
|             | 190        | 250 | 44             | 50             | 64             | 78 | 257            | 500                       | 47 500               | 160                    | 120                  | 15           | M14               | 230                     | 10   | PHF FX51-190X250 |
|             | 200        | 260 | 44             | 50             | 64             | 78 | 267            | 500                       | 50 000               | 150                    | 115                  | 15           | M14               | 230                     | 10.5 | PHF FX51-200X260 |

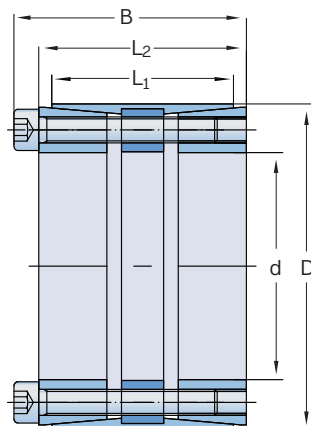
FX keyless bushings  
FX52



FX52

| Bushing no. | Dimensions           |    |                |                |                |      |                | Transmissible axial force<br>$F_t$ | Transmissible torque<br>$M_t$ | Shaft surface pressure<br>$P_w$ | Hub surface pressure<br>$P_n$ | Clamp screws | Clamp screws size | Screw tightening torque<br>$M_s$ | Mass | Designation    |
|-------------|----------------------|----|----------------|----------------|----------------|------|----------------|------------------------------------|-------------------------------|---------------------------------|-------------------------------|--------------|-------------------|----------------------------------|------|----------------|
|             | d                    | D  | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B    | D <sub>1</sub> |                                    |                               |                                 |                               |              |                   |                                  |      |                |
| –           | mm                   |    |                |                |                |      |                | kN                                 | Nm                            | N/mm <sup>2</sup>               |                               |              |                   | Nm                               | kg   | –              |
| <b>FX52</b> |                      |    |                |                |                |      |                |                                    |                               |                                 |                               |              |                   |                                  |      |                |
|             | <b>Normal series</b> |    |                |                |                |      |                |                                    |                               |                                 |                               |              |                   |                                  |      |                |
| 14          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 18.1                               | 120                           | 205                             | 55                            | 3            | M8                | 25.0                             | 0.50 | PHF FX52-14X55 |
| 16          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 18.1                               | 140                           | 180                             | 55                            | 3            | M8                | 25.0                             | 0.50 | PHF FX52-16X55 |
| 18          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 18.1                               | 150                           | 160                             | 55                            | 3            | M8                | 25.0                             | 0.50 | PHF FX52-18X55 |
| 19          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 18.1                               | 160                           | 150                             | 55                            | 3            | M8                | 25.0                             | 0.50 | PHF FX52-19X55 |
| 20          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 18.1                               | 170                           | 145                             | 55                            | 3            | M8                | 25.0                             | 0.50 | PHF FX52-20X55 |
| 22          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 25.3                               | 280                           | 185                             | 75                            | 3            | M8                | 35.0                             | 0.50 | PHF FX52-22X55 |
| 24          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 25.3                               | 300                           | 170                             | 75                            | 3            | M8                | 35.0                             | 0.50 | PHF FX52-24X55 |
| 25          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 25.3                               | 310                           | 165                             | 75                            | 3            | M8                | 35.0                             | 0.50 | PHF FX52-25X55 |
| 28          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 31.4                               | 430                           | 175                             | 90                            | 3            | M8                | 41.0                             | 0.40 | PHF FX52-28X55 |
| 30          | 55                   |    | 17             | 22.0           |                | 38.0 |                | 31.4                               | 470                           | 165                             | 90                            | 3            | M8                | 41.0                             | 0.40 | PHF FX52-30X55 |
|             | <b>Medium series</b> |    |                |                |                |      |                |                                    |                               |                                 |                               |              |                   |                                  |      |                |
| 24          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 37.4                               | 440                           | 245                             | 90                            | 5            | M8                | 30.0                             | 0.70 | PHF FX52-24X65 |
| 25          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 37.4                               | 460                           | 235                             | 90                            | 5            | M8                | 30.0                             | 0.70 | PHF FX52-25X65 |
| 28          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 43.6                               | 600                           | 245                             | 105                           | 5            | M8                | 35.0                             | 0.60 | PHF FX52-28X65 |
| 30          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 43.6                               | 640                           | 230                             | 105                           | 5            | M8                | 35.0                             | 0.60 | PHF FX52-30X65 |
| 32          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 43.6                               | 690                           | 215                             | 105                           | 5            | M8                | 35.0                             | 0.60 | PHF FX52-32X65 |
| 35          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 52.5                               | 910                           | 235                             | 130                           | 5            | M8                | 41.0                             | 0.50 | PHF FX52-35X65 |
| 38          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 52.5                               | 990                           | 220                             | 130                           | 5            | M8                | 41.0                             | 0.50 | PHF FX52-38X65 |
| 40          | 65                   |    | 17             | 22.0           |                | 38.0 |                | 52.5                               | 1050                          | 205                             | 130                           | 5            | M8                | 41.0                             | 0.50 | PHF FX52-40X65 |
|             | <b>Large series</b>  |    |                |                |                |      |                |                                    |                               |                                 |                               |              |                   |                                  |      |                |
| 30          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 52.4                               | 780                           | 235                             | 90                            | 7            | M8                | 30.0                             | 1.00 | PHF FX52-30X80 |
| 32          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 52.4                               | 830                           | 220                             | 90                            | 7            | M8                | 30.0                             | 1.00 | PHF FX52-32X80 |
| 35          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 61.0                               | 1060                          | 230                             | 100                           | 7            | M8                | 35.0                             | 1.00 | PHF FX52-35X80 |
| 38          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 61.0                               | 1150                          | 215                             | 100                           | 7            | M8                | 35.0                             | 1.00 | PHF FX52-38X80 |
| 40          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 61.0                               | 1220                          | 205                             | 100                           | 7            | M8                | 35.0                             | 0.90 | PHF FX52-40X80 |
| 42          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 73.5                               | 1540                          | 235                             | 120                           | 7            | M8                | 41.0                             | 0.90 | PHF FX52-42X80 |
| 45          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 73.5                               | 1650                          | 220                             | 120                           | 7            | M8                | 41.0                             | 0.80 | PHF FX52-45X80 |
| 48          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 73.5                               | 1760                          | 205                             | 120                           | 7            | M8                | 41.0                             | 0.80 | PHF FX52-48X80 |
| 50          | 80                   | 20 |                | 25.0           |                | 41.0 |                | 73.5                               | 1830                          | 195                             | 120                           | 7            | M8                | 41.0                             | 0.80 | PHF FX52-50X80 |

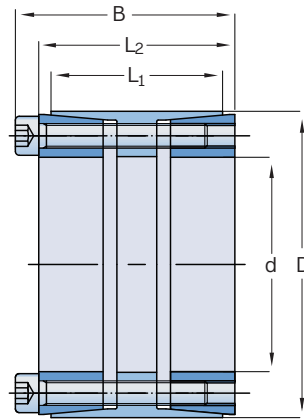
FX keyless bushings  
FX60



FX60

| Bushing no. | Dimensions |     |                |                |     | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|-----|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | B   | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          |      |                  |
| –           | mm         |     |                |                |     | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      | kg   | –                |
| FX60        | 25         | 50  | 39             | 45             | 51  | 79                        | 950                  | 245                    | 122                  | 6            | M6                | 17                      | 0.4  | PHF FX60-25X50   |
|             | 28         | 55  | 39             | 45             | 51  | 59                        | 1 102                | 176                    | 78                   | 8            | M6                | 17                      | 0.6  | PHF FX60-28X55   |
|             | 30         | 55  | 39             | 45             | 51  | 79                        | 1 185                | 219                    | 103                  | 8            | M6                | 17                      | 0.5  | PHF FX60-30X55   |
|             | 32         | 60  | 39             | 45             | 51  | 76                        | 1 200                | 190                    | 107                  | 8            | M6                | 17                      | 0.6  | PHF FX60-32X60   |
|             | 35         | 60  | 39             | 45             | 51  | 79                        | 1 380                | 187                    | 95                   | 8            | M6                | 17                      | 0.5  | PHF FX60-32X60   |
|             | 38         | 65  | 39             | 45             | 51  | 99                        | 1 494                | 216                    | 109                  | 8            | M6                | 17                      | 0.7  | PHF FX60-35X60   |
|             | 40         | 65  | 39             | 45             | 51  | 76                        | 1 576                | 205                    | 109                  | 8            | M6                | 17                      | 0.6  | PHF FX60-40X65   |
|             | 42         | 75  | 39             | 45             | 51  | 146                       | 2 997                | 289                    | 140                  | 8            | M8                | 41                      | 1.2  | PHF FX60-42X75   |
|             | 45         | 75  | 56             | 64             | 72  | 141                       | 3 150                | 175                    | 105                  | 8            | M8                | 41                      | 1.3  | PHF FX60-45X75   |
|             | 48         | 80  | 56             | 64             | 72  | 171                       | 4 100                | 205                    | 101                  | 8            | M8                | 41                      | 1.4  | PHF FX60-48X80   |
|             | 50         | 80  | 56             | 64             | 72  | 166                       | 4 150                | 158                    | 98                   | 8            | M8                | 41                      | 1.30 | PHF FX60-50X80   |
|             | 55         | 85  | 56             | 64             | 72  | 166                       | 4 550                | 143                    | 93                   | 8            | M8                | 41                      | 1.36 | PHF FX60-55X85   |
|             | 60         | 90  | 56             | 64             | 72  | 207                       | 6 200                | 164                    | 109                  | 10           | M8                | 41                      | 1.46 | PHF FX60-60X90   |
|             | 65         | 95  | 56             | 64             | 72  | 207                       | 6 750                | 152                    | 104                  | 10           | M8                | 41                      | 1.55 | PHF FX60-65X95   |
|             | 70         | 110 | 70             | 78             | 88  | 330                       | 11 550               | 179                    | 114                  | 10           | M10               | 83                      | 2.90 | PHF FX60-70X110  |
|             | 75         | 115 | 70             | 78             | 88  | 330                       | 12 350               | 167                    | 109                  | 10           | M10               | 83                      | 3.00 | PHF FX60-75X115  |
|             | 80         | 120 | 70             | 78             | 88  | 396                       | 15 800               | 188                    | 125                  | 11           | M10               | 83                      | 3.30 | PHF FX60-80X120  |
|             | 85         | 125 | 70             | 78             | 88  | 396                       | 16 800               | 177                    | 120                  | 12           | M10               | 83                      | 3.40 | PHF FX60-85X125  |
|             | 90         | 130 | 70             | 78             | 88  | 396                       | 17 800               | 167                    | 115                  | 12           | M10               | 83                      | 3.50 | PHF FX60-90X130  |
|             | 95         | 135 | 70             | 78             | 88  | 396                       | 18 800               | 158                    | 111                  | 12           | M10               | 83                      | 3.70 | PHF FX60-95X135  |
|             | 100        | 145 | 90             | 100            | 112 | 576                       | 28 800               | 170                    | 117                  | 11           | M12               | 145                     | 5.50 | PHF FX60-100X145 |
|             | 110        | 155 | 90             | 100            | 112 | 576                       | 31 700               | 155                    | 110                  | 12           | M12               | 145                     | 6.00 | PHF FX60-110X155 |
|             | 120        | 165 | 90             | 100            | 112 | 673                       | 40 300               | 165                    | 120                  | 14           | M12               | 145                     | 6.40 | PHF FX60-120X165 |
|             | 130        | 180 | 104            | 116            | 130 | 791                       | 51 400               | 155                    | 112                  | 12           | M14               | 230                     | 10.0 | PHF FX60-130X180 |
|             | 140        | 190 | 104            | 116            | 130 | 923                       | 64 600               | 168                    | 124                  | 14           | M14               | 230                     | 10.0 | PHF FX60-140X190 |
|             | 150        | 200 | 104            | 116            | 130 | 1 055                     | 79 100               | 179                    | 135                  | 15           | M14               | 230                     | 10.3 | PHF FX60-150X200 |
|             | 160        | 210 | 104            | 116            | 130 | 1 055                     | 84 400               | 168                    | 128                  | 16           | M14               | 230                     | 12.4 | PHF FX60-160X210 |
|             | 170        | 225 | 134            | 146            | 162 | 1 283                     | 109 000              | 149                    | 113                  | 14           | M16               | 355                     | 15.7 | PHF FX60-170X225 |
|             | 180        | 235 | 134            | 146            | 162 | 1 466                     | 132 000              | 161                    | 124                  | 15           | M16               | 355                     | 17.6 | PHF FX60-180X235 |
|             | 190        | 250 | 134            | 146            | 162 | 1 466                     | 139 000              | 153                    | 116                  | 16           | M16               | 355                     | 19.6 | PHF FX60-190X250 |
|             | 200        | 260 | 134            | 146            | 162 | 1 466                     | 146 500              | 145                    | 112                  | 16           | M16               | 355                     | 21.5 | PHF FX60-200X260 |
|             | 220        | 285 | 134            | 146            | 162 | 1 833                     | 201 500              | 165                    | 127                  | 18           | M16               | 355                     | 25.0 | PHF FX60-220X285 |
|             | 240        | 305 | 134            | 146            | 162 | 2 017                     | 242 000              | 166                    | 131                  | 20           | M16               | 355                     | 27.0 | PHF FX60-240X305 |
|             | 260        | 325 | 134            | 146            | 162 | 2 017                     | 262 000              | 154                    | 123                  | 21           | M16               | 355                     | 30.0 | PHF FX60-260X325 |
|             | 280        | 355 | 165            | 177            | 197 | 2 862                     | 400 000              | 164                    | 130                  | 18           | M20               | 690                     | 49.8 | PHF FX60-280X355 |
|             | 300        | 375 | 165            | 177            | 197 | 3 148                     | 472 000              | 169                    | 135                  | 20           | M20               | 690                     | 50.0 | PHF FX60-300X375 |
|             | 320        | 405 | 165            | 177            | 197 | 3 148                     | 503 500              | 158                    | 125                  | 21           | M20               | 690                     | 60.0 | PHF FX60-320X405 |
|             | 340        | 425 | 165            | 177            | 197 | 3 434                     | 583 500              | 162                    | 130                  | 22           | M20               | 690                     | 65.0 | PHF FX60-340X425 |
|             | 360        | 455 | 190            | 202            | 224 | 3 918                     | 705 000              | 152                    | 120                  | 21           | M22               | 930                     | 89.0 | PHF FX60-360X455 |
|             | 380        | 475 | 190            | 202            | 224 | 4 631                     | 880 000              | 170                    | 136                  | 22           | M22               | 930                     | 93.0 | PHF FX60-380X475 |
|             | 400        | 495 | 190            | 202            | 224 | 4 631                     | 926 000              | 162                    | 131                  | 24           | M22               | 930                     | 98.0 | PHF FX60-400X495 |

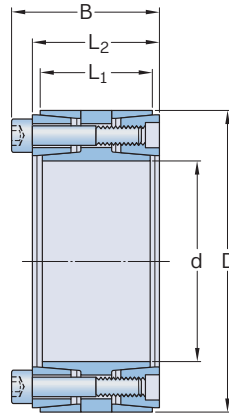
FX keyless bushings  
FX61



FX61

| Bushing no. | Dimensions |     |                |                |     | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|-----|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | B   | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          |      |                  |
| –           | mm         |     |                |                |     | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      | kg   | –                |
| FX61        | 25         | 50  | 39             | 45             | 51  | 79                        | 950                  | 245                    | 122                  | 6            | M6                | 17                      | 0.5  | PHF FX61-25X50   |
|             | 28         | 55  | 39             | 45             | 51  | 59                        | 1102                 | 176                    | 78                   | 8            | M6                | 17                      | 0.6  | PHF FX61-28X55   |
|             | 30         | 55  | 39             | 45             | 51  | 79                        | 1185                 | 219                    | 103                  | 8            | M6                | 17                      | 0.6  | PHF FX61-30X55   |
|             | 32         | 60  | 39             | 45             | 51  | 76                        | 1 200                | 190                    | 107                  | 8            | M6                | 17                      | 0.55 | PHF FX60-32X60   |
|             | 35         | 60  | 39             | 45             | 51  | 79                        | 1 380                | 187                    | 95                   | 8            | M6                | 17                      | 0.7  | PHF FX61-35X60   |
|             | 38         | 65  | 39             | 45             | 51  | 99                        | 1 494                | 216                    | 109                  | 8            | M6                | 17                      | 0.7  | PHF FX61-38X65   |
|             | 40         | 65  | 39             | 45             | 51  | 76                        | 1 576                | 205                    | 109                  | 8            | M6                | 17                      | 0.7  | PHF FX61-40X65   |
|             | 42         | 75  | 39             | 45             | 51  | 146                       | 2 997                | 289                    | 140                  | 8            | M8                | 41                      | 1    | PHF FX61-42X75   |
|             | 45         | 75  | 56             | 64             | 72  | 141                       | 3 150                | 175                    | 105                  | 8            | M8                | 41                      | 0.9  | PHF FX61-45X75   |
|             | 48         | 80  | 56             | 64             | 72  | 171                       | 4 100                | 205                    | 101                  | 8            | M8                | 41                      | 1.4  | PHF FX61-48X80   |
|             | 50         | 80  | 56             | 64             | 72  | 171                       | 4 270                | 197                    | 101                  | 8            | M8                | 41                      | 1.3  | PHF FX61-50X80   |
|             | 55         | 85  | 56             | 64             | 72  | 192                       | 5 280                | 202                    | 107                  | 8            | M8                | 41                      | 1.5  | PHF FX61-55X85   |
|             | 60         | 90  | 56             | 64             | 72  | 214                       | 6 410                | 205                    | 112                  | 10           | M8                | 41                      | 1.6  | PHF FX61-60X90   |
|             | 65         | 95  | 56             | 64             | 72  | 214                       | 6 945                | 190                    | 107                  | 10           | M8                | 41                      | 1.8  | PHF FX61-65X95   |
|             | 70         | 110 | 70             | 78             | 88  | 339                       | 11 800               | 222                    | 107                  | 10           | M10               | 83                      | 3    | PHF FX61-70X110  |
|             | 75         | 115 | 70             | 78             | 88  | 339                       | 12 700               | 207                    | 112                  | 10           | M10               | 83                      | 3.3  | PHF FX61-75X115  |
|             | 80         | 120 | 70             | 78             | 88  | 373                       | 14 900               | 213                    | 118                  | 11           | M10               | 83                      | 3.5  | PHF FX61-80X120  |
|             | 85         | 125 | 70             | 78             | 88  | 407                       | 17 300               | 219                    | 123                  | 12           | M10               | 83                      | 3.7  | PHF FX61-85X125  |
|             | 90         | 130 | 70             | 78             | 88  | 407                       | 18 300               | 207                    | 119                  | 12           | M10               | 83                      | 3.8  | PHF FX61-90X130  |
|             | 95         | 135 | 70             | 78             | 88  | 407                       | 19 300               | 196                    | 114                  | 12           | M10               | 83                      | 5    | PHF FX61-95X135  |
|             | 100        | 145 | 90             | 100            | 112 | 544                       | 27 100               | 206                    | 110                  | 11           | M12               | 145                     | 6    | PHF FX61-100X145 |
|             | 110        | 155 | 90             | 100            | 112 | 593                       | 32 600               | 204                    | 113                  | 12           | M12               | 145                     | 6.2  | PHF FX61-110X155 |
|             | 120        | 165 | 90             | 100            | 112 | 692                       | 41 500               | 218                    | 124                  | 14           | M12               | 145                     | 7.2  | PHF FX61-120X165 |
|             | 130        | 180 | 104            | 116            | 130 | 817                       | 52 800               | 198                    | 115                  | 12           | M14               | 230                     | 10   | PHF FX61-130X180 |
|             | 140        | 190 | 104            | 116            | 130 | 949                       | 66 400               | 214                    | 127                  | 14           | M14               | 230                     | 10.2 | PHF FX61-140X190 |
|             | 150        | 200 | 104            | 116            | 130 | 1 017                     | 76 200               | 214                    | 130                  | 15           | M14               | 230                     | 10.8 | PHF FX61-150X200 |
|             | 160        | 210 | 104            | 116            | 130 | 1 085                     | 86 700               | 214                    | 132                  | 16           | M14               | 230                     | 11.5 | PHF FX61-160X210 |
|             | 170        | 225 | 134            | 146            | 162 | 1 319                     | 112 000              | 196                    | 116                  | 14           | M16               | 355                     | 17   | PHF FX61-170X225 |
|             | 180        | 235 | 134            | 146            | 162 | 1 413                     | 127 000              | 198                    | 119                  | 15           | M16               | 355                     | 18.5 | PHF FX61-180X235 |
|             | 190        | 250 | 134            | 146            | 162 | 1 508                     | 143 000              | 200                    | 119                  | 16           | M16               | 355                     | 21.5 | PHF FX61-190X250 |
|             | 200        | 260 | 134            | 146            | 162 | 1 508                     | 150 000              | 190                    | 115                  | 16           | M16               | 355                     | 22   | PHF FX61-200X260 |
|             | 220        | 285 | 134            | 146            | 162 | 1 696                     | 186 000              | 195                    | 118                  | 18           | M16               | 355                     | 25   | PHF FX61-220X285 |
|             | 240        | 305 | 134            | 146            | 162 | 1 885                     | 226 000              | 198                    | 118                  | 20           | M16               | 355                     | 27   | PHF FX61-240X305 |
|             | 260        | 325 | 134            | 146            | 162 | 1 979                     | 257 000              | 192                    | 121                  | 21           | M16               | 355                     | 30   | PHF FX61-260X325 |
|             | 280        | 355 | 165            | 177            | 197 | 2 648                     | 370 000              | 197                    | 120                  | 18           | M20               | 690                     | 46   | PHF FX61-280X355 |
|             | 300        | 375 | 165            | 177            | 197 | 2 942                     | 441 000              | 205                    | 126                  | 20           | M20               | 690                     | 50   | PHF FX61-300X375 |
|             | 320        | 405 | 165            | 177            | 197 | 3 089                     | 494 000              | 202                    | 123                  | 21           | M20               | 690                     | 60   | PHF FX61-320X405 |
|             | 340        | 425 | 165            | 177            | 197 | 3 236                     | 550 000              | 199                    | 122                  | 22           | M20               | 690                     | 65   | PHF FX61-340X425 |
|             | 360        | 455 | 190            | 202            | 224 | 3 845                     | 692 000              | 193                    | 118                  | 21           | M22               | 930                     | 89   | PHF FX61-360X455 |
|             | 380        | 475 | 190            | 202            | 224 | 4 028                     | 765 000              | 191                    | 118                  | 22           | M22               | 930                     | 93   | PHF FX61-380X475 |
|             | 400        | 495 | 190            | 202            | 224 | 4 394                     | 878 000              | 198                    | 124                  | 24           | M22               | 930                     | 98   | PHF FX61-400X495 |

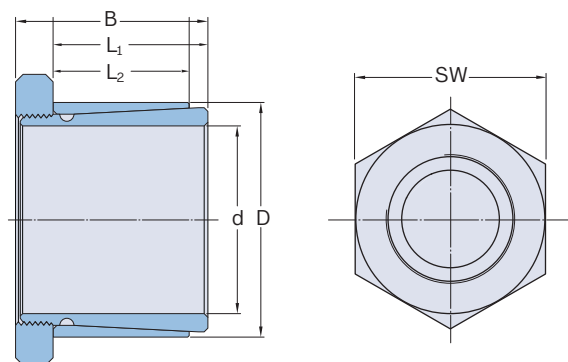
FX keyless bushings  
FX65



FX65

| Bushing no. | Dimensions |     |                |                |                |     |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|-----|----------------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B   | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          | kg   | —                |
| —           | mm         |     |                |                |                |     |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      |      | —                |
| FX65        | 100        | 145 | 60             | 65             | -              | 77  | -              | 291                       | 14 540               | 194                    | 133                  | 10           | M12               | 145                     | 4.10 | PHF FX65-100x145 |
|             | 110        | 155 | 60             | 65             | -              | 77  | -              | 297                       | 163 000              | 180                    | 127                  | 10           | M12               | 145                     | 4.40 | PHF FX65-110x155 |
|             | 120        | 165 | 60             | 65             | -              | 77  | -              | 332                       | 20 000               | 184                    | 133                  | 12           | M12               | 145                     | 4.80 | PHF FX65-120x165 |
|             | 130        | 180 | 68             | 74             | -              | 86  | -              | 424                       | 27 500               | 189                    | 136                  | 15           | M12               | 145                     | 6.50 | PHF FX65-130x180 |
|             | 140        | 190 | 68             | 74             | -              | 86  | -              | 514                       | 38 100               | 225                    | 165                  | 18           | M12               | 145                     | 7.00 | PHF FX65-140x190 |
|             | 150        | 200 | 68             | 74             | -              | 86  | -              | 345                       | 38 600               | 198                    | 149                  | 18           | M12               | 145                     | 7.40 | PHF FX65-150x200 |
|             | 160        | 210 | 68             | 74             | -              | 86  | -              | 636                       | 50 900               | 230                    | 175                  | 20           | M12               | 145                     | 7.80 | PHF FX65-160x210 |
|             | 170        | 225 | 75             | 81             | -              | 75  | -              | 676                       | 60 900               | 217                    | 164                  | 18           | M14               | 230                     | 10.0 | PHF FX65-170x225 |
|             | 180        | 235 | 75             | 81             | -              | 75  | -              | 719                       | 61 200               | 193                    | 147                  | 18           | M14               | 230                     | 10.6 | PHF FX65-180x235 |
|             | 190        | 250 | 88             | 94             | -              | 88  | -              | 816                       | 77 500               | 183                    | 139                  | 20           | M14               | 230                     | 14.3 | PHF FX65-190x250 |
|             | 200        | 260 | 88             | 94             | -              | 88  | -              | 920                       | 97 000               | 211                    | 162                  | 22           | M14               | 230                     | 15.0 | PHF FX65-200x260 |
|             | 210        | 275 | 98             | 104            | -              | 89  | -              | 980                       | 99 000               | 178                    | 135                  | 18           | M16               | 355                     | 17.5 | PHF FX65-210x275 |
|             | 220        | 285 | 98             | 104            | -              | 120 | -              | 990                       | 108 000              | 181                    | 140                  | 18           | M16               | 355                     | 19.8 | PHF FX65-220x285 |
|             | 240        | 305 | 98             | 104            | -              | 120 | -              | 1 300                     | 156 000              | 220                    | 174                  | 22           | M16               | 355                     | 21.4 | PHF FX65-240x305 |
|             | 250        | 315 | 98             | 104            | -              | 120 | -              | 1 340                     | 168 000              | 215                    | 170                  | 22           | M16               | 355                     | 22.0 | PHF FX65-250x315 |
|             | 260        | 325 | 95             | 104            | -              | 120 | -              | 1 420                     | 185 000              | 224                    | 179                  | 24           | M16               | 355                     | 23.0 | PHF FX65-260x325 |
|             | 280        | 355 | 120            | 126            | -              | 144 | -              | 1 560                     | 218 000              | 184                    | 146                  | 24           | M18               | 475                     | 35.2 | PHF FX65-280x355 |
|             | 300        | 375 | 120            | 126            | -              | 144 | -              | 1 600                     | 241 000              | 176                    | 142                  | 24           | M18               | 475                     | 37.4 | PHF FX65-300x375 |
|             | 320        | 405 | 135            | 142            | -              | 162 | -              | 2 050                     | 330 000              | 184                    | 146                  | 24           | M20               | 475                     | 51.3 | PHF FX65-320x405 |
|             | 340        | 425 | 135            | 142            | -              | 162 | -              | 2 080                     | 354 000              | 176                    | 140                  | 24           | M20               | 690                     | 54.1 | PHF FX65-340x425 |
|             | 360        | 455 | 158            | 165            | -              | 187 | -              | 2 620                     | 480 000              | 176                    | 139                  | 24           | M22               | 930                     | 75.4 | PHF FX65-360x455 |
|             | 380        | 475 | 158            | 165            | -              | 187 | -              | 2 670                     | 498 000              | 163                    | 130                  | 25           | M22               | 930                     | 79.0 | PHF FX65-380x475 |
|             | 400        | 495 | 158            | 165            | -              | 187 | -              | 2 750                     | 551 000              | 163                    | 132                  | 25           | M22               | 930                     | 82.8 | PHF FX65-400x495 |
|             | 420        | 515 | 158            | 165            | -              | 187 | -              | 3 170                     | 666 000              | 179                    | 148                  | 30           | M22               | 930                     | 86.5 | PHF FX65-420x515 |
|             | 450        | 555 | 172            | 180            | -              | 204 | -              | 3 740                     | 841 000              | 177                    | 143                  | 30           | M24               | 1 200                   | 112  | PHF FX65-450x555 |
|             | 480        | 585 | 172            | 180            | -              | 204 | -              | 3 990                     | 957 000              | 177                    | 144                  | 30           | M24               | 1 200                   | 119  | PHF FX65-480x585 |
|             | 500        | 605 | 172            | 180            | -              | 204 | -              | 3 990                     | 998 000              | 170                    | 140                  | 32           | M24               | 1 200                   | 123  | PHF FX65-500x605 |

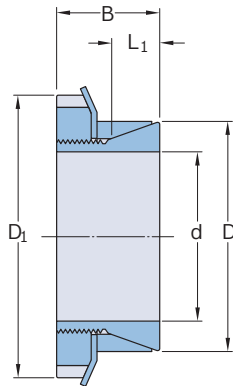
FX keyless bushings  
FX75



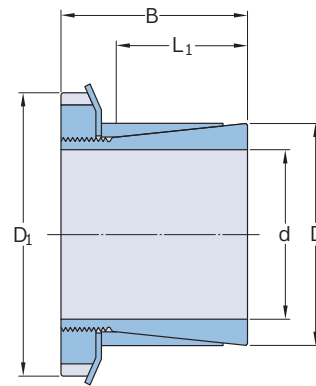
FX75

| Bushing no. | Dimensions |    |    |                |                | Transmissible torque | Locking screw |          |                | Mass  | Designation          |
|-------------|------------|----|----|----------------|----------------|----------------------|---------------|----------|----------------|-------|----------------------|
|             | d          | D  | B  | L <sub>1</sub> | L <sub>2</sub> | M <sub>t</sub>       | SW            | D x TP   | M <sub>s</sub> | kg    |                      |
| –           | mm         |    |    |                |                | Nm                   | –             | –        | Nm             | kg    | –                    |
| FX75        | 3          | 8  | 15 | 12.5           | 11             | 2.5                  | 8             | M6X0.5   | 7.5            | 0.004 | PHF FX75-3X8X15      |
|             | 4          | 8  | 15 | 12.5           | 11             | 3                    | 8             | M6X0.5   | 7.5            | 0.004 | PHF FX75-4X8X15      |
|             | 5          | 10 | 15 | 12.5           | 11             | 4                    | 10            | M8X0.5   | 10             | 0.004 | PHF FX75-5X10X15     |
|             | 6          | 10 | 15 | 12.5           | 11             | 7                    | 10            | M8X0.5   | 10             | 0.005 | PHF FX75-6X10X15     |
|             | 6.35       | 10 | 15 | 12.5           | 11             | 7                    | 10            | M8X0.5   | 10             | 0.006 | PHF FX75-6.35X10X15  |
|             | 7          | 12 | 15 | 12             | 11             | 8                    | 12            | M10X0.75 | 9              | 0.010 | PHF FX75-7X12X15     |
|             | 8          | 14 | 22 | 19             | 16.5           | 14                   | 16            | M12X1    | 15             | 0.018 | PHF FX75-8X14X22     |
|             | 9          | 14 | 22 | 19             | 16.5           | 14                   | 16            | M12X1    | 15             | 0.017 | PHF FX75-9X14X22     |
|             | 9.52       | 14 | 22 | 19             | 16.5           | 14                   | 16            | M152X1   | 15             | 0.015 | PHF FX75-9.52X14X22  |
|             | 10         | 17 | 22 | 18.5           | 16.5           | 18                   | 18            | M15X1    | 19             | 0.025 | PHF FX75-10X17X22    |
|             | 11         | 17 | 22 | 18.5           | 16.5           | 18                   | 18            | M15X1    | 19             | 0.025 | PHF FX75-11X17X22    |
|             | 12         | 17 | 22 | 23             | 16.5           | 18                   | 18            | M15X1    | 19             | 0.020 | PHF FX75-12X17X22    |
|             | 14         | 20 | 28 | 23             | 21             | 24                   | 20            | M17X1    | 25             | 0.035 | PHF FX75-14X20X18    |
|             | 15         | 20 | 28 | 23             | 21             | 24                   | 20            | M17X1    | 25             | 0.030 | PHF FX75-15X20X28    |
|             | 15.88      | 23 | 28 | 23             | 21             | 26                   | 26            | M20X1    | 27             | 0.030 | PHF FX75-15.88X23X28 |
|             | 16         | 23 | 28 | 23             | 21             | 26                   | 26            | M20X1    | 27             | 0.040 | PHF FX75-16X23X28    |
|             | 17         | 23 | 28 | 23             | 21             | 26                   | 26            | M20X1    | 27             | 0.045 | PHF FX75-17X23X28    |
|             | 18         | 25 | 28 | 23             | 21             | 29                   | 27            | M22X1    | 37             | 0.055 | PHF FX75-18X25X28    |
|             | 19         | 25 | 28 | 23             | 21             | 29                   | 27            | M22X1    | 30             | 0.050 | PHF FX75-19X25X28    |
|             | 20         | 28 | 28 | 23             | 21             | 31                   | 30            | M25X1    | 32             | 0.070 | PHF FX75-20X28X28    |
|             | 22         | 25 | 29 | 29             | 27             | 34                   | 32            | M26X1    | 45             | 0.075 | PHF FX75-22X25X29    |
|             | 24         | 32 | 35 | 29             | 27             | 45                   | 34            | M28X1    | 51             | 0.095 | PHF FX75-24X32X35    |
|             | 25         | 32 | 35 | 29             | 27             | 45                   | 34            | M28X1    | 51             | 0.09  | PHF FX75-25X32X35    |
|             | 28         | 36 | 35 | 29             | 27             | 48                   | 38            | M32X1    | 55             | 0.095 | PHF FX75-28X36X35    |
|             | 30         | 37 | 35 | 29             | 27             | 52                   | 38            | M33X1    | 57             | 0.105 | PHF FX75-30X37X35    |
|             | 32         | 51 | 40 | 32             | 29             | 57                   | 45            | M37X1.5  | 64             | 0.165 | PHF FX75-32X51X40    |
|             | 35         | 43 | 40 | 32             | 29             | 63                   | 48            | M39X1.25 | 68             | 0.179 | PHF FX75-35X43X40    |
|             | 38         | 48 | 40 | 32             | 29             | 84                   | 52            | M43X1.5  | 73             | 0.220 | PHF FX75-38X48X40    |
|             | 40         | 50 | 40 | 32             | 29             | 105                  | 55            | M45X1.5  | 76             | 0.249 | PHF FX75-40X50X40    |

FX keyless bushings  
FX80 | FX90



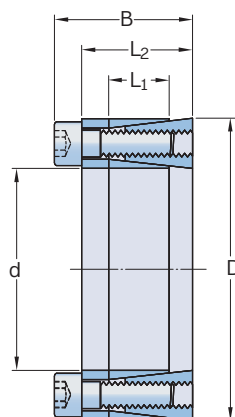
FX80



FX90

| Bushing no. | Dimensions |    |                |      |                | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws size | Clamp screws nut | Screw tightening torque | Mass | Designation    |
|-------------|------------|----|----------------|------|----------------|---------------------------|----------------------|------------------------|----------------------|-------------------|------------------|-------------------------|------|----------------|
|             | d          | D  | L <sub>1</sub> | B    | D <sub>1</sub> | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       |                   |                  | M <sub>s</sub>          | kg   | –              |
| –           | mm         |    |                |      |                | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |                   |                  | Nm                      |      | –              |
| FX80        | 14         | 25 | 6.5            | 16.5 | 32             | 5.1                       | 38                   | 200                    | 110                  | –                 | KM4              | 95.0                    | 0.05 | PHF FX80-14X25 |
|             | 15         | 25 | 6.5            | 16.5 | 32             | 5.5                       | 41                   | 185                    | 110                  | –                 | KM4              | 95.0                    | 0.05 | PHF FX80-15X25 |
|             | 16         | 25 | 6.5            | 16.5 | 32             | 5.5                       | 43                   | 174                    | 110                  | –                 | KM4              | 95.0                    | 0.04 | PHF FX80-16X25 |
|             | 17         | 26 | 6.5            | 16.5 | 32             | 5.5                       | 47                   | 164                    | 107                  | –                 | KM4              | 95.0                    | 0.04 | PHF FX80-17X26 |
|             | 18         | 26 | 6.5            | 16.5 | 32             | 5.4                       | 49                   | 155                    | 107                  | –                 | KM4              | 95.0                    | 0.04 | PHF FX80-18X26 |
|             | 19         | 30 | 6.5            | 18.0 | 38             | 6.6                       | 62                   | 176                    | 112                  | –                 | KM5              | 160.0                   | 0.08 | PHF FX80-19X30 |
|             | 20         | 30 | 6.5            | 18.0 | 38             | 6.6                       | 66                   | 167                    | 111                  | –                 | KM5              | 160.0                   | 0.07 | PHF FX80-20X30 |
|             | 22         | 32 | 6.5            | 18.0 | 38             | 6.6                       | 73                   | 152                    | 105                  | –                 | KM5              | 160.0                   | 0.10 | PHF FX80-22X32 |
|             | 24         | 35 | 6.5            | 18.0 | 45             | 8.8                       | 105                  | 185                    | 127                  | –                 | KM6              | 220.0                   | 0.09 | PHF FX80-24X35 |
|             | 25         | 35 | 6.5            | 18.0 | 45             | 8.8                       | 110                  | 178                    | 127                  | –                 | KM6              | 220.0                   | 0.09 | PHF FX80-25X35 |
|             | 28         | 36 | 6.5            | 18.0 | 45             | 8.6                       | 120                  | 159                    | 124                  | –                 | KM6              | 220.0                   | 0.07 | PHF FX80-28X36 |
|             | 30         | 40 | 7.0            | 19.5 | 52             | 10.6                      | 160                  | 164                    | 123                  | –                 | KM7              | 340.0                   | 0.07 | PHF FX80-30X40 |
|             | 32         | 42 | 7.0            | 19.5 | 52             | 10.6                      | 170                  | 154                    | 117                  | –                 | KM7              | 340.0                   | 0.17 | PHF FX80-32X42 |
|             | 35         | 45 | 8.0            | 21.5 | 58             | 13.1                      | 230                  | 153                    | 120                  | –                 | KM8              | 480.0                   | 0.17 | PHF FX80-35X45 |
|             | 36         | 45 | 8.0            | 21.5 | 58             | 13.3                      | 240                  | 149                    | 120                  | –                 | KM8              | 480.0                   | 0.15 | PHF FX80-36X45 |
|             | 38         | 48 | 8.0            | 21.5 | 58             | 13.1                      | 250                  | 141                    | 112                  | –                 | KM8              | 480.0                   | 0.15 | PHF FX80-38X48 |
|             | 40         | 52 | 10.0           | 24.5 | 65             | 15.5                      | 310                  | 120                    | 93                   | –                 | KM9              | 680.0                   | 0.24 | PHF FX80-40X52 |
|             | 42         | 55 | 10.0           | 25.5 | 65             | 15.2                      | 320                  | 114                    | 87                   | –                 | KM9              | 680.0                   | 0.25 | PHF FX80-42X55 |
|             | 45         | 57 | 10.0           | 25.5 | 70             | 17.7                      | 400                  | 122                    | 96                   | –                 | KM10             | 870.0                   | 0.28 | PHF FX80-45X57 |
|             | 48         | 62 | 10.0           | 25.5 | 75             | 20.8                      | 500                  | 135                    | 105                  | –                 | KM11             | 970.0                   | 0.32 | PHF FX80-48X62 |
|             | 50         | 62 | 10.0           | 25.5 | 75             | 20.8                      | 520                  | 130                    | 105                  | –                 | KM11             | 970.0                   | 0.30 | PHF FX80-50X62 |
|             | 55         | 68 | 12.0           | 27.5 | 80             | 22.0                      | 610                  | 103                    | 84                   | –                 | KM12             | 1100.0                  | 0.36 | PHF FX80-55X68 |
|             | 56         | 68 | 12.0           | 27.5 | 80             | 22.0                      | 620                  | 101                    | 82                   | –                 | KM12             | 1100.0                  | 0.34 | PHF FX80-56X68 |
|             | 60         | 73 | 12.0           | 28.5 | 85             | 26.6                      | 800                  | 113                    | 93                   | –                 | KM13             | 1300.0                  | 0.40 | PHF FX80-60X73 |
|             | 63         | 79 | 14.0           | 30.5 | 92             | 31.1                      | 980                  | 107                    | 86                   | –                 | KM14             | 1600.0                  | 0.56 | PHF FX80-63X79 |
|             | 65         | 79 | 14.0           | 30.5 | 92             | 31.1                      | 1010                 | 104                    | 86                   | –                 | KM14             | 1600.0                  | 0.52 | PHF FX80-65X79 |
|             | 70         | 84 | 14.0           | 31.5 | 98             | 35.4                      | 1240                 | 110                    | 92                   | –                 | KM15             | 2000.0                  | 0.60 | PHF FX80-70X84 |
| FX90        | 14         | 25 | 20.0           | 30.0 | 32             | 9.0                       | 64                   | 85                     | 45                   | KM4               | –                | 95.0                    | 0.08 | PHF FX90-14X25 |
|             | 15         | 25 | 20.0           | 30.0 | 32             | 9.0                       | 70                   | 80                     | 45                   | KM4               | –                | 95.0                    | 0.08 | PHF FX90-15X25 |
|             | 16         | 25 | 20.0           | 30.0 | 32             | 9.0                       | 73                   | 75                     | 45                   | KM4               | –                | 95.0                    | 0.07 | PHF FX90-16X25 |
|             | 17         | 25 | 20.0           | 32.0 | 32             | 9.0                       | 80                   | 70                     | 45                   | KM4               | –                | 160.0                   | 0.07 | PHF FX90-17X25 |
|             | 18         | 30 | 20.0           | 32.0 | 38             | 9.0                       | 83                   | 65                     | 40                   | KM4               | –                | 160.0                   | 0.12 | PHF FX90-18X30 |
|             | 19         | 30 | 20.0           | 32.0 | 38             | 11.0                      | 105                  | 75                     | 45                   | KM5               | –                | 160.0                   | 0.12 | PHF FX90-19X30 |
|             | 20         | 30 | 20.0           | 32.0 | 38             | 11.0                      | 112                  | 70                     | 45                   | KM5               | –                | 160.0                   | 0.11 | PHF FX90-20X30 |
|             | 22         | 35 | 25.0           | 36.0 | 45             | 14.0                      | 163                  | 70                     | 45                   | KM6               | –                | 220.0                   | 0.18 | PHF FX90-22X35 |
|             | 24         | 35 | 25.0           | 36.0 | 45             | 14.0                      | 178                  | 65                     | 45                   | KM6               | –                | 220.0                   | 0.16 | PHF FX90-24X35 |
|             | 25         | 35 | 25.0           | 36.0 | 45             | 14.0                      | 185                  | 60                     | 45                   | KM6               | –                | 220.0                   | 0.15 | PHF FX90-25X35 |
|             | 28         | 40 | 30.0           | 42.0 | 52             | 17.0                      | 250                  | 55                     | 40                   | KM7               | –                | 340.0                   | 0.24 | PHF FX90-28X40 |
|             | 30         | 40 | 30.0           | 42.0 | 52             | 17.0                      | 270                  | 50                     | 40                   | KM7               | –                | 340.0                   | 0.21 | PHF FX90-30X40 |
|             | 32         | 45 | 30.0           | 44.0 | 58             | 21.0                      | 350                  | 60                     | 45                   | KM8               | –                | 480.0                   | 0.32 | PHF FX90-32X45 |
|             | 35         | 45 | 30.0           | 44.0 | 58             | 21.0                      | 390                  | 55                     | 45                   | KM8               | –                | 480.0                   | 0.26 | PHF FX90-35X45 |
|             | 38         | 50 | 30.0           | 45.0 | 65             | 26.0                      | 500                  | 60                     | 45                   | KM9               | –                | 680.0                   | 0.35 | PHF FX90-38X50 |
|             | 40         | 50 | 30.0           | 45.0 | 65             | 26.0                      | 520                  | 55                     | 45                   | KM9               | –                | 680.0                   | 0.33 | PHF FX90-40X50 |
|             | 42         | 55 | 30.0           | 46.0 | 70             | 30.0                      | 680                  | 60                     | 50                   | KM10              | –                | 870.0                   | 0.43 | PHF FX90-42X55 |
|             | 45         | 55 | 30.0           | 46.0 | 70             | 30.0                      | 680                  | 60                     | 50                   | KM10              | –                | 870.0                   | 0.39 | PHF FX90-45X55 |
|             | 48         | 60 | 30.0           | 46.0 | 75             | 35.0                      | 840                  | 60                     | 50                   | KM11              | –                | 970.0                   | 0.45 | PHF FX90-48X60 |
|             | 50         | 60 | 30.0           | 46.0 | 75             | 35.0                      | 880                  | 60                     | 50                   | KM11              | –                | 970.0                   | 0.40 | PHF FX90-50X60 |
|             | 55         | 65 | 30.0           | 46.0 | 80             | 37.0                      | 1030                 | 60                     | 50                   | KM12              | –                | 1100.0                  | 0.44 | PHF FX90-55X65 |
|             | 60         | 70 | 30.0           | 52.0 | 85             | 45.0                      | 1360                 | 65                     | 55                   | KM13              | –                | 1300.0                  | 0.55 | PHF FX90-60X70 |

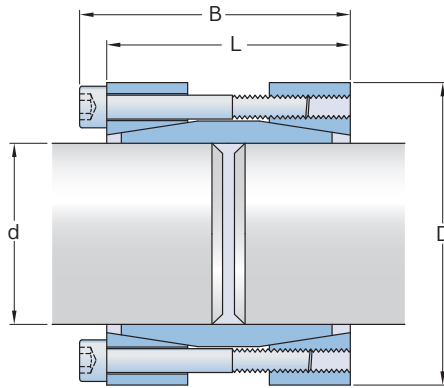
FX keyless bushings  
FX120



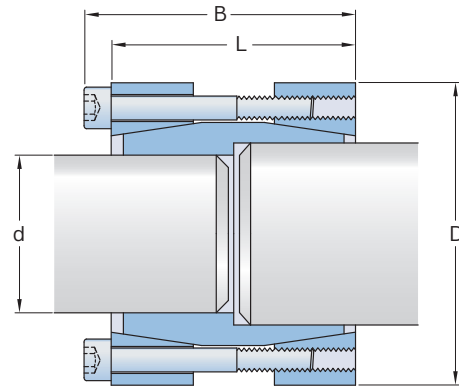
FX120

| Bushing no. | Dimensions |     |   |       |       |      | Transmissible axial force<br>$F_t$ | Transmissible torque<br>$M_t$ | Shaft surface pressure<br>$P_w$ | Hub surface pressure<br>$P_n$ | Clamp screws size | Clamp screws size | Screw tightening torque<br>$M_s$ | Mass | Designation      |
|-------------|------------|-----|---|-------|-------|------|------------------------------------|-------------------------------|---------------------------------|-------------------------------|-------------------|-------------------|----------------------------------|------|------------------|
|             | d          | D   | L | $L_1$ | $L_2$ | B    |                                    |                               |                                 |                               |                   |                   |                                  |      |                  |
| –           | mm         |     |   |       |       |      | kN                                 | Nm                            | N/mm <sup>2</sup>               |                               |                   |                   | Nm                               | kg   | –                |
| FX120       | 18         | 40  | – | 12.0  | 18.5  | 24.5 | –                                  | 190                           | 260                             | 120                           | 6                 | M6                | 16.0                             | –    | PHF FX120-18X40  |
|             | 19         | 41  | – | 12.0  | 18.5  | 24.5 | –                                  | 210                           | 260                             | 120                           | 6                 | M6                | 16.0                             | –    | PHF FX120-19X41  |
|             | 20         | 42  | – | 12.0  | 18.5  | 24.5 | –                                  | 240                           | 250                             | 120                           | 6                 | M6                | 16.0                             | –    | PHF FX120-20X42  |
|             | 24         | 46  | – | 12.0  | 18.5  | 24.5 | –                                  | 290                           | 250                             | 120                           | 6                 | M6                | 16.0                             | –    | PHF FX120-24X46  |
|             | 25         | 47  | – | 12.0  | 18.5  | 24.5 | –                                  | 330                           | 230                             | 120                           | 8                 | M6                | 16.0                             | –    | PHF FX120-25X47  |
|             | 28         | 50  | – | 12.0  | 18.5  | 24.5 | –                                  | 370                           | 220                             | 120                           | 8                 | M6                | 16.0                             | –    | PHF FX120-28X50  |
|             | 30         | 52  | – | 12.0  | 18.5  | 24.5 | –                                  | 430                           | 210                             | 120                           | 8                 | M6                | 16.0                             | –    | PHF FX120-30X52  |
|             | 35         | 57  | – | 15.0  | 22.0  | 28.0 | –                                  | 610                           | 170                             | 100                           | 12                | M6                | 16.0                             | –    | PHF FX120-35X57  |
|             | 38         | 60  | – | 15.0  | 22.0  | 28.0 | –                                  | 680                           | 170                             | 100                           | 12                | M6                | 16.0                             | –    | PHF FX120-38X60  |
|             | 40         | 62  | – | 15.0  | 22.0  | 28.0 | –                                  | 780                           | 170                             | 100                           | 12                | M6                | 16.0                             | –    | PHF FX120-40X62  |
|             | 42         | 70  | – | 18.0  | 28.0  | 36.0 | –                                  | 1 480                         | 190                             | 110                           | 12                | M8                | 41.0                             | –    | PHF FX120-42X70  |
|             | 45         | 73  | – | 18.0  | 28.0  | 36.0 | –                                  | 1 500                         | 210                             | 130                           | 12                | M8                | 41.0                             | –    | PHF FX120-45X73  |
|             | 48         | 76  | – | 18.0  | 28.0  | 36.0 | –                                  | 1 550                         | 210                             | 130                           | 12                | M8                | 41.0                             | –    | PHF FX120-48X76  |
|             | 50         | 78  | – | 18.0  | 28.0  | 36.0 | –                                  | 1 650                         | 190                             | 120                           | 12                | M8                | 41.0                             | –    | PHF FX120-50X78  |
|             | 55         | 83  | – | 18.0  | 28.0  | 36.0 | –                                  | 2 000                         | 190                             | 120                           | 16                | M8                | 41.0                             | –    | PHF FX120-55X83  |
|             | 60         | 88  | – | 18.0  | 28.0  | 36.0 | –                                  | 2 350                         | 190                             | 120                           | 16                | M8                | 41.0                             | –    | PHF FX120-60X88  |
|             | 70         | 105 | – | 22.0  | 35.0  | 45.0 | –                                  | 3 900                         | 180                             | 120                           | 12                | M10               | 70.0                             | –    | PHF FX120-70X105 |
|             | 80         | 115 | – | 22.0  | 35.0  | 45.0 | –                                  | 4 800                         | 170                             | 120                           | 16                | M10               | 70.0                             | –    | PHF FX120-80X115 |

FX keyless bushing (coupling)  
FX130



FX130 Standard version

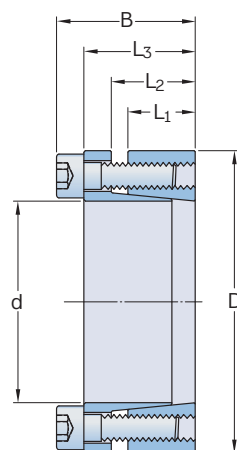


FX130 Double diameter version

| Bushing no. | Dimensions |     |     |                |                |     | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws size | Clamp screws size | Screw tightening torque | Mass | Designation       |
|-------------|------------|-----|-----|----------------|----------------|-----|---------------------------|----------------------|------------------------|----------------------|-------------------|-------------------|-------------------------|------|-------------------|
|             | d          | D   | L   | L <sub>1</sub> | L <sub>2</sub> | B   | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       |                   |                   | M <sub>s</sub>          |      |                   |
| –           | mm         |     |     |                |                |     | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |                   |                   | Nm                      | kg   | –                 |
| FX130       | 15         | 45  | 50  | -              | -              | 56  | 16                        | 125                  | 126                    | -                    | 4                 | M6                | 17                      | 0.4  | PHF FX130-15X45   |
|             | 16         | 45  | 50  | -              | -              | 56  | 17                        | 131                  | 117                    | -                    | 4                 | M6                | 17                      | 0.4  | PHF FX130-16X45   |
|             | 17         | 50  | 50  | -              | -              | 56  | 24.5                      | 210                  | 118                    | -                    | 4                 | M6                | 17                      | 0.5  | PHF FX130-17X50   |
|             | 18         | 50  | 50  | -              | -              | 56  | 24.5                      | 230                  | 109                    | -                    | 4                 | M6                | 17                      | 0.5  | PHF FX130-18X50   |
|             | 19         | 50  | 50  | -              | -              | 56  | 24.5                      | 240                  | 96                     | -                    | 4                 | M6                | 17                      | 0.5  | PHF FX130-19X50   |
|             | 20         | 50  | 50  | -              | -              | 56  | 24.5                      | 250                  | 93                     | -                    | 4                 | M6                | 17                      | 0.5  | PHF FX130-20X50   |
|             | 22         | 55  | 60  | -              | -              | 66  | 24.5                      | 270                  | 107                    | -                    | 4                 | M6                | 17                      | 0.6  | PHF FX130-22X55   |
|             | 24         | 55  | 60  | -              | -              | 66  | 24.5                      | 300                  | 96                     | -                    | 4                 | M6                | 17                      | 0.6  | PHF FX130-24X55   |
|             | 25         | 55  | 60  | -              | -              | 66  | 36.5                      | 460                  | 95                     | -                    | 6                 | M6                | 17                      | 0.6  | PHF FX130-25X55   |
|             | 28         | 60  | 60  | -              | -              | 66  | 36.5                      | 520                  | 84                     | -                    | 6                 | M6                | 17                      | 0.7  | PHF FX130-28X60   |
|             | 30         | 60  | 60  | -              | -              | 66  | 36.5                      | 560                  | 79                     | -                    | 6                 | M6                | 17                      | 0.7  | PHF FX130-30X60   |
|             | 32         | 75  | 60  | -              | -              | 68  | 36.5                      | 590                  | 77                     | -                    | 6                 | M6                | 17                      | 0.7  | PHF FX130-32X75   |
|             | 35         | 75  | 75  | -              | -              | 83  | 45.5                      | 770                  | 82                     | -                    | 4                 | M8                | 41                      | 1.3  | PHF FX130-35X75   |
|             | 38         | 75  | 75  | -              | -              | 83  | 45.5                      | 860                  | 75                     | -                    | 4                 | M8                | 41                      | 1.3  | PHF FX130-38X75   |
|             | 40         | 75  | 75  | -              | -              | 83  | 45.5                      | 910                  | 64                     | -                    | 4                 | M8                | 41                      | 1.3  | PHF FX130-40X75   |
|             | 42         | 90  | 75  | -              | -              | 83  | 45.5                      | 940                  | 65                     | -                    | 4                 | M8                | 41                      | 2    | PHF FX130-42X90   |
|             | 45         | 90  | 85  | -              | -              | 93  | 67.5                      | 1530                 | 73                     | -                    | 6                 | M8                | 41                      | 2.2  | PHF FX130-45X90   |
|             | 48         | 90  | 85  | -              | -              | 93  | 67.5                      | 1610                 | 70                     | -                    | 6                 | M8                | 41                      | 2.4  | PHF FX130-48X90   |
|             | 50         | 90  | 85  | -              | -              | 93  | 67.5                      | 1700                 | 64                     | -                    | 6                 | M8                | 41                      | 2.3  | PHF FX130-50X90   |
|             | 55         | 105 | 85  | -              | -              | 93  | 90.5                      | 2 460                | 63                     | -                    | 8                 | M8                | 41                      | 2.9  | PHF FX130-55X105  |
|             | 60         | 105 | 85  | -              | -              | 93  | 90.5                      | 2 720                | 59                     | -                    | 8                 | M8                | 41                      | 3.2  | PHF FX130-60X105  |
|             | 65         | 105 | 85  | -              | -              | 93  | 90.5                      | 2 940                | 53                     | -                    | 8                 | M8                | 41                      | 3    | PHF FX130-65X105  |
|             | 70         | 125 | 100 | -              | -              | 110 | 107.5                     | 3 780                | 50                     | -                    | 6                 | M10               | 83                      | 4.3  | PHF FX130-70X125  |
|             | 75         | 125 | 100 | -              | -              | 110 | 107.5                     | 4 040                | 47                     | -                    | 6                 | M10               | 83                      | 5    | PHF FX130-75X125  |
|             | 80         | 125 | 100 | -              | -              | 110 | 107.5                     | 4 030                | 65                     | -                    | 6                 | M10               | 83                      | 4.7  | PHF FX130-80X125  |
|             | 85         | 130 | 100 | -              | -              | 110 | 121                       | 4 260                | 64                     | -                    | 8                 | M10               | 83                      | 5.7  | PHF FX130-85X130  |
|             | 90         | 135 | 100 | -              | -              | 110 | 122                       | 4 820                | 72                     | -                    | 8                 | M10               | 83                      | 6.7  | PHF FX130-90X135  |
|             | 95         | 140 | 120 | -              | -              | 130 | 124                       | 5 170                | 67                     | -                    | 8                 | M10               | 83                      | 7.7  | PHF FX130-95X140  |
|             | 100        | 150 | 120 | -              | -              | 132 | 127                       | 5 590                | 66                     | -                    | 8                 | M12               | 145                     | 8.7  | PHF FX130-100X150 |

# FX keyless bushings

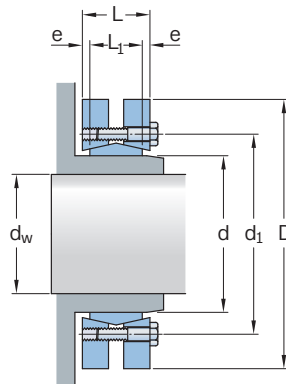
## FX140



FX140

| Bushing no. | Dimensions |     |                |                |                |      | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation      |
|-------------|------------|-----|----------------|----------------|----------------|------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|------------------|
|             | d          | D   | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | B    | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          |      |                  |
| –           | mm         |     |                |                |                |      | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      | kg   | –                |
| FX140       | 18         | 40  | 12.0           | 15.0           | 20.0           | 24.0 | 23.7                      | 210                  | 235                    | 130                  | 6            | M4                | 5.0                     | 0.20 | PHF FX140-18X40  |
|             | 19         | 41  | 12.0           | 15.0           | 20.0           | 24.0 | 23.7                      | 220                  | 220                    | 128                  | 6            | M4                | 5.0                     | 0.20 | PHF FX140-19X41  |
|             | 20         | 42  | 12.0           | 15.0           | 20.0           | 24.0 | 27.7                      | 270                  | 245                    | 145                  | 7            | M4                | 5.0                     | 0.20 | PHF FX140-20X42  |
|             | 22         | 44  | 12.0           | 15.0           | 20.0           | 24.0 | 27.7                      | 300                  | 225                    | 140                  | 7            | M4                | 5.0                     | 0.20 | PHF FX140-22X44  |
|             | 24         | 46  | 12.0           | 15.0           | 20.0           | 24.0 | 27.7                      | 330                  | 205                    | 135                  | 7            | M4                | 5.0                     | 0.20 | PHF FX140-24X46  |
|             | 25         | 47  | 12.0           | 15.0           | 20.0           | 24.0 | 27.7                      | 340                  | 195                    | 130                  | 7            | M4                | 5.0                     | 0.20 | PHF FX140-25X47  |
|             | 28         | 50  | 12.0           | 15.0           | 20.0           | 24.0 | 35.6                      | 500                  | 225                    | 155                  | 9            | M4                | 5.0                     | 0.20 | PHF FX140-28X50  |
|             | 30         | 52  | 12.0           | 15.0           | 20.0           | 24.0 | 35.6                      | 530                  | 210                    | 151                  | 9            | M4                | 5.0                     | 0.20 | PHF FX140-30X52  |
|             | 32         | 54  | 12.0           | 15.0           | 20.0           | 24.0 | 35.6                      | 570                  | 197                    | 146                  | 9            | M4                | 5.0                     | 0.20 | PHF FX140-32X54  |
|             | 35         | 57  | 16.0           | 19.0           | 24.0           | 28.0 | 39.5                      | 690                  | 158                    | 115                  | 10           | M4                | 5.0                     | 0.30 | PHF FX140-35X57  |
|             | 36         | 58  | 16.0           | 19.0           | 24.0           | 28.0 | 39.5                      | 710                  | 155                    | 113                  | 10           | M4                | 5.0                     | 0.30 | PHF FX140-36X58  |
|             | 38         | 60  | 16.0           | 19.0           | 24.0           | 28.0 | 43.5                      | 830                  | 160                    | 120                  | 11           | M4                | 5.0                     | 0.30 | PHF FX140-38X60  |
|             | 40         | 62  | 16.0           | 19.0           | 24.0           | 28.0 | 43.5                      | 870                  | 150                    | 116                  | 11           | M4                | 5.0                     | 0.40 | PHF FX140-40X62  |
|             | 42         | 70  | 19.0           | 23.0           | 30.0           | 36.0 | 73.0                      | 1530                 | 200                    | 146                  | 8            | M6                | 17.0                    | 0.60 | PHF FX140-42X70  |
|             | 45         | 73  | 19.0           | 23.0           | 30.0           | 36.0 | 73.0                      | 1640                 | 185                    | 140                  | 8            | M6                | 17.0                    | 0.60 | PHF FX140-45X73  |
|             | 48         | 76  | 19.0           | 23.0           | 30.0           | 36.0 | 73.0                      | 1750                 | 175                    | 134                  | 8            | M6                | 17.0                    | 0.60 | PHF FX140-48X76  |
|             | 50         | 78  | 19.0           | 23.0           | 30.0           | 36.0 | 73.0                      | 1820                 | 165                    | 131                  | 8            | M6                | 17.0                    | 0.60 | PHF FX140-50X78  |
|             | 55         | 83  | 19.0           | 23.0           | 30.0           | 36.0 | 73.0                      | 2000                 | 150                    | 123                  | 8            | M6                | 17.0                    | 0.70 | PHF FX140-55X83  |
|             | 56         | 84  | 19.0           | 23.0           | 30.0           | 36.0 | 73.0                      | 2040                 | 150                    | 120                  | 8            | M6                | 17.0                    | 0.70 | PHF FX140-56X84  |
|             | 60         | 88  | 19.0           | 23.0           | 30.0           | 36.0 | 82.1                      | 2460                 | 158                    | 130                  | 9            | M6                | 17.0                    | 0.70 | PHF FX140-60X88  |
|             | 63         | 91  | 19.0           | 23.0           | 30.0           | 36.0 | 82.1                      | 2580                 | 150                    | 125                  | 9            | M6                | 17.0                    | 0.90 | PHF FX140-63X91  |
|             | 65         | 93  | 19.0           | 23.0           | 30.0           | 36.0 | 82.1                      | 2660                 | 140                    | 120                  | 9            | M6                | 17.0                    | 1.00 | PHF FX140-65X93  |
|             | 70         | 105 | 23.0           | 28.0           | 37.0           | 45.0 | 134.8                     | 4720                 | 180                    | 148                  | 8            | M8                | 41.0                    | 1.50 | PHF FX140-70X105 |
|             | 75         | 110 | 23.0           | 28.0           | 37.0           | 45.0 | 134.8                     | 5050                 | 170                    | 140                  | 8            | M8                | 41.0                    | 1.50 | PHF FX140-75X110 |
|             | 80         | 115 | 23.0           | 28.0           | 37.0           | 45.0 | 134.8                     | 5390                 | 160                    | 135                  | 8            | M8                | 41.0                    | 1.70 | PHF FX140-80X115 |
|             | 85         | 120 | 23.0           | 28.0           | 37.0           | 45.0 | 134.8                     | 5730                 | 150                    | 130                  | 8            | M8                | 41.0                    | 2.00 | PHF FX140-85X120 |
|             | 90         | 125 | 23.0           | 28.0           | 37.0           | 45.0 | 168.5                     | 7580                 | 156                    | 156                  | 10           | M8                | 41.0                    | 2.30 | PHF FX140-90X125 |

FX 3 part shrink disc  
FX190

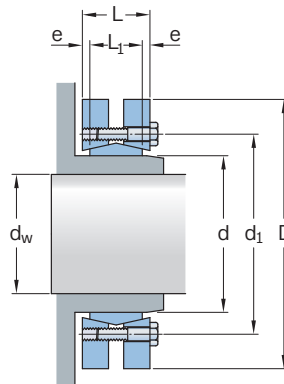


FX190

| Bushing no. | Dimensions |                | D   | L <sub>1</sub> | L    | d <sub>1</sub> | e    | Transmissible axial force<br>F <sub>t</sub> | Transmissible torque<br>M <sub>t</sub> | Clamp screws |      | Screw tightening torque<br>M <sub>s</sub> | Mass | Designation      |
|-------------|------------|----------------|-----|----------------|------|----------------|------|---------------------------------------------|----------------------------------------|--------------|------|-------------------------------------------|------|------------------|
|             | d          | d <sub>w</sub> |     |                |      |                |      |                                             |                                        | Quantity     | Size |                                           |      |                  |
| –           | mm         |                |     |                |      |                |      | kN                                          | Nm                                     |              |      | Nm                                        | kg   | –                |
| FX190       | 14         | 11<br>12       | 38  | 7              | 11.0 | 23             | 2    | 6<br>9                                      | 30<br>50                               | 4            | M5   | 4                                         | 0.1  | PHF FX190-14X38  |
|             | 16         | 13<br>14       | 41  | 11             | 15.0 | 26             | 2    | 10<br>13                                    | 70<br>90                               | 5            | M5   | 4                                         | 0.1  | PHF FX190-16X41  |
|             | 24         | 19<br>20<br>21 | 50  | 14             | 19.5 | 36             | 2.75 | 25<br>27<br>29                              | 170<br>210<br>250                      | 6            | M5   | 4                                         | 0.2  | PHF FX190-24X50  |
|             | 30         | 24<br>25<br>26 | 60  | 16             | 21.5 | 44             | 2.75 | 29<br>31<br>33                              | 300<br>340<br>380                      | 7            | M5   | 4                                         | 0.3  | PHF FX190-30X60  |
|             | 36         | 28<br>30<br>31 | 72  | 18             | 23.5 | 52             | 2.75 | 50<br>58<br>58                              | 440<br>570<br>630                      | 5            | M6   | 12                                        | 0.4  | PHF FX190-36X72  |
|             | 44         | 32<br>35<br>36 | 80  | 20             | 25.5 | 61             | 2.75 | 64<br>74<br>77                              | 620<br>780<br>860                      | 7            | M6   | 12                                        | 0.6  | PHF FX190-44X80  |
|             | 50         | 38<br>40<br>42 | 90  | 22             | 27.5 | 70             | 2.75 | 79<br>86<br>92                              | 940<br>1 160<br>1 380                  | 8            | M6   | 12                                        | 0.8  | PHF FX190-50X90  |
|             | 55         | 42<br>45<br>48 | 100 | 23             | 30.5 | 75             | 3.75 | 79<br>88<br>97                              | 1 160<br>1 520<br>1 880                | 8            | M6   | 12                                        | 1.1  | PHF FX190-55X100 |
|             | 62         | 48<br>50<br>52 | 110 | 23             | 30.5 | 86             | 3.75 | 100<br>111<br>117                           | 1 850<br>2 200<br>2 400                | 10           | M6   | 12                                        | 1.3  | PHF FX190-62X110 |
|             | 68         | 50<br>55<br>60 | 115 | 23             | 30.5 | 86             | 3.75 | 97<br>106<br>120                            | 2 000<br>2 500<br>3 150                | 10           | M6   | 12                                        | 1.4  | PHF FX190-68X115 |
|             | 75         | 55<br>60<br>65 | 138 | 25             | 32.5 | 100            | 3.75 | 119<br>137<br>155                           | 2 500<br>3 200<br>3 950                | 7            | M8   | 30                                        | 1.7  | PHF FX190-75X138 |
|             | 80         | 60<br>65<br>70 | 145 | 25             | 32.5 | 100            | 3.75 | 124<br>140<br>158                           | 3 200<br>3 900<br>4 600                | 7            | M8   | 30                                        | 1.9  | PHF FX190-80X145 |
|             | 85         | 65<br>70<br>75 | 155 | 30             | 39.0 | 114            | 4.5  | 175<br>195<br>216                           | 4 800<br>6 100<br>7 400                | 10           | M8   | 30                                        | 3.5  | PHF FX190-85X155 |

| Bushing<br>no. | Dimensions |                   |     |                |      |                |      | Transmissible<br>axial force<br>$F_t$ | Transmissible<br>torque<br>$M_t$ | Clamp screws |      | Screw<br>tightening torque<br>$M_s$ | Mass | Designation       |
|----------------|------------|-------------------|-----|----------------|------|----------------|------|---------------------------------------|----------------------------------|--------------|------|-------------------------------------|------|-------------------|
|                | d          | d <sub>w</sub>    | D   | L <sub>1</sub> | L    | d <sub>1</sub> | e    |                                       |                                  | Quantity     | Size |                                     |      |                   |
| –              | mm         |                   |     |                |      |                |      | kN                                    | Nm                               |              |      | Nm                                  | kg   | –                 |
| FX190          | 90         | 65<br>70<br>75    | 155 | 30             | 39.0 | 114            | 4.5  | 170<br>190<br>210                     | 4 750<br>6 000<br>7 250          | 10           | M8   | 30                                  | 3.3  | PHF FX190-90X155  |
|                | 100        | 70<br>75<br>80    | 170 | 34             | 44.0 | 124            | 5    | 195<br>220<br>240                     | 6 900<br>7 500<br>9 000          | 12           | M8   | 30                                  | 4.7  | PHF FX190-100X170 |
|                | 110        | 75<br>80<br>85    | 185 | 39             | 50.0 | 136            | 5.5  | 229<br>252<br>262                     | 7 200<br>9 000<br>10 800         | 9            | M10  | 59                                  | 5.9  | PHF FX190-110X185 |
|                | 115        | 80<br>85<br>90    | 188 | 39             | 50.0 | 141            | 5.5  | 235<br>259<br>269                     | 7 400<br>9 200<br>11 100         | 9            | M10  | 59                                  | 5.5  | PHF FX190-115X188 |
|                | 120        | 80<br>85<br>90    | 215 | 42             | 54.0 | 160            | 6    | 285<br>314<br>340                     | 10 600<br>13 300<br>14 500       | 12           | M10  | 59                                  | 9    | PHF FX190-120X215 |
|                | 125        | 85<br>90<br>95    | 215 | 42             | 54.0 | 160            | 6    | 296<br>324<br>352                     | 11 000<br>13 000<br>15 000       | 12           | M10  | 59                                  | 8.3  | PHF FX190-125X215 |
|                | 130        | 90<br>95<br>100   | 215 | 42             | 54.0 | 160            | 6    | 304<br>333<br>362                     | 11 300<br>13 300<br>15 400       | 12           | M10  | 59                                  | 8    | PHF FX190-130X215 |
|                | 140        | 95<br>100<br>105  | 230 | 46             | 60.5 | 175            | 7.25 | 367<br>396<br>425                     | 15 100<br>17 600<br>20 100       | 10           | M12  | 100                                 | 10   | PHF FX190-140X230 |
|                | 155        | 105<br>110<br>115 | 265 | 50             | 64.5 | 192            | 7.25 | 447<br>478<br>509                     | 22 000<br>25 000<br>28 000       | 12           | M12  | 100                                 | 15   | PHF FX190-155X265 |
|                | 160        | 110<br>115<br>120 | 265 | 50             | 64.5 | 192            | 7.25 | 460<br>490<br>520                     | 22 600<br>25 700<br>28 800       | 12           | M12  | 100                                 | 14.5 | PHF FX190-160X265 |
|                | 165        | 115<br>120<br>125 | 290 | 56             | 71.0 | 210            | 7.5  | 595<br>630<br>655                     | 31 000<br>35 000<br>39 000       | 8            | M16  | 250                                 | 22   | PHF FX190-165X290 |
|                | 170        | 120<br>125<br>130 | 290 | 56             | 71.0 | 210            | 7.5  | 610<br>640<br>670                     | 31 900<br>36 000<br>40 100       | 8            | M16  | 250                                 | 21   | PHF FX190-170X290 |

FX 3 part shrink disc  
FX190

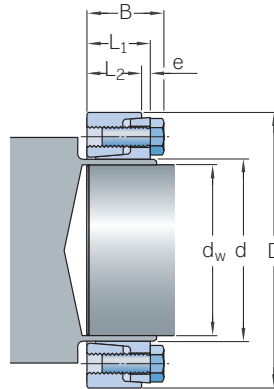


FX190

| Bushing<br>no. | Dimensions |                   |     |                |       |                |     | Transmissible<br>axial force<br>F <sub>t</sub> | Transmissible<br>torque<br>M <sub>t</sub> | Clamp screws |      | Screw tightening<br>torque<br>M <sub>s</sub> | Mass | Designation       |
|----------------|------------|-------------------|-----|----------------|-------|----------------|-----|------------------------------------------------|-------------------------------------------|--------------|------|----------------------------------------------|------|-------------------|
|                | d          | d <sub>w</sub>    | D   | L <sub>1</sub> | L     | d <sub>1</sub> | e   |                                                |                                           | Quantity     | Size |                                              |      |                   |
| –              | mm         |                   |     |                |       |                |     | kN                                             | Nm                                        |              |      | Nm                                           | kg   | –                 |
| FX190          | 175        | 125<br>130<br>135 | 300 | 56             | 71.0  | 220            | 7.5 | 605<br>369<br>675                              | 36 000<br>41 000<br>45 000                | 8            | M16  | 250                                          | 22   | PHF FX190-175X300 |
|                | 180        | 130<br>135<br>140 | 330 | 71             | 86.0  | 236            | 7.5 | 778<br>819<br>861                              | 52 000<br>57 000<br>62 000                | 8            | M16  | 250                                          | 21   | PHF FX190-180X330 |
|                | 185        | 135<br>140<br>145 | 330 | 71             | 86.0  | 236            | 7.5 | 778<br>819<br>861                              | 52 000<br>57 000<br>62 000                | 10           | M24  | 250                                          | 37   | PHF FX190-185X330 |
|                | 190        | 140<br>145<br>150 | 330 | 71             | 86.0  | 236            | 7.5 | 800<br>840<br>885                              | 63 500<br>58 700<br>63 800                | 10           | M16  | 250                                          | 36   | PHF FX190-190X330 |
|                | 195        | 140<br>150<br>155 | 350 | 71             | 86.0  | 246            | 7.5 | 933<br>1 025<br>1 071                          | 65 000<br>76 000<br>81 500                | 12           | M16  | 250                                          | 41   | PHF FX190-195X350 |
|                | 200        | 150<br>155<br>160 | 350 | 71             | 86.0  | 246            | 7.5 | 990<br>1 035<br>1 080                          | 74 000<br>80 000<br>86 000                | 12           | M16  | 250                                          | 41   | PHF FX190-200X350 |
|                | 220        | 160<br>165<br>170 | 370 | 88             | 104.0 | 270            | 8   | 1 190<br>1 239<br>1 290                        | 95 000<br>102 000<br>110 000              | 15           | M16  | 250                                          | 54   | PHF FX190-220X370 |
|                | 240        | 170<br>180<br>190 | 405 | 92             | 109   | 295            | 8.5 | 1 464<br>1 576<br>1 675                        | 120 000<br>138 000<br>156 000             | 12           | M20  | 490                                          | 67   | PHF FX190-240X405 |
|                | 260        | 190<br>200<br>210 | 430 | 103            | 120   | 321            | 8.5 | 1 760<br>1 880<br>2 010                        | 164 000<br>184 000<br>205 000             | 14           | M20  | 490                                          | 82   | PHF FX190-260X430 |
|                | 280        | 210<br>220<br>230 | 460 | 114            | 134   | 346            | 10  | 2 090<br>2 220<br>2 350                        | 217 000<br>244 000<br>270 000             | 16           | M20  | 490                                          | 102  | PHF FX190-280X460 |
|                | 300        | 230<br>240<br>245 | 485 | 122            | 142   | 364            | 10  | 2 431<br>2 567<br>2 636                        | 275 000<br>295 000<br>315 000             | 18           | M20  | 490                                          | 118  | PHF FX190-300X485 |
|                | 320        | 240<br>250<br>260 | 520 | 122            | 142   | 386            | 10  | 2 647<br>2 786<br>2 900                        | 312 000<br>340 000<br>374 000             | 20           | M20  | 490                                          | 131  | PHF FX190-320X520 |

| Bushing<br>no. | Dimensions |                   |     |                |     |                |      | Transmissible<br>axial force<br>$F_t$ | Transmissible<br>torque<br>$M_t$    | Clamp screws |      | Screw tightening<br>torque<br>$M_s$ | Mass | Designation       |
|----------------|------------|-------------------|-----|----------------|-----|----------------|------|---------------------------------------|-------------------------------------|--------------|------|-------------------------------------|------|-------------------|
|                | d          | d <sub>w</sub>    | D   | L <sub>1</sub> | L   | d <sub>1</sub> | e    |                                       |                                     | Quantity     | Size |                                     |      |                   |
| –              | mm         |                   |     |                |     |                |      | kN                                    | Nm                                  |              |      | Nm                                  | kg   | –                 |
| FX190          | 340        | 250<br>260<br>270 | 570 | 134            | 156 | 408            | 11   | 3 119<br>3 249<br>3 400               | 390 000<br>422 500<br>460 000       | 24           | M20  | 490                                 | 186  | PHF FX190-340X570 |
|                | 350        | 270<br>280<br>285 | 580 | 140            | 162 | 432            | 11   | 3 276<br>3 430<br>3 500               | 442 000<br>480 000<br>500 000       | 24           | M20  | 490                                 | 195  | PHF FX190-350X580 |
|                | 360        | 280<br>290<br>295 | 590 | 140            | 162 | 432            | 11   | 3 310<br>3 461<br>3 536               | 463 000<br>502 000<br>522 000       | 24           | M20  | 490                                 | 204  | PHF FX190-360X590 |
|                | 380        | 290<br>300<br>310 | 645 | 144            | 168 | 458            | 12   | 3 910<br>4 080<br>4 248               | 567 000<br>610 000<br>658 000       | 20           | M24  | 840                                 | 239  | PHF FX190-380X645 |
|                | 390        | 300<br>310<br>320 | 660 | 144            | 168 | 468            | 12   | 4 160<br>4 330<br>4 484               | 624 000<br>671 000<br>718 000       | 21           | M24  | 840                                 | 260  | PHF FX190-390X660 |
|                | 400        | 315<br>320<br>330 | 680 | 144            | 168 | 480            | 12   | 4 260<br>4 345<br>4 500               | 670 000<br>695 000<br>744 000       | 21           | M24  | 840                                 | 280  | PHF FX190-400X680 |
|                | 420        | 330<br>340<br>350 | 690 | 164            | 188 | 504            | 12   | 4 850<br>5 040<br>5 220               | 780 000<br>840 000<br>900 000       | 24           | M24  | 840                                 | 316  | PHF FX190-420X690 |
|                | 440        | 340<br>350<br>360 | 750 | 177            | 202 | 527            | 12.5 | 4 740<br>4 910<br>5 090               | 806 000<br>860 000<br>917 000       | 24           | M24  | 840                                 | 408  | PHF FX190-440X750 |
|                | 460        | 360<br>370<br>380 | 770 | 177            | 202 | 547            | 12.5 | 5 670<br>5 860<br>6 050               | 1 000 000<br>1 070 000<br>1 140 000 | 28           | M24  | 840                                 | 420  | PHF FX190-460X770 |
|                | 480        | 380<br>390<br>400 | 800 | 188            | 213 | 570            | 12.5 | 6 150<br>6 350<br>6 550               | 1 170 000<br>1 240 000<br>1 310 000 | 30           | M24  | 840                                 | 505  | PHF FX190-480X800 |

FX 2 part shrink disc  
FX195

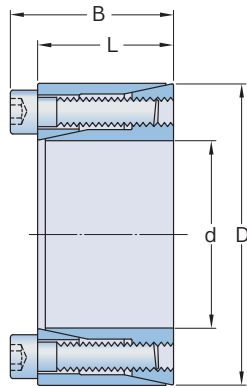


FX195

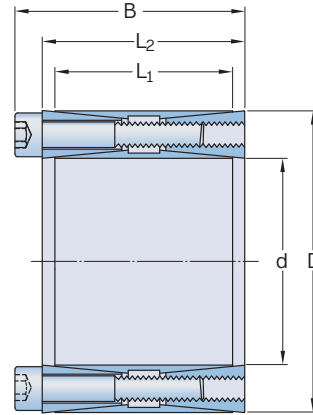
| Bushing<br>no. | Dimensions |                   |     |                |                |    |     | Transmissible<br>axial force<br>$F_t$ | Transmissible<br>torque<br>$M_t$ | Set screws<br>acc. DIN912 (Grade 12.9) |          |      | $M_s$ | Mass | Designation       |
|----------------|------------|-------------------|-----|----------------|----------------|----|-----|---------------------------------------|----------------------------------|----------------------------------------|----------|------|-------|------|-------------------|
|                | d          | d <sub>w</sub>    | D   | L <sub>1</sub> | L <sub>2</sub> | e  | B   |                                       |                                  | D <sub>1</sub>                         | Quantity | Size |       |      |                   |
| –              | mm         |                   |     |                |                |    |     | kN                                    | Nm                               |                                        |          |      | Nm    | kg   | –                 |
| FX195          | 100        | 70<br>75<br>80    | 170 | 50             | 43             | 7  | 50  | 213<br>237<br>261                     | 7 400<br>8 900<br>10 400         | 124                                    | 12       | M10  | 70    | 4.3  | PHF FX195-100X170 |
|                | 110        | 80<br>85<br>90    | 185 | 57             | 49             | 8  | 57  | 314<br>344<br>375                     | 12 600<br>14 600<br>15 900       | 138                                    | 10       | M12  | 121   | 5.8  | PHF FX195-110X185 |
|                | 120        | 85<br>90<br>95    | 215 | 60             | 53             | 8  | 61  | 320<br>349<br>378                     | 13 600<br>15 700<br>18 000       | 147                                    | 12       | M12  | 121   | 6.9  | PHF FX195-120X215 |
|                | 125        | 90<br>95<br>100   | 215 | 61             | 53             | 8  | 61  | 365<br>395<br>426                     | 16 400<br>18 800<br>21 300       | 152                                    | 12       | M12  | 121   | 8.7  | PHF FX195-125X215 |
|                | 135        | 95<br>100<br>110  | 230 | 67             | 58             | 9  | 67  | 427<br>459<br>525                     | 20 300<br>23 000<br>28 900       | 165                                    | 10       | M14  | 195   | 11   | PHF FX195-123X230 |
|                | 140        | 100<br>105<br>115 | 230 | 67             | 58             | 9  | 67  | 459<br>492<br>558                     | 23 000<br>25 800<br>32 100       | 170                                    | 10       | M14  | 195   | 10   | PHF FX195-140X230 |
|                | 155        | 110<br>115<br>125 | 263 | 71             | 62             | 9  | 71  | 565<br>601<br>672                     | 31 100<br>34 500<br>42 000       | 184                                    | 12       | M14  | 195   | 15   | PHF FX195-155X263 |
|                | 165        | 120<br>125<br>135 | 290 | 78             | 68             | 10 | 78  | 734<br>776<br>860                     | 44 000<br>48 500<br>58 100       | 198                                    | 10       | M16  | 300   | 22   | PHF FX195-165X290 |
|                | 175        | 130<br>135<br>145 | 300 | 78             | 68             | 10 | 78  | 834<br>876<br>962                     | 54 000<br>59 000<br>70 000       | 208                                    | 12       | M16  | 300   | 23   | PHF FX195-175X300 |
|                | 185        | 140<br>145<br>155 | 320 | 95             | 85             | 10 | 95  | 1 157<br>1 210<br>1 319               | 81 000<br>88 000<br>102 000      | 222                                    | 14       | M16  | 300   | 33   | PHF FX195-185X320 |
|                | 200        | 150<br>155<br>165 | 340 | 95             | 85             | 10 | 95  | 1 279<br>1 333<br>1 442               | 96 000<br>103 000<br>119 000     | 238                                    | 16       | M16  | 300   | 36   | PHF FX195-200X340 |
|                | 220        | 160<br>170<br>180 | 370 | 116            | 103            | 13 | 116 | 1 615<br>1 749<br>1 883               | 129 000<br>149 000<br>169 000    | 268                                    | 16       | M20  | 570   | 53   | PHF FX195-220X370 |

| Bushing<br>no. | Dimensions        |                   |     |                |                |     |                          | Transmissible<br>axial force<br>F <sub>t</sub> | Transmissible<br>torque<br>M <sub>t</sub> | Set screws<br>acc. DIN912 (Grade (12.9) |          |       |       | Mass<br>M <sub>s</sub> | Designation       |
|----------------|-------------------|-------------------|-----|----------------|----------------|-----|--------------------------|------------------------------------------------|-------------------------------------------|-----------------------------------------|----------|-------|-------|------------------------|-------------------|
|                | d                 | d <sub>w</sub>    | D   | L <sub>1</sub> | L <sub>2</sub> | e   | B                        |                                                |                                           | D <sub>1</sub>                          | Quantity |       | Size  |                        |                   |
|                | mm                |                   |     |                |                |     |                          | kN                                             | Nm                                        |                                         |          |       | Nm    | kg                     | –                 |
| FX195          | 240               | 170<br>180<br>200 | 405 | 120            | 103            | 13  | 120                      | 1 773<br>1 909<br>2 183                        | 151 000<br>172 000<br>218 000             | 288                                     | 18       | M20   | 570   | 66                     | PHF FX195-240X405 |
|                | 260               | 190<br>200<br>220 | 430 | 132            | 107            | 13  | 132                      | 2 231<br>2 385<br>2 696                        | 212 000<br>238 000<br>297 000             | 312                                     | 21       | M20   | 570   | 82                     | PHF FX195-260X430 |
|                | 280               | 210<br>220<br>240 | 460 | 145            | 119            | 13  | 145                      | 2 661<br>2 825<br>3 156                        | 279 000<br>311 000<br>379 000             | 334                                     | 22       | M20   | 570   | 82                     | PHF FX195-280X460 |
|                | 300               | 220<br>230<br>250 | 485 | 155            | 132            | 15  | 155                      | 2 520<br>2 580<br>2 660                        | 332 000<br>357 000<br>443 000             | 360                                     | 20       | M24   | 980   | 103                    | PHF FX195-300X485 |
|                | 320               | 240<br>250<br>270 | 520 | 155            | 140            | 15  | 155                      | 3 370<br>3 549<br>3 911                        | 404 000<br>444 000<br>528 000             | 380                                     | 21       | M24   | 980   | 120                    | PHF FX195-320X520 |
|                | 340               | 250<br>260<br>280 | 570 | 170            | 140            | 15  | 170                      | 3 905<br>4 101<br>4 498                        | 480 000<br>530 000<br>630 000             | 402                                     | 22       | M24   | 980   | 138                    | PHF FX195-340X580 |
|                | 350               | 270<br>280<br>290 | 580 | 177            | 155            | 15  | 177                      | 4 563<br>4 778<br>5 000                        | 625 000<br>677 000<br>7900 00             | 414                                     | 24       | M24   | 980   | 189                    | PHF FX195-350X580 |
|                | 360               | 270<br>280<br>300 | 590 | 177            | 162            | 15  | 177                      | 4 628<br>4 839<br>5 264                        | 625 000<br>677 000<br>790 000             | 424                                     | 24       | M24   | 980   | 207                    | PHF FX195-360X590 |
|                | 380               | 290<br>300<br>310 | 640 | 183            | 162            | 17  | 183                      | 5 000<br>5 220<br>5 445                        | 725 000<br>783 000<br>844 000             | 454                                     | 17       | M27   | 1 450 | 244                    | PHF FX195-380X640 |
|                | 390               | 290<br>300<br>320 | 650 | 183            | 166            | 17  | 183                      | 5 384<br>5 611<br>6 069                        | 781 000<br>842 000<br>971 000             | 454                                     | 18       | M27   | 1 450 | 249                    | PHF FX195-390X650 |
|                | 420               | 320<br>330<br>350 | 670 | 203            | 166            | 17  | 203                      | 6 057<br>6 290<br>6 758                        | 969 000<br>1 038 000<br>1 183 000         | 486                                     | 21       | M27   | 1 450 | 285                    | PHF FX195-420X670 |
|                | 440               | 340<br>350<br>370 | 740 | 211            | 186            | 17  | 211                      | 7 128<br>7 382<br>7 891                        | 1 212 000<br>1 292 000<br>1 460 000       | 506                                     | 24       | M27   | 1 450 | 357                    | PHF FX195-440X740 |
|                | 460               | 360<br>370<br>390 | 770 | 211            | 194            | 17  | 211                      | 7 739<br>7 995<br>8 511                        | 1 393 000<br>1 479 000<br>1 660 000       | 534                                     | 25       | M27   | 1 450 | 419                    | PHF FX195-460X770 |
| 480            | 380<br>390<br>410 | 800               | 232 | 213            | 19             | 232 | 8 721<br>8 993<br>9 542  | 1 657 000<br>1 754 000<br>1 956 000            | 552                                       | 27                                      | M27      | 1 970 | 492   | PHF FX195-480X800      |                   |
| 500            | 400<br>410<br>430 | 850               | 232 | 213            | 19             | 232 | 9 435<br>9 717<br>10 283 | 1 887 000<br>1 992 000<br>2 211 000            | 572                                       | 28                                      | M27      | 1 970 | 567   | PHF FX195-500X850      |                   |

FX keyless bushings  
FX350 | FX400



FX350



FX400

| Bushing no. | Dimensions |     |    |                |                |      | Transmissible axial force | Transmissible torque | Shaft surface pressure | Hub surface pressure | Clamp screws | Clamp screws size | Screw tightening torque | Mass | Designation       |
|-------------|------------|-----|----|----------------|----------------|------|---------------------------|----------------------|------------------------|----------------------|--------------|-------------------|-------------------------|------|-------------------|
|             | d          | D   | L  | L <sub>1</sub> | L <sub>2</sub> | B    | F <sub>t</sub>            | M <sub>t</sub>       | P <sub>w</sub>         | P <sub>n</sub>       | Quantity     |                   | M <sub>s</sub>          |      |                   |
| –           | mm         |     |    |                |                |      | kN                        | Nm                   | N/mm <sup>2</sup>      |                      |              |                   | Nm                      | kg   | –                 |
| FX350       | 10         | 20  | 13 | –              | –              | 15.5 | –                         | 15                   | 110                    | 55                   | 4            | M2.5              | 1.2                     | 0.02 | PHF FX350-10X20   |
|             | 12         | 22  | 13 | –              | –              | 15.5 | –                         | 20                   | 90                     | 50                   | 4            | M2.5              | 1.2                     | 0.02 | PHF FX350-12X22   |
|             | 14         | 26  | 17 | –              | –              | 20.0 | –                         | 35                   | 105                    | 55                   | 4            | M3                | 2.1                     | 0.04 | PHF FX350-14X26   |
|             | 15         | 28  | 17 | –              | –              | 20.0 | –                         | 40                   | 100                    | 50                   | 4            | M3                | 2.1                     | 0.04 | PHF FX350-15X28   |
|             | 16         | 32  | 17 | –              | –              | 21.0 | –                         | 70                   | 130                    | 65                   | 4            | M4                | 4.9                     | 0.07 | PHF FX350-16X32   |
|             | 18         | 35  | 21 | –              | –              | 25.0 | –                         | 80                   | 115                    | 60                   | 4            | M4                | 4.9                     | 0.09 | PHF FX350-18X35   |
|             | 19         | 35  | 21 | –              | –              | 25.0 | –                         | 85                   | 110                    | 60                   | 4            | M4                | 4.9                     | 0.08 | PHF FX350-19X35   |
|             | 20         | 38  | 21 | –              | –              | 26.0 | –                         | 220                  | 220                    | 115                  | 6            | M5                | 10.0                    | 0.10 | PHF FX350-20X38   |
|             | 22         | 40  | 21 | –              | –              | 26.0 | –                         | 240                  | 200                    | 110                  | 6            | M5                | 10.0                    | 0.11 | PHF FX350-22X40   |
|             | 24         | 47  | 26 | –              | –              | 32.0 | –                         | 380                  | 220                    | 110                  | 6            | M6                | 17.0                    | 0.19 | PHF FX350-24X47   |
|             | 25         | 47  | 26 | –              | –              | 32.0 | –                         | 390                  | 210                    | 110                  | 6            | M6                | 17.0                    | 0.19 | PHF FX350-25X47   |
|             | 30         | 55  | –  | 39             | 45             | 51   | 115                       | 1 193                | 150                    | 67                   | 8            | M6                | 17                      | 0.5  | PHF FX400-30X55   |
|             | 32         | 60  | –  | 39             | 45             | 51   | 115                       | 1 273                | 188                    | 82                   | 8            | M6                | 17                      | 0.6  | PHF FX400-32X60   |
|             | 35         | 60  | –  | 39             | 45             | 51   | 115                       | 1 392                | 173                    | 82                   | 8            | M6                | 17                      | 0.5  | PHF FX400-35X60   |
|             | 38         | 65  | –  | 39             | 45             | 51   | 115                       | 1 702                | 161                    | 94                   | 10           | M6                | 17                      | 0.6  | PHF FX400-38X65   |
|             | 40         | 65  | –  | 39             | 45             | 51   | 115                       | 1 786                | 153                    | 93                   | 10           | M6                | 17                      | 0.6  | PHF FX400-40X65   |
| FX400       | 42         | 75  | –  | 56             | 64             | 72   | 170                       | 3 250                | 182                    | 100                  | 8            | M8                | 41                      | 1.2  | PHF FX400-42X75   |
|             | 45         | 75  | –  | 56             | 64             | 72   | 155                       | 3 460                | 165                    | 100                  | 8            | M8                | 41                      | 1.3  | PHF FX400-45X75   |
|             | 48         | 80  | –  | 56             | 64             | 72   | 155                       | 3 680                | 150                    | 95                   | 8            | M8                | 41                      | 1.5  | PHF FX400-48X80   |
|             | 50         | 80  | –  | 56             | 64             | 72   | 155                       | 3 820                | 147                    | 95                   | 8            | M8                | 41                      | 1.4  | PHF FX400-50X80   |
|             | 55         | 85  | –  | 56             | 64             | 72   | 155                       | 4 260                | 135                    | 85                   | 8            | M8                | 41                      | 1.5  | PHF FX400-55X85   |
|             | 60         | 90  | –  | 56             | 64             | 72   | 190                       | 5 820                | 155                    | 100                  | 10           | M8                | 41                      | 1.5  | PHF FX400-60X90   |
|             | 65         | 95  | –  | 56             | 64             | 72   | 190                       | 6 270                | 140                    | 95                   | 10           | M8                | 41                      | 1.6  | PHF FX400-65X95   |
|             | 70         | 110 | –  | 70             | 78             | 88   | 305                       | 10 730               | 170                    | 105                  | 10           | M10               | 83                      | 3    | PHF FX400-70X110  |
|             | 75         | 115 | –  | 70             | 78             | 88   | 305                       | 11 540               | 155                    | 100                  | 10           | M10               | 83                      | 3.1  | PHF FX400-75X115  |
|             | 80         | 120 | –  | 70             | 78             | 88   | 369                       | 14 700               | 175                    | 115                  | 12           | M10               | 83                      | 3.5  | PHF FX400-80X120  |
|             | 85         | 125 | –  | 70             | 78             | 88   | 369                       | 15 700               | 165                    | 110                  | 12           | M10               | 83                      | 3.5  | PHF FX400-85X125  |
|             | 90         | 130 | –  | 70             | 78             | 88   | 370                       | 16 610               | 157                    | 106                  | 12           | M10               | 83                      | 3.8  | PHF FX400-90X130  |
|             | 95         | 135 | –  | 70             | 78             | 88   | 370                       | 17 530               | 150                    | 102                  | 12           | M10               | 83                      | 4    | PHF FX400-95X135  |
|             | 100        | 145 | –  | 90             | 100            | 112  | 538                       | 26 900               | 160                    | 110                  | 12           | M12               | 145                     | 6    | PHF FX400-100X145 |
|             | 110        | 155 | –  | 90             | 100            | 112  | 538                       | 29 530               | 143                    | 102                  | 12           | M12               | 145                     | 6.2  | PHF FX400-110X155 |
|             | 120        | 165 | –  | 90             | 100            | 112  | 628                       | 37 610               | 154                    | 112                  | 14           | M12               | 145                     | 6.8  | PHF FX400-120X165 |
|             | 130        | 180 | –  | 104            | 116            | 130  | 738                       | 48 000               | 143                    | 106                  | 12           | M14               | 230                     | 9.8  | PHF FX400-130X180 |
|             | 140        | 190 | –  | 104            | 116            | 130  | 861                       | 60 290               | 160                    | 117                  | 14           | M14               | 230                     | 10.2 | PHF FX400-140X190 |
|             | 150        | 200 | –  | 104            | 116            | 130  | 985                       | 73 800               | 165                    | 125                  | 16           | M14               | 230                     | 10.9 | PHF FX400-150X200 |
|             | 160        | 210 | –  | 104            | 116            | 130  | 983                       | 78 770               | 155                    | 118                  | 16           | M14               | 230                     | 11.5 | PHF FX400-160X210 |
|             | 170        | 225 | –  | 134            | 146            | 162  | 1 197                     | 101 730              | 140                    | 108                  | 14           | M16               | 355                     | 17.2 | PHF FX400-170X225 |
|             | 180        | 235 | –  | 134            | 146            | 162  | 1 369                     | 123 200              | 150                    | 115                  | 16           | M16               | 355                     | 18   | PHF FX400-180X235 |
|             | 190        | 250 | –  | 134            | 146            | 162  | 1 368                     | 129 880              | 141                    | 110                  | 16           | M16               | 355                     | 21.5 | PHF FX400-190X250 |
|             | 200        | 260 | –  | 134            | 146            | 162  | 1 368                     | 136 840              | 137                    | 104                  | 16           | M16               | 355                     | 22   | PHF FX400-200X260 |
|             | 220        | 285 | –  | 134            | 146            | 162  | 1 710                     | 188 000              | 155                    | 120                  | 20           | M16               | 355                     | 25   | PHF FX400-220X285 |
|             | 240        | 305 | –  | 134            | 146            | 162  | 1 880                     | 225 000              | 155                    | 120                  | 22           | M16               | 355                     | 27   | PHF FX400-240X305 |
|             | 260        | 325 | –  | 134            | 146            | 162  | 1 880                     | 244 000              | 155                    | 115                  | 22           | M16               | 355                     | 30   | PHF FX400-260X325 |
|             | 280        | 355 | –  | 165            | 177            | 197  | 2 670                     | 373 000              | 145                    | 120                  | 20           | M20               | 690                     | 46   | PHF FX400-280X355 |
|             | 300        | 375 | –  | 165            | 177            | 197  | 2 930                     | 440 000              | 155                    | 125                  | 22           | M20               | 690                     | 50   | PHF FX400-300X375 |
|             | 320        | 405 | –  | 165            | 177            | 197  | 2 930                     | 470 000              | 145                    | 115                  | 22           | M20               | 690                     | 60   | PHF FX400-320X405 |
|             | 340        | 425 | –  | 165            | 177            | 197  | 3 200                     | 544 000              | 150                    | 120                  | 24           | M20               | 690                     | 65   | PHF FX400-340X425 |
|             | 360        | 455 | –  | 190            | 202            | 224  | 3 650                     | 658 000              | 140                    | 110                  | 22           | M22               | 930                     | 89   | PHF FX400-360X455 |
|             | 380        | 475 | –  | 190            | 202            | 224  | 4 320                     | 821 000              | 160                    | 130                  | 26           | M22               | 930                     | 93   | PHF FX400-380X475 |
|             | 400        | 495 | –  | 190            | 202            | 224  | 4 320                     | 864 000              | 150                    | 120                  | 26           | M22               | 930                     | 98   | PHF FX400-400X495 |

## SH bushings

### SHT | SHR

SH Bushings are designed to mount components to a shaft. Sounds simple, right? However, if you are using traditional connections, such as keys and keyways, which have been around for quite some time, or keyed tapered bushings, which are especially popular around the globe, you could be using something that is surprisingly ineffective.

When keyways are cut into components and shafts, they reduce the cross section and strength of the machined parts. As a result, any shafts, gears or pulleys containing a keyway must be oversized to compensate for the reduced cross section. Keys and keyways require a clearance fit on several planes. The combined effect of these clearances is backlash, which in some cases can enlarge the keyways, while promoting fatigue failures and fretting corrosion. So, with the facts in front of you, what are your options?



### SHT or SHR?

You can choose between SHT and SHR to get the mounting system that fits your application.



SHT, delivered with a slotted outer sleeve, locks your application with pressure and friction. You only need a cylindrical bore in the hub.



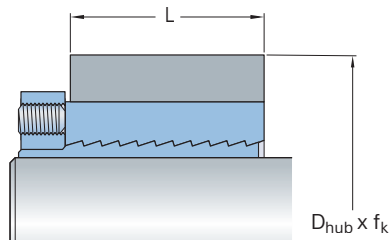
SHR, delivered with a non-slotted outer sleeve, can be used principally if you want to weld something onto the SH bushing, e.g. a lever.

## SH bushings

Details of tolerances for mating parts

| SH bushing<br><br>d × D | Shaft(d) h11 to k6 |         | Hub (D) h7 to h11 |         | Shaft(d) h11 to k6 |        | Hub (D) h7 to h11 |        |
|-------------------------|--------------------|---------|-------------------|---------|--------------------|--------|-------------------|--------|
|                         | Upper              | Lower   | Upper             | Lower   | Upper              | Lower  | Upper             | Lower  |
|                         | mm                 |         |                   |         | inch               |        |                   |        |
| 15 × 42                 | 15.012             | 14.890  | 42.160            | 42.000  | 0.5910             | 0.5862 | 16.598            | 16.535 |
| 16 × 42                 | 16.012             | 15.890  | 42.160            | 42.000  | 0.6304             | 0.6256 | 16.598            | 16.535 |
| 17 × 42                 | 17.012             | 16.890  | 42.160            | 42.000  | 0.6698             | 0.6650 | 16.598            | 16.535 |
| 18 × 42                 | 18.012             | 17.890  | 42.160            | 42.000  | 0.7091             | 0.7043 | 16.598            | 16.535 |
| 19 × 42                 | 19.015             | 18.870  | 42.160            | 42.000  | 0.7486             | 0.7429 | 16.598            | 16.535 |
| 20 × 42                 | 20.015             | 19.870  | 42.160            | 42.000  | 0.7880             | 0.7823 | 16.598            | 16.535 |
| 22 × 42                 | 22.015             | 21.870  | 42.160            | 42.000  | 0.8667             | 0.8610 | 16.598            | 16.535 |
| 24 × 46                 | 24.015             | 23.870  | 46.160            | 46.000  | 0.9455             | 0.9398 | 18.173            | 18.110 |
| 25 × 46                 | 25.015             | 24.870  | 46.160            | 46.000  | 0.9848             | 0.9791 | 18.173            | 18.110 |
| 28 × 55                 | 28.015             | 27.870  | 55.190            | 55.000  | 11.030             | 10.972 | 21.728            | 21.654 |
| 30 × 55                 | 30.015             | 29.870  | 55.190            | 55.000  | 11.817             | 11.760 | 21.728            | 21.654 |
| 32 × 60                 | 32.018             | 31.840  | 60.190            | 60.000  | 12.606             | 12.535 | 23.697            | 23.622 |
| 35 × 60                 | 35.018             | 34.840  | 60.190            | 60.000  | 13.787             | 13.717 | 23.697            | 23.622 |
| 38 × 67                 | 38.018             | 37.840  | 67.190            | 67.000  | 14.968             | 14.898 | 26.453            | 26.378 |
| 40 × 67                 | 40.018             | 39.840  | 67.190            | 67.000  | 15.755             | 15.685 | 26.453            | 26.378 |
| 42 × 67                 | 42.018             | 41.840  | 67.190            | 67.000  | 16.543             | 16.472 | 26.453            | 26.378 |
| 45 × 70                 | 45.018             | 44.840  | 70.190            | 70.000  | 17.724             | 17.654 | 27.634            | 27.559 |
| 48 × 77                 | 48.018             | 47.840  | 77.190            | 77.000  | 18.905             | 18.835 | 30.390            | 30.315 |
| 50 × 77                 | 50.018             | 49.840  | 77.190            | 77.000  | 19.692             | 19.622 | 30.390            | 30.315 |
| 55 × 85                 | 55.021             | 54.810  | 85.220            | 85.000  | 21.662             | 21.579 | 33.551            | 33.465 |
| 60 × 92                 | 60.021             | 59.810  | 92.220            | 92.000  | 23.630             | 23.547 | 36.307            | 36.220 |
| 65 × 100                | 65.021             | 64.810  | 100.220           | 100.000 | 25.599             | 25.516 | 39.457            | 39.370 |
| 70 × 105                | 70.021             | 69.810  | 105.220           | 105.000 | 27.567             | 27.484 | 41.425            | 41.339 |
| 75 × 110                | 75.021             | 74.810  | 110.220           | 110.000 | 29.536             | 29.453 | 43.394            | 43.307 |
| 80 × 120                | 80.021             | 79.810  | 120.220           | 120.000 | 31.504             | 31.421 | 47.331            | 47.244 |
| 85 × 125                | 85.025             | 84.780  | 125.250           | 125.000 | 33.474             | 33.378 | 49.311            | 49.213 |
| 90 × 135                | 90.025             | 89.780  | 135.250           | 135.000 | 35.443             | 35.346 | 53.248            | 53.150 |
| 95 × 140                | 95.025             | 94.780  | 140.250           | 140.000 | 37.411             | 37.315 | 55.217            | 55.118 |
| 100 × 140               | 100.025            | 99.780  | 140.250           | 140.000 | 39.380             | 39.283 | 55.217            | 55.118 |
| 110 × 155               | 110.025            | 109.780 | 155.250           | 155.000 | 43.317             | 43.220 | 61.122            | 61.024 |
| 120 × 165               | 120.025            | 119.780 | 165.250           | 165.000 | 47.254             | 47.157 | 65.059            | 64.961 |
| 130 × 175               | 130.028            | 129.750 | 175.250           | 175.000 | 51.192             | 51.038 | 68.996            | 68.898 |
| 140 × 185               | 140.028            | 139.750 | 185.290           | 185.000 | 55.129             | 55.020 | 72.949            | 72.935 |
| 150 × 205               | 150.028            | 149.750 | 205.290           | 205.000 | 59.066             | 58.957 | 80.823            | 80.709 |
| 160 × 215               | 160.028            | 159.750 | 215.290           | 215.000 | 63.003             | 62.894 | 84.760            | 84.646 |

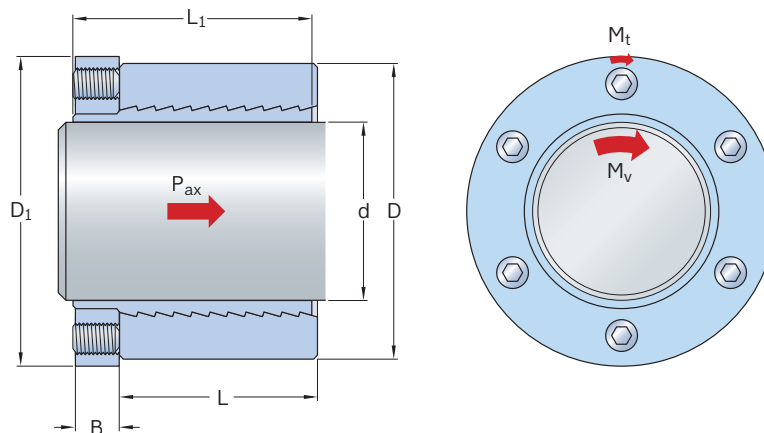
| SH bushing                               | Shaft(d) h11 to k6 |        | Hub (D) h7 to h11 |        | Shaft(d) h11 to k6 |           | Hub (D) h7 to h11 |           |
|------------------------------------------|--------------------|--------|-------------------|--------|--------------------|-----------|-------------------|-----------|
| d × D                                    | Upper              | Lower  | Upper             | Lower  | Upper              | Lower     | Upper             | Lower     |
|                                          | inch               |        |                   |        | mm                 |           |                   |           |
| $\frac{5}{8} \times 1 \frac{13}{16}$     | 0.6255             | 0.6207 | 18.188            | 18.125 | 158.870            | 157.650   | 461.975           | 460.375   |
| $\frac{3}{4} \times 1 \frac{13}{16}$     | 0.7506             | 0.7449 | 18.188            | 18.125 | 190.650            | 189.200   | 461.975           | 460.375   |
| $\frac{7}{8} \times 1 \frac{13}{16}$     | 0.8756             | 0.8699 | 18.188            | 18.125 | 222.400            | 220.950   | 461.975           | 460.375   |
| $\frac{15}{16} \times 1 \frac{15}{16}$   | 0.9381             | 0.9324 | 19.438            | 19.375 | 238.275            | 236.825   | 493.725           | 492.125   |
| $1 \times 1 \frac{15}{16}$               | 10.006             | 0.9949 | 19.438            | 19.375 | 254.150            | 252.700   | 493.725           | 492.125   |
| $1 \frac{1}{8} \times 2 \frac{5}{16}$    | 11.256             | 11.199 | 23.200            | 23.125 | 285.900            | 284.450   | 589.275           | 587.375   |
| $1 \frac{3}{16} \times 2 \frac{5}{16}$   | 11.882             | 11.812 | 23.200            | 23.125 | 301.805            | 300.025   | 589.275           | 587.375   |
| $1 \frac{1}{4} \times 2 \frac{7}{16}$    | 12.507             | 12.437 | 24.450            | 24.375 | 317.680            | 315.900   | 621.025           | 619.125   |
| $1 \frac{5}{16} \times 2 \frac{7}{16}$   | 13.132             | 13.062 | 24.450            | 24.375 | 333.555            | 331.775   | 621.025           | 619.125   |
| $1 \frac{3}{8} \times 2 \frac{7}{16}$    | 13.757             | 13.687 | 24.450            | 24.375 | 349.430            | 347.650   | 621.025           | 619.125   |
| $1 \frac{7}{16} \times 2 \frac{13}{16}$  | 14.382             | 14.312 | 28.200            | 28.125 | 365.305            | 363.525   | 716.275           | 714.375   |
| $1 \frac{1}{2} \times 2 \frac{13}{16}$   | 15.007             | 14.937 | 28.200            | 28.125 | 381.180            | 379.400   | 716.275           | 714.375   |
| $1 \frac{5}{8} \times 2 \frac{13}{16}$   | 16.257             | 16.187 | 28.200            | 28.125 | 412.930            | 411.150   | 716.275           | 714.375   |
| $1 \frac{3}{4} \times 2 \frac{15}{16}$   | 17.507             | 17.437 | 29.450            | 29.375 | 444.680            | 442.900   | 748.025           | 746.125   |
| $1 \frac{7}{8} \times 3 \frac{3}{16}$    | 18.757             | 18.687 | 31.962            | 31.875 | 476.430            | 474.650   | 811.825           | 809.625   |
| $1 \frac{15}{16} \times 3 \frac{3}{16}$  | 19.382             | 19.312 | 31.962            | 31.875 | 492.305            | 490.525   | 811.825           | 809.625   |
| $2 \times 3 \frac{3}{16}$                | 20.008             | 19.925 | 31.962            | 31.875 | 508.210            | 506.100   | 811.825           | 809.625   |
| $2 \frac{1}{8} \times 3 \frac{7}{16}$    | 21.258             | 21.215 | 34.462            | 34.375 | 539.960            | 538.850   | 875.325           | 873.125   |
| $2 \frac{3}{16} \times 3 \frac{7}{16}$   | 21.883             | 21.800 | 34.462            | 34.375 | 555.835            | 553.725   | 875.325           | 873.125   |
| $2 \frac{3}{8} \times 4 \frac{1}{16}$    | 23.758             | 23.675 | 40.712            | 40.625 | 603.460            | 601.350   | 1.034.075         | 1.031.875 |
| $2 \frac{7}{16} \times 4 \frac{1}{16}$   | 24.383             | 24.300 | 40.712            | 40.625 | 619.335            | 617.225   | 1.034.075         | 1.031.875 |
| $2 \frac{1}{2} \times 4 \frac{1}{16}$    | 25.008             | 24.927 | 40.712            | 40.625 | 635.210            | 633.100   | 1.034.075         | 1.031.875 |
| $2 \frac{3}{4} \times 4 \frac{3}{16}$    | 27.508             | 27.425 | 41.962            | 41.875 | 698.710            | 696.600   | 1.065.825         | 1.063.625 |
| $2 \frac{15}{16} \times 4 \frac{7}{16}$  | 29.383             | 29.300 | 44.462            | 44.375 | 746.335            | 744.225   | 1.129.325         | 1.127.125 |
| $3 \times 4 \frac{13}{16}$               | 30.008             | 29.925 | 48.223            | 48.125 | 762.210            | 760.100   | 1.224.875         | 1.222.375 |
| $3 \frac{3}{16} \times 4 \frac{13}{16}$  | 31.885             | 31.788 | 48.223            | 48.125 | 809.875            | 807.425   | 1.224.875         | 1.222.375 |
| $3 \frac{3}{8} \times 5 \frac{1}{16}$    | 33.760             | 33.663 | 50.723            | 50.625 | 857.500            | 855.050   | 1.288.375         | 1.285.875 |
| $3 \frac{7}{16} \times 5 \frac{7}{16}$   | 34.385             | 34.288 | 54.473            | 54.375 | 873.375            | 870.925   | 1.383.625         | 1.381.125 |
| $3 \frac{1}{2} \times 5 \frac{7}{16}$    | 35.010             | 34.913 | 54.473            | 54.375 | 889.250            | 886.800   | 1.383.625         | 1.381.125 |
| $3 \frac{15}{16} \times 5 \frac{11}{16}$ | 39.385             | 39.288 | 56.973            | 56.875 | 1.000.375          | 997.925   | 1.447.125         | 1.444.625 |
| $4 \times 6 \frac{3}{16}$                | 40.010             | 39.913 | 61.973            | 61.875 | 1.016.250          | 1.013.800 | 1.574.125         | 1.571.625 |
| $4 \frac{7}{16} \times 6 \frac{9}{16}$   | 44.385             | 44.288 | 65.723            | 65.625 | 1.127.375          | 1.124.925 | 1.669.375         | 1.666.875 |
| $4 \frac{1}{2} \times 6 \frac{9}{16}$    | 45.010             | 44.913 | 65.723            | 65.625 | 1.143.250          | 1.140.800 | 1.669.375         | 1.666.875 |
| $4 \frac{15}{16} \times 6 \frac{15}{16}$ | 49.386             | 49.277 | 69.473            | 69.375 | 1.254.405          | 1.251.625 | 1.764.625         | 1.762.125 |
| $5 \times 6 \frac{15}{16}$               | 50.011             | 49.902 | 69.473            | 69.375 | 1.270.280          | 1.267.500 | 1.764.625         | 1.762.125 |
| $5 \frac{1}{2} \times 7 \frac{5}{16}$    | 55.011             | 54.902 | 73.239            | 73.125 | 1.397.280          | 1.394.500 | 1.860.275         | 1.857.375 |
| $6 \times 8 \frac{5}{16}$                | 60.011             | 59.902 | 83.239            | 83.125 | 1.524.280          | 1.521.500 | 2.114.275         | 2.111.375 |



| Designation | Dimensions<br>d × D | Surface pressure<br>against hub<br>P <sub>y</sub> | Required minimum hub diameter<br>D <sub>hub</sub> (mm) |     |     |     |     |     |                   |
|-------------|---------------------|---------------------------------------------------|--------------------------------------------------------|-----|-----|-----|-----|-----|-------------------|
|             |                     |                                                   | Yield limit R <sub>p</sub> 0.2<br>80                   | 120 | 200 | 250 | 300 | 400 | 500               |
| –           | mm                  | N/mm <sup>2</sup>                                 | N/mm <sup>2</sup>                                      |     |     |     | kN  | Nm  | N/mm <sup>2</sup> |
| SHT 15      | 15 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 16      | 16 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 17      | 17 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 18      | 18 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 19      | 19 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 20      | 20 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 22      | 22 × 42             | 42                                                | 77                                                     | 61  | 52  | 50  | 49  | 47  | 46                |
| SHT 24      | 24 × 46             | 58                                                | 118                                                    | 79  | 62  | 59  | 56  | 53  | 52                |
| SHT 25      | 25 × 46             | 58                                                | 118                                                    | 79  | 62  | 59  | 56  | 53  | 52                |
| SHT 28      | 28 × 55             | 66                                                | 185                                                    | 103 | 78  | 72  | 69  | 65  | 63                |
| SHT 30      | 30 × 55             | 66                                                | 185                                                    | 103 | 78  | 72  | 69  | 65  | 63                |
| SHT 32      | 32 × 60             | 60                                                | 164                                                    | 105 | 82  | 77  | 74  | 70  | 68                |
| SHT 35      | 35 × 60             | 61                                                | 169                                                    | 106 | 83  | 77  | 74  | 70  | 68                |
| SHT 38      | 38 × 67             | 54                                                | 155                                                    | 110 | 89  | 84  | 81  | 77  | 75                |
| SHT 40      | 40 × 67             | 54                                                | 155                                                    | 110 | 89  | 84  | 81  | 77  | 75                |
| SHT 42      | 42 × 67             | 54                                                | 155                                                    | 110 | 89  | 84  | 81  | 77  | 75                |
| SHT 45      | 45 × 70             | 53                                                | 159                                                    | 114 | 92  | 87  | 84  | 80  | 78                |
| SHT 48      | 48 × 77             | 50                                                | 164                                                    | 121 | 100 | 95  | 91  | 88  | 85                |
| SHT 50      | 50 × 77             | 50                                                | 164                                                    | 121 | 100 | 95  | 91  | 88  | 85                |
| SHT 55      | 55 × 85             | 48                                                | 173                                                    | 131 | 109 | 103 | 100 | 96  | 94                |
| SHT 60      | 60 × 92             | 33                                                | 143                                                    | 122 | 109 | 105 | 103 | 100 | 98                |
| SHT 65      | 65 × 100            | 37                                                | 168                                                    | 139 | 121 | 117 | 114 | 110 | 108               |
| SHT 70      | 70 × 105            | 41                                                | 189                                                    | 152 | 130 | 125 | 121 | 117 | 114               |
| SHT 75      | 75 × 110            | 35                                                | 176                                                    | 149 | 131 | 127 | 124 | 120 | 118               |
| SHT 80      | 80 × 120            | 39                                                | 208                                                    | 170 | 147 | 141 | 137 | 133 | 130               |
| SHT 85      | 85 × 125            | 44                                                | 236                                                    | 185 | 157 | 150 | 145 | 140 | 137               |
| SHT 90      | 90 × 135            | 46                                                | 265                                                    | 204 | 172 | 163 | 158 | 152 | 148               |
| SHT 95      | 95 × 140            | 42                                                | 255                                                    | 204 | 174 | 166 | 162 | 156 | 153               |
| SHT 100     | 100 × 140           | 40                                                | 246                                                    | 200 | 172 | 165 | 161 | 155 | 152               |
| SHT 110     | 110 × 155           | 37                                                | 254                                                    | 213 | 187 | 181 | 176 | 171 | 167               |
| SHT 120     | 120 × 165           | 37                                                | 271                                                    | 226 | 199 | 192 | 188 | 182 | 178               |
| SHT 130     | 130 × 175           | 36                                                | 282                                                    | 240 | 211 | 204 | 197 | 193 | 188               |
| SHT 140     | 140 × 185           | 34                                                | 294                                                    | 247 | 221 | 213 | 208 | 201 | 199               |
| SHT 150     | 150 × 205           | 34                                                | 326                                                    | 274 | 244 | 236 | 231 | 223 | 221               |
| SHT 160     | 160 × 215           | 35                                                | 342                                                    | 291 | 256 | 247 | 242 | 234 | 232               |

## SH bushings

Dimensions and product range | Metric

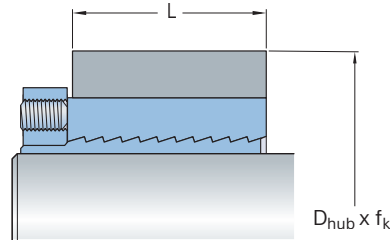


| Dimensions       |     |                |     |                |      | Locking screws |          | Tightening torque | Maximum torque | Maximum axial load | Designations   |                    |
|------------------|-----|----------------|-----|----------------|------|----------------|----------|-------------------|----------------|--------------------|----------------|--------------------|
| d                | D   | D <sub>1</sub> | L   | L <sub>1</sub> | B    | No.            | Size     | M <sub>t</sub>    | M <sub>v</sub> | P <sub>ax</sub>    | SMH<br>Slotted | SMR<br>Not slotted |
| mm               |     |                |     |                |      | –              | mm       | Nm                | Nm             | kN                 | –              | –                  |
| 15               | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 135            | 18                 | SHT 15         | SHR 15             |
| 16               | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 140            | 18                 | SHT 16         | SHR 16             |
| 17               | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 150            | 18                 | SHT 17         | SHR 17             |
| 18               | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 160            | 18                 | SHT 18         | SHR 18             |
| 19 <sup>1)</sup> | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 170            | 18                 | SHT 19         | SHR 19             |
| 20               | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 180            | 18                 | SHT 20         | SHR 20             |
| 22               | 42  | 49             | 27  | 36             | 9.5  | 4              | M6 × 12  | 8                 | 200            | 18                 | SHT 22         | SHR 22             |
| 24               | 46  | 53             | 27  | 37             | 10.5 | 6              | M6 × 12  | 8                 | 325            | 27                 | SHT 24         | SHR 24             |
| 25               | 46  | 53             | 27  | 37             | 10.5 | 6              | M6 × 12  | 8                 | 340            | 27                 | SHT 25         | SHR 25             |
| 28               | 55  | 63             | 32  | 44             | 12.5 | 4              | M8 × 16  | 18                | 490            | 35                 | SHT 28         | SHR 28             |
| 30               | 55  | 63             | 32  | 44             | 12.5 | 4              | M8 × 16  | 18                | 525            | 35                 | SHT 30         | SHR 30             |
| 32               | 60  | 67             | 37  | 49             | 12.5 | 5              | M8 × 16  | 18                | 650            | 41                 | SHT 32         | SHR 32             |
| 35               | 60  | 67             | 37  | 49             | 12.5 | 5              | M8 × 16  | 18                | 720            | 41                 | SHT 35         | SHR 35             |
| 38               | 67  | 75             | 45  | 57             | 12.5 | 6              | M8 × 16  | 16                | 950            | 50                 | SHT 38         | SHR 38             |
| 40               | 67  | 75             | 45  | 57             | 12.5 | 6              | M8 × 16  | 18                | 1000           | 50                 | SHT 40         | SHR 40             |
| 42               | 67  | 75             | 45  | 57             | 12.5 | 6              | M8 × 16  | 18                | 1050           | 50                 | SHT 42         | SHR 42             |
| 45               | 70  | 77             | 50  | 63             | 13.5 | 7              | M8 × 16  | 18                | 1280           | 57                 | SHT 45         | SHR 45             |
| 48               | 77  | 83             | 55  | 68.8           | 14   | 8              | M8 × 16  | 18                | 1560           | 65                 | SHT 48         | SHR 48             |
| 50               | 77  | 83             | 55  | 68.5           | 14   | 8              | M8 × 16  | 18                | 1625           | 65                 | SHT 50         | SHR 50             |
| 55               | 85  | 90             | 60  | 73.5           | 14   | 9              | M8 × 16  | 18                | 2040           | 75                 | SHT 55         | SHR 55             |
| 60               | 92  | 98             | 65  | 79.5           | 15   | 6              | M10 × 16 | 34                | 2 250          | 75                 | SHT 60         | SHR 60             |
| 65               | 100 | 105            | 70  | 87             | 17   | 8              | M10 × 20 | 34                | 3 250          | 100                | SHT 65         | SHR 65             |
| 70               | 105 | 110            | 75  | 92.5           | 17.5 | 10             | M10 × 20 | 34                | 4 400          | 125                | SHT 70         | SHR 70             |
| 75               | 110 | 115            | 85  | 102            | 17   | 10             | M10 × 20 | 34                | 4 750          | 125                | SHT 75         | SHR 75             |
| 80               | 120 | 126            | 90  | 111            | 21   | 8              | M12 × 25 | 60                | 6 000          | 150                | SHT 80         | SHR 80             |
| 85               | 125 | 133            | 95  | 116.5          | 21.5 | 10             | M12 × 25 | 60                | 8 000          | 186                | SHT 85         | SHR 85             |
| 90               | 135 | 141            | 100 | 123.5          | 23.5 | 12             | M12 × 25 | 60                | 10 000         | 224                | SHT 90         | SHR 90             |
| 95               | 140 | 148            | 105 | 127.5          | 22.5 | 12             | M12 × 25 | 60                | 10 600         | 224                | SHT 95         | SHR 95             |
| 100              | 140 | 148            | 110 | 132.5          | 22.5 | 12             | M12 × 25 | 60                | 11 200         | 224                | SHT 100        | SHR 100            |
| 110              | 155 | 161            | 120 | 143            | 23   | 14             | M12 × 25 | 60                | 13 400         | 244                | SHT 110        | SHR 110            |
| 120              | 165 | 171            | 130 | 155            | 25   | 16             | M12 × 25 | 60                | 16 700         | 279                | SHT 120        | SHR 120            |
| 130              | 175 | 181            | 140 | 166            | 26   | 18             | M12 × 25 | 60                | 20 400         | 314                | SHT 130        | SHR 130            |
| 140              | 185 | 191            | 155 | 181            | 26   | 20             | M12 × 25 | 60                | 24 400         | 349                | SHT 140        | SHR 140            |
| 150              | 205 | 213            | 150 | 176.5          | 26.5 | 12             | M16 × 30 | 140               | 28 000         | 373                | SHT 150        | SHR 150            |
| 160              | 215 | 223            | 160 | 189            | 29   | 14             | M16 × 30 | 140               | 34 800         | 435                | SHT 160        | SHR 160            |

<sup>1)</sup> Also available with d = 3/4"

# SH bushings

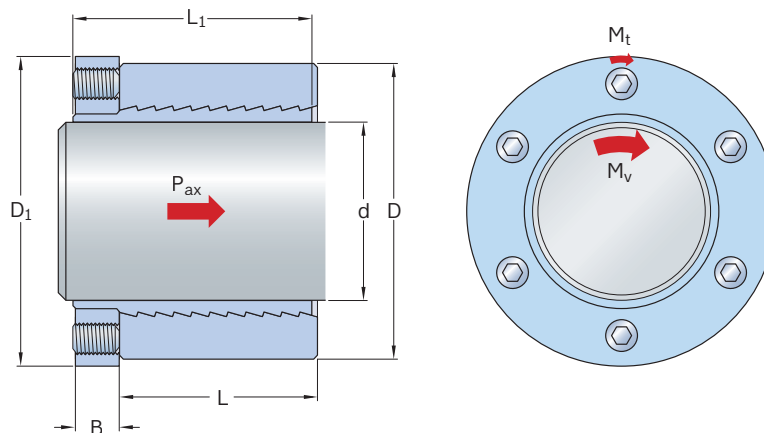
## Technical data | Inch sizes



| Designation | Dimensions |                   | Surface pressure<br>against hub<br>Py | Required minimum hub diameter<br>D <sub>hub</sub> (inch) |        |        |        |        |        |                   |
|-------------|------------|-------------------|---------------------------------------|----------------------------------------------------------|--------|--------|--------|--------|--------|-------------------|
|             | d × D      |                   |                                       | Yield limit R <sub>p</sub> 0.2<br>12 000                 | 18 000 | 29 000 | 37 000 | 44 000 | 58 000 | 73 000            |
| –           | Inch       |                   | Psi                                   | PSI                                                      |        |        |        | kN     | Nm     | N/mm <sup>2</sup> |
| SHT         | 5/8        | 5/8 × 1 13/16     | 6 930                                 | 3.622                                                    | 2.795  | 2.323  | 2.205  | 2.165  | 2.047  | 2.008             |
| SHT         | 3/4        | 3/4 × 1 13/16     | 6 930                                 | 3.622                                                    | 2.795  | 2.323  | 2.205  | 2.165  | 2.047  | 2.008             |
| SHT         | 7/8        | 7/8 × 1 13/16     | 6 930                                 | 3.622                                                    | 2.795  | 2.323  | 2.205  | 2.165  | 2.047  | 2.008             |
| SHT         | 15/16      | 15/16 × 1 15/16   | 9 730                                 | 6.575                                                    | 3.661  | 2.756  | 2.559  | 2.441  | 2.323  | 2.244             |
| SHT         | 1          | 1 × 1 15/16       | 9 730                                 | 6.575                                                    | 3.661  | 2.756  | 2.559  | 2.441  | 2.323  | 2.244             |
| SHT         | 1 1/8      | 1 1/8 × 2 5/16    | 7 300                                 | 4.882                                                    | 3.661  | 3.031  | 2.874  | 2.756  | 2.638  | 2.598             |
| SHT         | 1 3/16     | 1 3/16 × 2 5/16   | 7 300                                 | 4.882                                                    | 3.661  | 3.031  | 2.874  | 2.756  | 2.638  | 2.598             |
| SHT         | 1 1/4      | 1 1/4 × 2 7/16    | 7 350                                 | 5.276                                                    | 3.898  | 3.228  | 3.071  | 2.953  | 2.835  | 2.756             |
| SHT         | 1 5/16     | 1 5/16 × 2 7/16   | 7 350                                 | 5.276                                                    | 3.898  | 3.228  | 3.071  | 2.953  | 2.835  | 2.756             |
| SHT         | 1 3/8      | 1 3/8 × 2 7/16    | 7 350                                 | 5.276                                                    | 3.898  | 3.228  | 3.071  | 2.953  | 2.835  | 2.756             |
| SHT         | 1 7/16     | 1 7/16 × 2 13/16  | 6 370                                 | 5.236                                                    | 4.134  | 3.543  | 3.366  | 3.268  | 3.150  | 3.110             |
| SHT         | 1 1/2      | 1 1/2 × 2 13/16   | 6 370                                 | 5.236                                                    | 4.134  | 3.543  | 3.386  | 3.268  | 3.150  | 3.110             |
| SHT         | 1 5/8      | 1 5/8 × 2 13/16   | 6 370                                 | 5.236                                                    | 4.134  | 3.543  | 3.386  | 3.268  | 3.150  | 3.110             |
| SHT         | 1 3/4      | 1 3/4 × 2 15/16   | 6 530                                 | 5.669                                                    | 4.409  | 3.740  | 3.543  | 3.465  | 3.307  | 3.228             |
| SHT         | 1 7/8      | 1 7/8 × 3 3/16    | 6 110                                 | 5.827                                                    | 4.606  | 3.976  | 3.800  | 3.701  | 3.543  | 3.504             |
| SHT         | 1 15/16    | 1 15/16 × 3 3/16  | 6 110                                 | 5.827                                                    | 4.606  | 3.976  | 3.800  | 3.701  | 3.543  | 3.504             |
| SHT         | 2          | 2 × 3 3/16        | 6 110                                 | 5.827                                                    | 4.606  | 3.976  | 3.800  | 3.701  | 3.543  | 3.504             |
| SHT         | 2 1/8      | 2 1/8 × 3 7/16    | 5 830                                 | 5.984                                                    | 4.882  | 4.252  | 4.055  | 3.937  | 3.819  | 3.740             |
| SHT         | 2 3/16     | 2 3/16 × 3 7/16   | 5 830                                 | 5.984                                                    | 4.882  | 4.252  | 4.055  | 3.937  | 3.819  | 3.740             |
| SHT         | 2 3/8      | 2 3/8 × 4 1/16    | 6 480                                 | 7.717                                                    | 6.063  | 5.157  | 4.921  | 4.764  | 4.606  | 4.488             |
| SHT         | 2 7/16     | 2 7/16 × 4 1/16   | 6 480                                 | 7.717                                                    | 6.063  | 5.157  | 4.921  | 4.764  | 4.606  | 4.488             |
| SHT         | 2 1/2      | 2 1/2 × 4 1/16    | 6 480                                 | 7.717                                                    | 6.063  | 5.157  | 4.921  | 4.764  | 4.606  | 4.488             |
| SHT         | 2 3/4      | 2 3/4 × 4 3/16    | 7 900                                 | 9.646                                                    | 6.850  | 5.551  | 5.236  | 5.039  | 4.803  | 4.685             |
| SHT         | 2 15/16    | 2 15/16 × 4 7/16  | 6 960                                 | 8.899                                                    | 6.811  | 5.669  | 5.394  | 5.236  | 5.039  | 4.921             |
| SHT         | 3          | 3 × 4 13/16       | 6 610                                 | 9.213                                                    | 7.205  | 6.102  | 5.827  | 5.630  | 5.433  | 5.276             |
| SHT         | 3 3/16     | 3 3/16 × 4 13/16  | 6 610                                 | 9.213                                                    | 7.205  | 6.102  | 5.827  | 5.630  | 5.433  | 5.276             |
| SHT         | 3 3/8      | 3 3/8 × 5 1/16    | 7 850                                 | 11.535                                                   | 8.268  | 6.693  | 6.339  | 6.102  | 5.827  | 5.669             |
| SHT         | 3 7/16     | 3 7/16 × 5 7/16   | 8 210                                 | 13.150                                                   | 9.094  | 7.283  | 6.850  | 6.614  | 6.299  | 6.102             |
| SHT         | 3 1/2      | 3 1/2 × 5 7/16    | 8 210                                 | 13.150                                                   | 9.094  | 7.283  | 6.850  | 6.614  | 6.299  | 6.102             |
| SHT         | 3 15/16    | 3 15/16 × 5 11/16 | 7 860                                 | 12.992                                                   | 9.291  | 7.520  | 7.126  | 6.850  | 6.535  | 6.378             |
| SHT         | 4          | 4 × 6 3/16        | 7 880                                 | 14.173                                                   | 10.079 | 8.189  | 7.717  | 7.441  | 7.126  | 6.929             |
| SHT         | 4 7/16     | 4 7/16 × 6 9/16   | 7 530                                 | 14.252                                                   | 10.433 | 8.583  | 8.110  | 7.835  | 7.480  | 7.283             |
| SHT         | 4 1/2      | 4 1/2 × 6 9/16    | 7 530                                 | 14.252                                                   | 10.433 | 8.583  | 8.110  | 7.835  | 7.480  | 7.283             |
| SHT         | 4 15/16    | 4 15/16 × 6 15/16 | 7 590                                 | 15.197                                                   | 11.102 | 9.094  | 8.583  | 8.307  | 7.913  | 7.717             |
| SHT         | 5          | 5 × 6 15/16       | 7 590                                 | 15.197                                                   | 11.102 | 9.094  | 8.583  | 8.307  | 7.913  | 7.717             |
| SHT         | 5 1/2      | 5 1/2 × 7 5/16    | 7 590                                 | 16.024                                                   | 11.693 | 9.606  | 9.094  | 8.740  | 8.386  | 8.150             |
| SHT         | 6          | 6 × 8 5/16        | 6 800                                 | 16.299                                                   | 12.598 | 10.591 | 10.079 | 9.764  | 9.370  | 9.134             |

## SH bushings

Dimensions and product range | Inch size



| Dimensions |         |                |     |                |      | Locking screws |          | Tightening torque | Maximum torque | Maximum axial load | Designations   |                    |
|------------|---------|----------------|-----|----------------|------|----------------|----------|-------------------|----------------|--------------------|----------------|--------------------|
| d          | D       | D <sub>1</sub> | L   | L <sub>1</sub> | B    | No.            | Size     | M <sub>t</sub>    | M <sub>v</sub> | P <sub>ax</sub>    | SMH<br>Slotted | SMR<br>Not slotted |
| inch       |         |                |     |                |      | —              | mm       | lb/ft             | lb/ft          | lb                 | inch           | inch               |
| 5/8        | 1 13/16 | 49             | 27  | 36,5           | 9,5  | 4              | M6 x 12  | 5,9               | 105            | 4 040              | 5/8            | 5/8                |
| 3/4        | 1 13/16 | 49             | 27  | 36,5           | 9,5  | 4              | M6 x 12  | 5,9               | 126            | 4 040              | 3/4            | 3/4                |
| 7/8        | 1 13/16 | 49             | 27  | 36,5           | 9,5  | 4              | M6 x 12  | 5,9               | 147            | 4 040              | 7/8            | 7/8                |
| 15/16      | 1 15/16 | 53             | 27  | 37,5           | 10,5 | 6              | M6 x 12  | 5,9               | 236            | 6 060              | 15/16          | 15/16              |
| 1          | 1 15/16 | 53             | 27  | 37,5           | 10,5 | 6              | M6 x 12  | 5,9               | 252            | 6 060              | 1              | 1                  |
| 1 1/8      | 2 5/16  | 63             | 32  | 44,5           | 12,5 | 4              | M8 x 16  | 13,28             | 350            | 7 490              | 1 1/8          | 1 1/8              |
| 1 3/16     | 2 5/16  | 63             | 32  | 44,5           | 12,5 | 4              | M8 x 16  | 13,28             | 370            | 7 490              | 1 3/16         | 1 3/16             |
| 1 1/4      | 2 7/16  | 67             | 37  | 49,5           | 12,5 | 5              | M8 x 16  | 13,28             | 487            | 9 350              | 1 1/4          | 1 1/4              |
| 1 5/16     | 2 7/16  | 67             | 37  | 49,5           | 12,5 | 5              | M8 x 16  | 13,28             | 511            | 9 360              | 1 5/16         | 1 5/16             |
| 1 3/8      | 2 7/16  | 67             | 37  | 49,5           | 12,5 | 5              | M8 x 16  | 13,28             | 536            | 9 360              | 1 3/8          | 1 3/8              |
| 1 7/16     | 2 13/16 | 75             | 45  | 57,5           | 12,5 | 6              | M8 x 16  | 13,28             | 673            | 11 230             | 1 7/16         | 1 7/16             |
| 1 1/2      | 2 13/16 | 75             | 45  | 57,5           | 12,5 | 6              | M8 x 16  | 13,28             | 701            | 11 230             | 1 1/2          | 1 1/2              |
| 1 5/8      | 2 13/16 | 75             | 45  | 57,5           | 12,5 | 6              | M8 x 16  | 13,28             | 760            | 11 230             | 1 5/8          | 1 5/8              |
| 1 3/4      | 2 15/16 | 77             | 50  | 63,5           | 13,5 | 7              | M8 x 16  | 13,28             | 955            | 13 100             | 1 3/4          | 1 3/4              |
| 1 7/8      | 3 3/16  | 83             | 55  | 69             | 14   | 8              | M8 x 16  | 13,28             | 1170           | 14 970             | 1 7/8          | 1 7/8              |
| 1 15/16    | 3 3/16  | 83             | 55  | 69             | 14   | 8              | M8 x 16  | 13,28             | 1210           | 14 970             | 1 15/16        | 1 15/16            |
| 2          | 3 3/16  | 83             | 55  | 69             | 14   | 8              | M8 x 16  | 13,28             | 1250           | 14 970             | 2              | 2                  |
| 2 1/8      | 3 7/16  | 90             | 60  | 74             | 14   | 9              | M8 x 16  | 13,28             | 1490           | 16 850             | 2 1/8          | 2 1/8              |
| 2 3/16     | 3 7/16  | 90             | 60  | 74             | 14   | 9              | M8 x 16  | 13,28             | 1530           | 16 850             | 2 3/16         | 2 3/16             |
| 2 3/8      | 4 1/16  | 105            | 70  | 87             | 17   | 8              | M10 x 20 | 25,08             | 2 235          | 22 590             | 2 3/8          | 2 3/8              |
| 2 7/16     | 4 1/16  | 105            | 70  | 87             | 17   | 8              | M10 x 20 | 25,08             | 2 290          | 22 590             | 2 7/16         | 2 7/16             |
| 2 1/2      | 4 1/16  | 105            | 70  | 87             | 17   | 8              | M10 x 20 | 25,08             | 2 350          | 22 590             | 2 1/2          | 2 1/2              |
| 2 3/4      | 4 3/16  | 110            | 70  | 87,5           | 17,5 | 10             | M10 x 20 | 25,08             | 3 235          | 28 240             | 2 3/4          | 2 3/4              |
| 2 15/16    | 4 7/16  | 115            | 75  | 92             | 17   | 10             | M10 x 20 | 25,08             | 3 455          | 28 240             | 2 15/16        | 2 15/16            |
| 3          | 4 13/16 | 126            | 75  | 96             | 21   | 8              | M12 x 25 | 44,25             | 4 190          | 33 550             | 3              | 3                  |
| 3 3/16     | 4 13/16 | 126            | 75  | 96             | 21   | 8              | M12 x 25 | 44,25             | 4 450          | 33 550             | 3 3/16         | 3 3/16             |
| 3 3/8      | 5 1/16  | 133            | 75  | 96,5           | 21,5 | 10             | M12 x 25 | 44,25             | 5 900          | 41 940             | 3 3/8          | 3 3/8              |
| 3 7/16     | 5 7/16  | 141            | 80  | 103,5          | 23,5 | 12             | M12 x 30 | 44,25             | 7 210          | 50 300             | 3 7/16         | 3 7/16             |
| 3 1/2      | 5 7/16  | 141            | 80  | 103,5          | 23,5 | 12             | M12 x 30 | 44,25             | 7 340          | 50 300             | 3 1/2          | 3 1/2              |
| 3 15/16    | 5 11/16 | 148            | 80  | 102,5          | 22,5 | 12             | M12 x 30 | 44,25             | 8 250          | 50 300             | 3 15/16        | 3 15/16            |
| 4          | 6 3/16  | 161            | 80  | 103            | 23   | 14             | M12 x 30 | 44,25             | 9 150          | 54 710             | 4              | 4                  |
| 4 7/16     | 6 7/16  | 171            | 90  | 115            | 25   | 16             | M12 x 30 | 44,25             | 11 600         | 62 750             | 4 7/16         | 4 7/16             |
| 4 1/2      | 6 7/16  | 171            | 90  | 115            | 25   | 16             | M12 x 30 | 44,25             | 11 760         | 62 750             | 4 1/2          | 4 1/2              |
| 4 15/16    | 6 15/16 | 181            | 95  | 121            | 26   | 18             | M12 x 30 | 44,25             | 14 500         | 70 600             | 4 15/16        | 4 15/16            |
| 5          | 6 15/16 | 181            | 95  | 121            | 26   | 18             | M12 x 30 | 44,25             | 14 700         | 70 600             | 5              | 5                  |
| 5 1/2      | 7 5/16  | 191            | 100 | 126            | 26   | 20             | M12 x 30 | 44,25             | 18 000         | 78 400             | 5 1/2          | 5 1/2              |
| 6          | 8 5/16  | 218            | 105 | 131            | 26   | 12             | M16 x 30 | 103,25            | 21 000         | 83 900             | 6              | 6                  |



# Sprockets

|                                                                                     |                                                            |                                                                                    |                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------|
|    | Metric sprockets, simplex,<br>pilot bore. .... 196         |   | ANSI sprockets, double simplex,<br>pilot bore. .... 256  |
|    | Metric sprockets, simplex,<br>taper bushed .... 206        |   | ANSI sprockets, double simplex,<br>taper bushed .... 258 |
|    | Metric sprockets, double simplex,<br>pilot bore. .... 212  |   | ANSI sprockets, duplex,<br>pilot bore. .... 259          |
|    | Metric sprockets, double simplex,<br>taper bushed .... 214 |   | ANSI sprockets, duplex,<br>taper bushed .... 264         |
|   | Metric sprockets, duplex,<br>pilot bore. .... 216          |  | ANSI sprockets, triplex,<br>pilot bore. .... 266         |
|  | Metric sprockets, duplex,<br>taper bushed .... 221         |                                                                                    |                                                          |
|  | Metric sprockets, triplex,<br>pilot bore. .... 224         |                                                                                    |                                                          |
|  | Metric sprockets, triplex,<br>taper bushed .... 228        |                                                                                    |                                                          |
|  | ANSI sprockets, simplex,<br>pilot bore. .... 229           |                                                                                    |                                                          |
|  | ANSI sprockets, simplex,<br>taper bushed .... 252          |                                                                                    |                                                          |



# SKF Sprockets

SKF sprocket range nomenclature has a defined prefix of PHS. All sprockets are made to be applied to standardized chains. SKF sprockets conform to conventional basic chain part number format – ISO, BS, or DIN.

# Sprockets

The sprocket range designation from SKF has the following is an example to indicate set up.

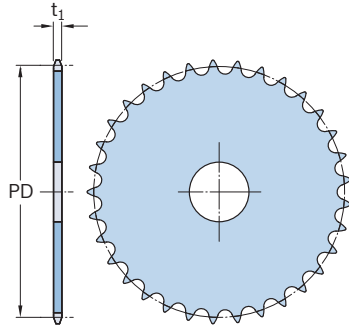
| SKF Designation prefix                                                                                                                                                                                                                                                                                                                                                                                                         | PHS | 80-1 | TBH | 22 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----|----|
| <b>Chain size and type</b> _____<br>Example:<br>80-1 – ANSI series chain, simplex type<br>16B-3 – ISO/BS series chain, triplex type                                                                                                                                                                                                                                                                                            |     |      |     |    |
| <b>Supplementary</b> _____<br>Many different supplementary designations, examples<br>A(H) – plate wheel with no boss (hardened)<br>B(H) – Sprocket with boss on one side only (hardened)<br>C(H) – bosses on both side (hardened)<br>SP – sprocket to customer specifications<br>SS – Sprocket made from stainless steel (SUS 304 by default)<br>TB - hub machined for standard taper bush<br>(H on hub side; F on plate side) |     |      |     |    |
| <b>Teeth</b> _____<br>The number of teeth on the sprocket                                                                                                                                                                                                                                                                                                                                                                      |     |      |     |    |

Non-standard and special design sprockets can be made on request, with special bore requirements (e.g. hexagonal, toleranced plain finish bore etc), or split-hub / segmented design, depending on the sprocket diameter  
 Specific hardness values are available , but may be subject to MOQ's.

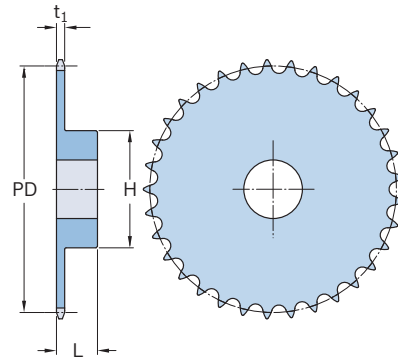
## Sprockets (PHS Product Group)

All SKF sprockets are manufactured according to ISO606 & ASME B29.100 standard. The sprockets are made from steel material C-45 and premium carbon steel no. 20 on hub material if welded. For some special sprockets gray cast iron HT250 or cast iron 250 material is used.  
 Sprockets 25T and below are hardened as standard (typically 35-40 HRC). This is only valid for sprocket teeth manufactured with steel material C-45. Surface treatment such as zinc plating can be offered upon request. 'A' plate wheels and chain pitches below 3/8" (9.525mm) are not hardened by default due to distortion.  
 Tolerances are machined according to DIN 8196. Default bore and key width tolerances are H7 and JS9 respectively.  
 All sprockets are completely deburred and protected with rust-proof oil or black oxide coated.

Metric sprockets, simplex, pilot bore  
ISO 05B-1 · 8 mm pitch



Type A



Type B

| Section | Number of teeth | Pitch diameter<br>PD | Type | Dimensions |      | Hub | Plate thickness<br>t <sub>1</sub> | Mass | Designation   |
|---------|-----------------|----------------------|------|------------|------|-----|-----------------------------------|------|---------------|
|         |                 |                      |      | Bore stock | Bore |     |                                   |      |               |
|         |                 |                      |      | Min.       | Max. | H   | L                                 |      |               |
| mm      | —               | mm                   | —    | mm         | —    | mm  | mm                                | kg   | —             |
| 8       | 8               | 20.90                | A    | 6          | —    | —   | —                                 | 0.01 | PHS 05B-1A8   |
|         |                 |                      | B    | —          | 6    | 6   | 13                                | 0.02 | PHS 05B-1BH8  |
| 9       | 9               | 23.39                | A    | 6          | —    | —   | —                                 | 0.01 | PHS 05B-1A9   |
|         |                 |                      | B    | —          | 6    | 6   | 15                                | 0.02 | PHS 05B-1BH9  |
| 10      | 10              | 25.89                | A    | 8          | —    | —   | —                                 | 0.01 | PHS 05B-1A10  |
|         |                 |                      | B    | —          | 8    | 8   | 17                                | 0.02 | PHS 05B-1BH10 |
| 11      | 11              | 28.39                | A    | 8          | —    | —   | —                                 | 0.01 | PHS 05B-1A11  |
|         |                 |                      | B    | —          | 8    | 8   | 18                                | 0.03 | PHS 05B-1BH11 |
| 12      | 12              | 30.91                | A    | 8          | —    | —   | —                                 | 0.01 | PHS 05B-1A12  |
|         |                 |                      | B    | —          | 8    | 8   | 20                                | 0.03 | PHS 05B-1BH12 |
| 13      | 13              | 33.42                | A    | 8          | —    | —   | —                                 | 0.01 | PHS 05B-1A13  |
|         |                 |                      | B    | —          | 8    | 8   | 23                                | 0.05 | PHS 05B-1BH13 |
| 14      | 14              | 35.95                | A    | 8          | —    | —   | —                                 | 0.02 | PHS 05B-1A14  |
|         |                 |                      | B    | —          | 8    | 10  | 25                                | 0.05 | PHS 05B-1BH14 |
| 15      | 15              | 38.48                | A    | 8          | —    | —   | —                                 | 0.02 | PHS 05B-1A15  |
|         |                 |                      | B    | —          | 8    | 12  | 28                                | 0.07 | PHS 05B-1BH15 |
| 16      | 16              | 41.01                | A    | 8          | —    | —   | —                                 | 0.02 | PHS 05B-1A16  |
|         |                 |                      | B    | —          | 8    | 14  | 30                                | 0.08 | PHS 05B-1BH16 |
| 17      | 17              | 43.53                | A    | 8          | —    | —   | —                                 | 0.03 | PHS 05B-1A17  |
|         |                 |                      | B    | —          | 8    | 14  | 30                                | 0.09 | PHS 05B-1BH17 |
| 18      | 18              | 46.07                | A    | 8          | —    | —   | —                                 | 0.03 | PHS 05B-1A18  |
|         |                 |                      | B    | —          | 8    | 14  | 30                                | 0.09 | PHS 05B-1BH18 |
| 19      | 19              | 48.61                | A    | 8          | —    | —   | —                                 | 0.03 | PHS 05B-1A19  |
|         |                 |                      | B    | —          | 8    | 14  | 30                                | 0.10 | PHS 05B-1BH19 |
| 20      | 20              | 51.14                | A    | 8          | —    | —   | —                                 | 0.04 | PHS 05B-1A20  |
|         |                 |                      | B    | —          | 8    | 14  | 30                                | 0.10 | PHS 05B-1BH20 |
| 21      | 21              | 53.67                | A    | 8          | —    | —   | —                                 | 0.04 | PHS 05B-1A21  |
|         |                 |                      | B    | —          | 8    | 19  | 35                                | 0.13 | PHS 05B-1BH21 |
| 22      | 22              | 56.21                | A    | 8          | —    | —   | —                                 | 0.05 | PHS 05B-1A22  |
|         |                 |                      | B    | —          | 8    | 19  | 35                                | 0.13 | PHS 05B-1BH22 |
| 23      | 23              | 58.75                | A    | 8          | —    | —   | —                                 | 0.05 | PHS 05B-1A23  |
|         |                 |                      | B    | —          | 8    | 19  | 35                                | 0.13 | PHS 05B-1BH23 |
| 24      | 24              | 61.29                | A    | 8          | —    | —   | —                                 | 0.06 | PHS 05B-1A24  |
|         |                 |                      | B    | —          | 8    | 19  | 35                                | 0.15 | PHS 05B-1BH24 |
| 25      | 25              | 63.83                | A    | 8          | —    | —   | —                                 | 0.06 | PHS 05B-1A25  |
|         |                 |                      | B    | —          | 8    | 19  | 35                                | 0.15 | PHS 05B-1BH25 |
| 26      | 26              | 66.37                | A    | 10         | —    | —   | —                                 | 0.07 | PHS 05B-1A26  |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.17 | PHS 05B-1B26  |
| 27      | 27              | 68.91                | A    | 10         | —    | —   | —                                 | 0.07 | PHS 05B-1A27  |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.19 | PHS 05B-1B27  |
| 28      | 28              | 71.45                | A    | 10         | —    | —   | —                                 | 0.08 | PHS 05B-1A28  |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.20 | PHS 05B-1B28  |
| 29      | 29              | 73.99                | A    | 10         | —    | —   | —                                 | 0.08 | PHS 05B-1A29  |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.21 | PHS 05B-1B29  |

| Section | Number of teeth | Pitch diameter<br>PD | Type | Dimensions |      | Hub | Plate thickness<br>t <sub>1</sub> | Mass | Designation  |
|---------|-----------------|----------------------|------|------------|------|-----|-----------------------------------|------|--------------|
|         |                 |                      |      | Bore stock | Bore |     |                                   |      |              |
|         |                 |                      |      | Min.       | Max. | H   | L                                 |      |              |
| mm      | —               | mm                   | —    | mm         | —    | mm  | mm                                | kg   | —            |
| 8       | 30              | 76.53                | A    | 10         | —    | —   | —                                 | 0.09 | PHS 05B-1A30 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.22 | PHS 05B-1B30 |
| 31      | 31              | 79.08                | A    | 10         | —    | —   | —                                 | 0.10 | PHS 05B-1A31 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.23 | PHS 05B-1B31 |
| 32      | 32              | 81.61                | A    | 10         | —    | —   | —                                 | 0.11 | PHS 05B-1A32 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.23 | PHS 05B-1B32 |
| 33      | 33              | 84.16                | A    | 10         | —    | —   | —                                 | 0.12 | PHS 05B-1A33 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.24 | PHS 05B-1B33 |
| 34      | 34              | 86.70                | A    | 10         | —    | —   | —                                 | 0.12 | PHS 05B-1A34 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.25 | PHS 05B-1B34 |
| 35      | 35              | 89.24                | A    | 10         | —    | —   | —                                 | 0.12 | PHS 05B-1A35 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.25 | PHS 05B-1B35 |
| 36      | 36              | 91.79                | A    | 10         | —    | —   | —                                 | 0.13 | PHS 05B-1A36 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.26 | PHS 05B-1B36 |
| 37      | 37              | 94.33                | A    | 10         | —    | —   | —                                 | 0.14 | PHS 05B-1A37 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.26 | PHS 05B-1B37 |
| 38      | 38              | 96.88                | A    | 10         | —    | —   | —                                 | 0.15 | PHS 05B-1A38 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.27 | PHS 05B-1B38 |
| 39      | 39              | 99.42                | A    | 10         | —    | —   | —                                 | 0.16 | PHS 05B-1A39 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.28 | PHS 05B-1B39 |
| 40      | 40              | 101.97               | A    | 10         | —    | —   | —                                 | 0.16 | PHS 05B-1A40 |
|         |                 |                      | B    | —          | 10   | 23  | 40                                | 0.28 | PHS 05B-1B40 |
| 41      | 41              | 104.51               | A    | 12         | —    | —   | —                                 | 0.17 | PHS 05B-1A41 |
|         |                 |                      | B    | —          | 10   | 23  | 60                                | 0.29 | PHS 05B-1B41 |
| 42      | 42              | 107.05               | A    | 12         | —    | —   | —                                 | 0.18 | PHS 05B-1A42 |
|         |                 |                      | B    | —          | 10   | 23  | 60                                | 0.30 | PHS 05B-1B42 |
| 43      | 43              | 109.60               | A    | 12         | —    | —   | —                                 | 0.19 | PHS 05B-1A43 |
|         |                 |                      | B    | —          | 10   | 23  | 60                                | 0.30 | PHS 05B-1B43 |
| 44      | 44              | 112.14               | A    | 12         | —    | —   | —                                 | 0.20 | PHS 05B-1A44 |
|         |                 |                      | B    | —          | 10   | 23  | 60                                | 0.31 | PHS 05B-1B44 |
| 45      | 45              | 114.69               | A    | 12         | —    | —   | —                                 | 0.21 | PHS 05B-1A45 |
|         |                 |                      | B    | —          | 12   | 40  | 60                                | 0.31 | PHS 05B-1B45 |
| 46      | 46              | 117.23               | A    | 12         | —    | —   | —                                 | 0.21 | PHS 05B-1A46 |
|         |                 |                      | B    | —          | 12   | 40  | 60                                | 0.32 | PHS 05B-1B46 |
| 47      | 47              | 119.77               | A    | 12         | —    | —   | —                                 | 0.32 | PHS 05B-1A47 |
|         |                 |                      | B    | —          | 12   | 40  | 60                                | 0.33 | PHS 05B-1B47 |
| 48      | 48              | 122.32               | A    | 12         | —    | —   | —                                 | 0.34 | PHS 05B-1A48 |
|         |                 |                      | B    | —          | 12   | 40  | 60                                | 0.33 | PHS 05B-1B48 |
| 54      | 54              | 137.59               | A    | 14         | —    | —   | —                                 | 0.67 | PHS 05B-1A54 |
|         |                 |                      | B    | —          | 12   | 40  | 80                                | 0.37 | PHS 05B-1B54 |
| 57      | 57              | 145.22               | A    | 14         | —    | —   | —                                 | 1.47 | PHS 05B-1A57 |
|         |                 |                      | B    | —          | 14   | 55  | 80                                | 0.39 | PHS 05B-1B57 |
| 60      | 60              | 152.85               | A    | 14         | —    | —   | —                                 | 1.53 | PHS 05B-1A60 |
|         |                 |                      | B    | —          | 14   | 55  | 80                                | 0.41 | PHS 05B-1B60 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1AH8.

**Metric sprockets, simplex, pilot bore**  
ISO 05B-1 · 8 mm pitch | ISO 06B-1 · 9.525 mm pitch

| Section | Number of teeth | Pitch diameter<br>PD | Type | Bore       |      | Hub  |     | Plate thickness<br>t <sub>1</sub> | Mass<br>kg | Designation   |  |  |  |
|---------|-----------------|----------------------|------|------------|------|------|-----|-----------------------------------|------------|---------------|--|--|--|
|         |                 |                      |      | Bore stock | Min. | Max. | H   |                                   |            |               |  |  |  |
|         |                 |                      |      |            |      |      |     |                                   |            |               |  |  |  |
| mm      | –               | mm                   | –    | mm         |      |      |     |                                   |            | –             |  |  |  |
| 8       | 64              | 163.04               | A    | 16         | –    | –    | –   | –                                 | 1.62       | PHS 05B-1A64  |  |  |  |
|         |                 |                      | B    | –          | 14   | 55   | 80  | 34                                | 0.43       | PHS 05B-1B64  |  |  |  |
|         | 70              | 178.31               | A    | 16         | –    | –    | –   | –                                 | 1.74       | PHS 05B-1A70  |  |  |  |
|         |                 |                      | B    | –          | 14   | 55   | 80  | 34                                | 0.47       | PHS 05B-1B70  |  |  |  |
|         | 72              | 183.41               | A    | 20         | –    | –    | –   | –                                 | 1.79       | PHS 05B-1A72  |  |  |  |
|         |                 |                      | B    | –          | 14   | 55   | 80  | 34                                | 0.48       | PHS 05B-1B72  |  |  |  |
|         | 76              | 193.59               | A    | 20         | –    | –    | –   | –                                 | 1.87       | PHS 05B-1A76  |  |  |  |
|         |                 |                      | B    | –          | 20   | 55   | 80  | 34                                | 0.51       | PHS 05B-1B76  |  |  |  |
|         | 80              | 203.77               | A    | 20         | –    | –    | –   | –                                 | 1.95       | PHS 05B-1A80  |  |  |  |
|         |                 |                      | B    | –          | 20   | 55   | 80  | 34                                | 0.53       | PHS 05B-1B80  |  |  |  |
|         | 84              | 213.95               | A    | 20         | –    | –    | –   | –                                 | 2.04       | PHS 05B-1A84  |  |  |  |
| 9.525   |                 |                      | B    | –          | 20   | 55   | 80  | 34                                | 0.56       | PHS 05B-1B84  |  |  |  |
|         | 90              | 229.23               | A    | 20         | –    | –    | –   | –                                 | 2.16       | PHS 05B-1A90  |  |  |  |
|         |                 |                      | B    | –          | 20   | 55   | 80  | 34                                | 0.60       | PHS 05B-1B90  |  |  |  |
|         | 95              | 241.96               | A    | 20         | –    | –    | –   | –                                 | 2.27       | PHS 05B-1A95  |  |  |  |
|         |                 |                      | B    | –          | 20   | 55   | 80  | 34                                | 0.63       | PHS 05B-1B95  |  |  |  |
|         | 96              | 244.50               | A    | 20         | –    | –    | –   | –                                 | 2.29       | PHS 05B-1A96  |  |  |  |
|         |                 |                      | B    | –          | 20   | 55   | 80  | 34                                | 0.63       | PHS 05B-1B96  |  |  |  |
|         | 114             | 290.33               | A    | 20         | –    | –    | –   | –                                 | 2.67       | PHS 05B-1A114 |  |  |  |
|         |                 |                      | B    | –          | 20   | 55   | 88  | 39                                | 0.75       | PHS 05B-1B114 |  |  |  |
|         | 8               | 24.89                | A    | 6          | –    | –    | –   | –                                 | 0.02       | PHS 06B-1A8   |  |  |  |
|         |                 |                      | B    | –          | 6    | 6    | 15+ | 20                                | 0.03       | PHS 06B-1B8   |  |  |  |
|         | 9               | 27.85                | A    | 8          | –    | –    | –   | –                                 | 0.02       | PHS 06B-1A9   |  |  |  |
|         |                 |                      | B    | –          | 8    | 8    | 18+ | 20                                | 0.04       | PHS 06B-1B9   |  |  |  |
|         | 10              | 30.82                | A    | 8          | –    | –    | –   | –                                 | 0.02       | PHS 06B-1A10  |  |  |  |
|         |                 |                      | B    | –          | 8    | 8    | 20  | 20                                | 0.06       | PHS 06B-1B10  |  |  |  |
|         | 11              | 33.80                | A    | 8          | –    | –    | –   | –                                 | 0.03       | PHS 06B-1A11  |  |  |  |
|         |                 |                      | B    | –          | 8    | 8    | 22  | 25                                | 0.08       | PHS 06B-1B11  |  |  |  |
|         | 12              | 36.80                | A    | 8          | –    | –    | –   | –                                 | 0.04       | PHS 06B-1A12  |  |  |  |
|         |                 |                      | B    | –          | 8    | 10   | 25  | 25                                | 0.10       | PHS 06B-1B12  |  |  |  |
|         | 13              | 39.79                | A    | 8          | –    | –    | –   | –                                 | 0.05       | PHS 06B-1A13  |  |  |  |
|         |                 |                      | B    | –          | 10   | 12   | 28  | 25                                | 0.12       | PHS 06B-1B13  |  |  |  |
|         | 14              | 42.80                | A    | 8          | –    | –    | –   | –                                 | 0.05       | PHS 06B-1A14  |  |  |  |
|         |                 |                      | B    | –          | 10   | 15   | 31  | 25                                | 0.15       | PHS 06B-1B14  |  |  |  |
|         | 15              | 45.81                | A    | 8          | –    | –    | –   | –                                 | 0.06       | PHS 06B-1A15  |  |  |  |
|         |                 |                      | B    | –          | 10   | 18   | 34  | 25                                | 0.19       | PHS 06B-1B15  |  |  |  |
|         | 16              | 48.82                | A    | 10         | –    | –    | –   | –                                 | 0.07       | PHS 06B-1A16  |  |  |  |
|         |                 |                      | B    | –          | 10   | 20   | 37  | 28                                | 0.24       | PHS 06B-1B16  |  |  |  |
|         | 17              | 51.83                | A    | 10         | –    | –    | –   | –                                 | 0.07       | PHS 06B-1A17  |  |  |  |
|         |                 |                      | B    | –          | 10   | 23   | 40  | 28                                | 0.29       | PHS 06B-1B17  |  |  |  |
|         | 18              | 54.85                | A    | 10         | –    | –    | –   | –                                 | 0.08       | PHS 06B-1A18  |  |  |  |
|         |                 |                      | B    | –          | 10   | 26   | 43  | 28                                | 0.33       | PHS 06B-1B18  |  |  |  |
|         | 19              | 57.87                | A    | 10         | –    | –    | –   | –                                 | 0.09       | PHS 06B-1A19  |  |  |  |
|         |                 |                      | B    | –          | 10   | 28   | 45  | 28                                | 0.37       | PHS 06B-1B19  |  |  |  |
|         | 20              | 60.89                | A    | 10         | –    | –    | –   | –                                 | 0.10       | PHS 06B-1A20  |  |  |  |
|         |                 |                      | B    | –          | 10   | 28   | 46  | 28                                | 0.39       | PHS 06B-1B20  |  |  |  |
|         | 21              | 63.91                | A    | 10         | –    | –    | –   | –                                 | 0.11       | PHS 06B-1A21  |  |  |  |
|         |                 |                      | B    | –          | 12   | 30   | 48  | 28                                | 0.42       | PHS 06B-1B21  |  |  |  |
|         | 22              | 66.93                | A    | 10         | –    | –    | –   | –                                 | 0.13       | PHS 06B-1A22  |  |  |  |
|         |                 |                      | B    | –          | 12   | 35   | 50  | 28                                | 0.46       | PHS 06B-1B22  |  |  |  |
|         | 23              | 69.95                | A    | 10         | –    | –    | –   | –                                 | 0.14       | PHS 06B-1A23  |  |  |  |
|         |                 |                      | B    | –          | 12   | 35   | 52  | 28                                | 0.50       | PHS 06B-1B23  |  |  |  |
|         | 24              | 72.97                | A    | 10         | –    | –    | –   | –                                 | 0.15       | PHS 06B-1A24  |  |  |  |
|         |                 |                      | B    | –          | 12   | 35   | 54  | 28                                | 0.54       | PHS 06B-1B24  |  |  |  |
|         | 25              | 76.00                | A    | 10         | –    | –    | –   | –                                 | 0.17       | PHS 06B-1A25  |  |  |  |
|         |                 |                      | B    | –          | 12   | 40   | 57  | 28                                | 0.60       | PHS 06B-1B25  |  |  |  |
|         | 26              | 79.02                | A    | 10         | –    | –    | –   | –                                 | 0.18       | PHS 06B-1A26  |  |  |  |
|         |                 |                      | B    | –          | 12   | 40   | 60  | 28                                | 0.67       | PHS 06B-1B26  |  |  |  |
|         | 27              | 82.05                | A    | 10         | –    | –    | –   | –                                 | 0.19       | PHS 06B-1A27  |  |  |  |
|         |                 |                      | B    | –          | 12   | 40   | 60  | 28                                | 0.68       | PHS 06B-1B27  |  |  |  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1AH8.







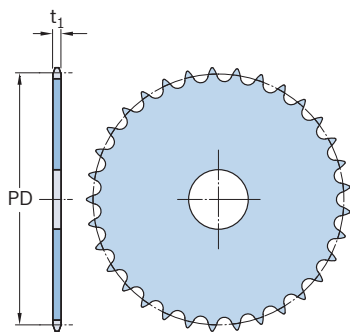




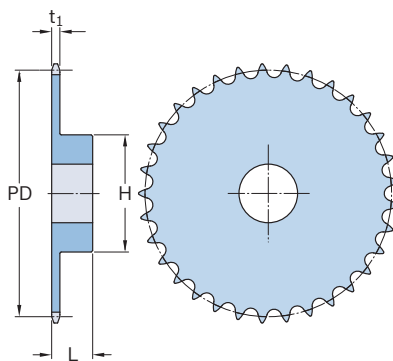


# Metric sprockets, simplex, pilot bore

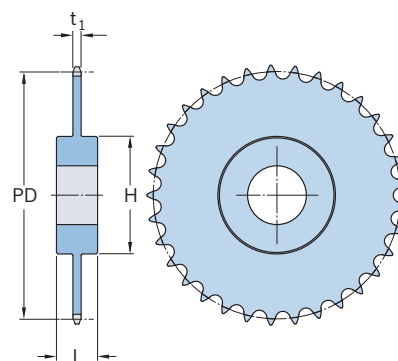
ISO 24B-1 · 38.10 mm pitch | ISO 28B-1 · 44.45 mm pitch



Type A



Type B



Type C

| Section | Number of teeth | Pitch diameter | Type | Dimensions |      | Hub | Plate thickness | Mass  | Designation   |
|---------|-----------------|----------------|------|------------|------|-----|-----------------|-------|---------------|
|         |                 |                |      | Bore stock | Bore |     |                 |       |               |
|         |                 |                |      | Min.       | Max. | H   | L               |       |               |
| mm      | —               | mm             | —    | mm         | —    | mm  | mm              | kg    | —             |
| 38.10   | 16              | 195.29         | A    | 25         | —    | —   | —               | 4.86  | PHS 24B-1A16  |
|         |                 |                | B    | —          | 25   | 92  | 136 55          | 9.08  | PHS 24B-1BH16 |
|         | 17              | 207.35         | A    | 25         | —    | —   | —               | 5.44  | PHS 24B-1A17  |
|         |                 |                | B    | —          | 25   | 92  | 136 55          | 9.76  | PHS 24B-1BH17 |
|         | 18              | 219.41         | A    | 25         | —    | —   | —               | 6.13  | PHS 24B-1A18  |
|         |                 |                | B    | —          | 25   | 92  | 136 55          | 10.49 | PHS 24B-1BH18 |
|         | 19              | 231.48         | A    | 25         | —    | —   | —               | 7.03  | PHS 24B-1A19  |
|         |                 |                | B    | —          | 25   | 92  | 136 55          | 11.21 | PHS 24B-1BH19 |
|         | 20              | 243.55         | A    | 25         | —    | —   | —               | 7.94  | PHS 24B-1A20  |
|         |                 |                | B    | —          | 25   | 92  | 136 55          | 12.26 | PHS 24B-1BH20 |
|         | 21              | 255.63         | A    | 25         | —    | —   | —               | 8.62  | PHS 24B-1A21  |
|         |                 |                | B    | —          | 25   | 92  | 150 60          | 13.38 | PHS 24B-1BH21 |
|         | 22              | 267.72         | A    | 25         | —    | —   | —               | 9.76  | PHS 24B-1A22  |
|         |                 |                | B    | —          | 25   | 92  | 150 60          | 13.67 | PHS 24B-1BH22 |
|         | 23              | 179.80         | A    | 25         | —    | —   | —               | 10.43 | PHS 24B-1A23  |
|         |                 |                | B    | —          | 25   | 92  | 150 60          | 14.74 | PHS 24B-1BH23 |
|         | 24              | 291.90         | A    | 25         | —    | —   | —               | 11.35 | PHS 24B-1A24  |
|         |                 |                | B    | —          | 25   | 92  | 150 60          | 15.48 | PHS 24B-1BH24 |
|         | 25              | 303.99         | A    | 25         | —    | —   | —               | 12.47 | PHS 24B-1A25  |
|         |                 |                | B    | —          | 25   | 92  | 150 60          | 16.38 | PHS 24B-1BH25 |
|         | 26              | 316.09         | A    | 30         | —    | —   | —               | 13.39 | PHS 24B-1A26  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 19.43 | PHS 24B-1B26  |
|         | 27              | 328.19         | A    | 30         | —    | —   | —               | 14.53 | PHS 24B-1A27  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 20.39 | PHS 24B-1B27  |
|         | 28              | 340.29         | A    | 30         | —    | —   | —               | 15.89 | PHS 24B-1A28  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 21.34 | PHS 24B-1B28  |
|         | 29              | 352.39         | A    | 30         | —    | —   | —               | 17.02 | PHS 24B-1A29  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 22.79 | PHS 24B-1B29  |
|         | 30              | 364.49         | A    | 30         | —    | —   | —               | 18.39 | PHS 24B-1A30  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 24.25 | PHS 24B-1B30  |
|         | 31              | 376.60         | A    | 30         | —    | —   | —               | 20.02 | PHS 24B-1A31  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 26.19 | PHS 24B-1B31  |
|         | 32              | 388.71         | A    | 30         | —    | —   | —               | 21.66 | PHS 24B-1A32  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 28.12 | PHS 24B-1B32  |
|         | 33              | 400.82         | A    | 30         | —    | —   | —               | 23.29 | PHS 24B-1A33  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 30.05 | PHS 24B-1B33  |
|         | 34              | 412.93         | A    | 30         | —    | —   | —               | 24.93 | PHS 24B-1A34  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 31.99 | PHS 24B-1B34  |
|         | 35              | 425.04         | A    | 30         | —    | —   | —               | 26.56 | PHS 24B-1A35  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 33.93 | PHS 24B-1B35  |
|         | 36              | 437.15         | A    | 30         | —    | —   | —               | 28.19 | PHS 24B-1A36  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 35.86 | PHS 24B-1B36  |
|         | 38              | 461.37         | A    | 30         | —    | —   | —               | 31.46 | PHS 24B-1A38  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 39.73 | PHS 24B-1B38  |

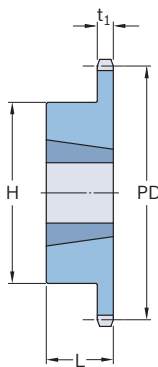
| Section | Number of teeth | Pitch diameter | Type | Dimensions |      | Hub | Plate thickness | Mass   | Designation   |
|---------|-----------------|----------------|------|------------|------|-----|-----------------|--------|---------------|
|         |                 |                |      | Bore stock | Bore |     |                 |        |               |
|         |                 |                |      | Min.       | Max. | H   | L               |        |               |
| mm      | —               | mm             | —    | mm         | —    | mm  | mm              | kg     | —             |
| 38.10   | 40              | 485.60         | A    | 30         | —    | —   | —               | 36.23  | PHS 24B-1A40  |
|         |                 |                | B    | —          | 30   | 102 | 150 65          | 42.52  | PHS 24B-1B40  |
|         | 42              | 509.83         | A    | 30         | —    | —   | —               | 40.99  | PHS 24B-1A42  |
|         |                 |                | C    | —          | 30   | 102 | 160 90          | 45.31  | PHS 24B-1C42  |
|         | 45              | 546.19         | A    | 30         | —    | —   | —               | 48.14  | PHS 24B-1A45  |
|         |                 |                | C    | —          | 30   | 102 | 160 90          | 50.71  | PHS 24B-1C45  |
|         | 48              | 482.54         | A    | 30         | —    | —   | —               | 55.29  | PHS 24B-1A48  |
|         |                 |                | C    | —          | 30   | 102 | 160 90          | 57.43  | PHS 24B-1C48  |
|         | 50              | 606.78         | A    | 30         | —    | —   | —               | 60.05  | PHS 24B-1A50  |
|         |                 |                | C    | —          | 30   | 102 | 160 90          | 61.57  | PHS 24B-1C50  |
|         | 54              | 655.26         | A    | 30         | —    | —   | —               | 69.58  | PHS 24B-1A54  |
|         |                 |                | C    | —          | 30   | 102 | 160 100         | 69.84  | PHS 24B-1C54  |
|         | 57              | 691.62         | A    | 30         | —    | —   | —               | 76.73  | PHS 24B-1A57  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 76.05  | PHS 24B-1C57  |
|         | 60              | 727.99         | A    | 30         | —    | —   | —               | 85.19  | PHS 24B-1A60  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 80.05  | PHS 24B-1C60  |
|         | 68              | 824.97         | A    | 40         | —    | —   | —               | 107.74 | PHS 24B-1A68  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 93.39  | PHS 24B-1C68  |
|         | 72              | 873.43         | A    | 40         | —    | —   | —               | 119.02 | PHS 24B-1A72  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 111.51 | PHS 24B-1C72  |
|         | 76              | 921.96         | A    | 40         | —    | —   | —               | 130.30 | PHS 24B-1A76  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 129.62 | PHS 24B-1C76  |
|         | 95              | 921.96         | A    | 40         | —    | —   | —               | 183.88 | PHS 24B-1A95  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 215.67 | PHS 24B-1C95  |
|         | 96              | 921.96         | A    | 40         | —    | —   | —               | 186.70 | PHS 24B-1A96  |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 220.20 | PHS 24B-1C96  |
|         | 114             | 921.96         | A    | 40         | —    | —   | —               | 237.46 | PHS 24B-1A114 |
|         |                 |                | C    | —          | 30   | 133 | 160 100         | 301.71 | PHS 24B-1C114 |
| 44.45   | 11              | 157.77         | A    | 20         | —    | —   | —               | 3.18   | PHS 28B-1A11  |
|         |                 |                | B    | —          | 25   | 73  | 112 70          | 5.27   | PHS 28B-1BH11 |
|         | 12              | 171.74         | A    | 20         | —    | —   | —               | 3.95   | PHS 28B-1A12  |
|         |                 |                | B    | —          | 25   | 84  | 125 70          | 6.40   | PHS 28B-1BH12 |
|         | 13              | 185.74         | A    | 20         | —    | —   | —               | 4.31   | PHS 28B-1A13  |
|         |                 |                | B    | —          | 25   | 93  | 125 70          | 8.22   | PHS 28B-1BH13 |
|         | 14              | 199.76         | A    | 20         | —    | —   | —               | 4.77   | PHS 28B-1A14  |
|         |                 |                | B    | —          | 25   | 93  | 125 70          | 9.13   | PHS 28B-1BH14 |
|         | 15              | 213.79         | A    | 20         | —    | —   | —               | 5.45   | PHS 28B-1A15  |
|         |                 |                | B    | —          | 25   | 108 | 125 70          | 11.40  | PHS 28B-1BH15 |
|         | 16              | 227.84         | A    | 30         | —    | —   | —               | 6.81   | PHS 28B-1A16  |
|         |                 |                | B    | —          | 30   | 108 | 160 75          | 12.76  | PHS 28B-1BH16 |
|         | 17              | 241.91         | A    | 30         | —    | —   | —               | 7.71   | PHS 28B-1A17  |
|         |                 |                | B    | —          | 30   | 108 | 160 75          | 13.65  | PHS 28B-1BH17 |
|         | 18              | 255.98         | A    | 30         | —    | —   | —               | 8.63   | PHS 28B-1A18  |
|         |                 |                | B    | —          | 30   | 108 | 160 75          | 13.65  | PHS 28B-1BH18 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1AH8.



# Metric sprockets, simplex, taper bushed

ISO 06B-1 · 9.525 mm pitch | ISO 08B-1 · 12.70 mm pitch



Note: "H" mounted bushing illustrated

Type B

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |      | L    | H                  | Plate thickness t <sub>1</sub> | Rim  | Mass    |  | Designation    |
|-------|-----------------|-------------------|------|----------------|-----------------|------|------|--------------------|--------------------------------|------|---------|--|----------------|
|       |                 |                   |      |                | Min.            | Max. |      |                    |                                |      | Bushing |  |                |
| mm    | –               | mm                | –    | –              | mm              |      |      |                    |                                |      | kg      |  | –              |
| 9.525 | 16              | 48.82             | B    | 1008           | 9               | 25.4 | 22.0 | 42.0 <sup>1)</sup> | 5.31                           | 0.12 | 0.09    |  | PHS 06B-1TBH16 |
|       | 17              | 51.83             | B    | 1008           | 9               | 25.4 | 22.0 | 45.0               | 5.31                           | 0.13 | 0.09    |  | PHS 06B-1TBH17 |
|       | 18              | 54.85             | B    | 1008           | 9               | 25.4 | 22.0 | 45.0               | 5.31                           | 0.14 | 0.09    |  | PHS 06B-1TBH18 |
|       | 19              | 57.87             | B    | 1008           | 9               | 25.4 | 22.0 | 45.0               | 5.31                           | 0.16 | 0.09    |  | PHS 06B-1TBH19 |
|       | 20              | 60.89             | B    | 1008           | 9               | 25.4 | 22.0 | 46.0               | 5.31                           | 0.18 | 0.09    |  | PHS 06B-1TBH20 |
|       | 21              | 63.91             | B    | 1008           | 9               | 25.4 | 22.0 | 46.0               | 5.31                           | 0.20 | 0.09    |  | PHS 06B-1TBH21 |
|       | 22              | 66.93             | B    | 1108           | 9               | 28.0 | 22.0 | 52.0               | 5.31                           | 0.24 | 0.12    |  | PHS 06B-1TBH22 |
|       | 23              | 69.95             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0 <sup>1)</sup> | 5.31                           | 0.30 | 0.21    |  | PHS 06B-1TBH23 |
|       | 24              | 72.97             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.32 | 0.21    |  | PHS 06B-1TBH24 |
|       | 25              | 76.00             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.35 | 0.21    |  | PHS 06B-1TBH25 |
|       | 26              | 79.02             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.35 | 0.21    |  | PHS 06B-1TB26  |
|       | 27              | 82.05             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.38 | 0.21    |  | PHS 06B-1TB27  |
|       | 28              | 85.07             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.38 | 0.21    |  | PHS 06B-1TB28  |
|       | 29              | 88.09             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.40 | 0.21    |  | PHS 06B-1TB29  |
|       | 30              | 91.12             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.41 | 0.21    |  | PHS 06B-1TB30  |
|       | 32              | 97.18             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.58 | 0.21    |  | PHS 06B-1TB32  |
|       | 35              | 106.26            | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.76 | 0.21    |  | PHS 06B-1TB35  |
|       | 36              | 109.29            | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 5.31                           | 0.82 | 0.21    |  | PHS 06B-1TB36  |
|       | 38              | 115.35            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 0.94 | 0.21    |  | PHS 06B-1TB38  |
|       | 40              | 121.40            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 1.06 | 0.21    |  | PHS 06B-1TB40  |
|       | 45              | 136.55            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 1.36 | 0.21    |  | PHS 06B-1TB45  |
|       | 48              | 145.65            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 1.54 | 0.21    |  | PHS 06B-1TB48  |
|       | 54              | 163.82            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 1.90 | 0.21    |  | PHS 06B-1TB54  |
|       | 57              | 172.90            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 1.60 | 0.21    |  | PHS 06B-1TB57  |
|       | 60              | 182.00            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 2.26 | 0.21    |  | PHS 06B-1TB60  |
|       | 70              | 212.30            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 2.86 | 0.21    |  | PHS 06B-1TB70  |
|       | 76              | 230.49            | B    | 1210           | 11              | 31.8 | 25.0 | 70.0               | 5.31                           | 2.43 | 0.21    |  | PHS 06B-1TB76  |
|       | 95              | 288.08            | B    | 1210           | 11              | 31.8 | 25.0 | 110.0              | 5.31                           | 2.72 | 0.21    |  | PHS 06B-1TB95  |
|       | 114             | 345.68            | B    | 1215           | 11              | 31.8 | 25.0 | 110.0              | 5.31                           | 5.50 | 0.31    |  | PHS 06B-1TB114 |
| 12.70 | 14              | 57.07             | B    | 1008           | 9               | 25.4 | 22.0 | 46.0 <sup>1)</sup> | 7.2                            | 0.12 | 0.14    |  | PHS 08B-1TBH14 |
|       | 15              | 61.09             | B    | 1008           | 9               | 25.4 | 22.0 | 45.0               | 7.2                            | 0.18 | 0.14    |  | PHS 08B-1TBH15 |
|       | 16              | 65.10             | B    | 1108           | 9               | 28.0 | 22.0 | 52.0               | 7.2                            | 0.24 | 0.16    |  | PHS 08B-1TBH16 |
|       | 17              | 69.11             | B    | 1210           | 11              | 31.8 | 25.0 | 60.0 <sup>1)</sup> | 7.2                            | 0.24 | 0.27    |  | PHS 08B-1TBH17 |
|       | 18              | 73.14             | B    | 1210           | 11              | 31.8 | 25.0 | 60.0 <sup>1)</sup> | 7.2                            | 0.30 | 0.27    |  | PHS 08B-1TBH18 |
|       | 19              | 77.16             | B    | 1210           | 11              | 31.8 | 25.0 | 63.0               | 7.2                            | 0.33 | 0.27    |  | PHS 08B-1TBH19 |
|       | 20              | 81.19             | B    | 1610           | 11              | 31.8 | 25.0 | 71.0               | 7.2                            | 0.32 | 0.41    |  | PHS 08B-1TBH20 |
|       | 21              | 85.22             | B    | 1610           | 14              | 41.3 | 25.0 | 71.0               | 7.2                            | 0.37 | 0.41    |  | PHS 08B-1TBH21 |
|       | 22              | 89.24             | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 7.2                            | 0.50 | 0.41    |  | PHS 08B-1TBH22 |
|       | 23              | 93.27             | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 7.2                            | 0.53 | 0.41    |  | PHS 08B-1TBH23 |
|       | 24              | 97.29             | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 7.2                            | 0.54 | 0.41    |  | PHS 08B-1TBH24 |
|       | 25              | 101.33            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 7.2                            | 0.59 | 0.41    |  | PHS 08B-1TBH25 |
|       | 26              | 105.36            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 7.2                            | 0.61 | 0.41    |  | PHS 08B-1TB26  |
|       | 27              | 109.40            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 7.2                            | 0.94 | 0.41    |  | PHS 08B-1TB27  |
|       | 28              | 113.42            | B    | 2012           | 14              | 50.8 | 25.0 | 90.0               | 7.2                            | 0.86 | 0.77    |  | PHS 08B-1TB28  |
|       | 29              | 117.46            | B    | 2012           | 14              | 50.8 | 25.0 | 90.0               | 7.2                            | 0.90 | 0.77    |  | PHS 08B-1TB29  |
|       | 30              | 121.50            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 7.2                            | 0.94 | 0.59    |  | PHS 08B-1TB30  |
|       | 32              | 129.57            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 7.2                            | 1.12 | 0.59    |  | PHS 08B-1TB32  |
|       | 35              | 141.68            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 7.2                            | 1.30 | 0.59    |  | PHS 08B-1TB35  |
|       | 36              | 145.72            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 7.2                            | 1.48 | 0.59    |  | PHS 08B-1TB36  |
|       | 38              | 153.80            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 7.2                            | 1.67 | 0.59    |  | PHS 08B-1TB38  |
|       | 40              | 161.87            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 7.2                            | 1.80 | 0.59    |  | PHS 08B-1TB40  |
|       | 42              | 169.94            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 1.93 | 0.59    |  | PHS 08B-1TB42  |
|       | 45              | 182.07            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 2.06 | 0.59    |  | PHS 08B-1TB45  |
|       | 48              | 194.18            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 2.36 | 0.59    |  | PHS 08B-1TB48  |

<sup>1)</sup> Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

# Metric sprockets, simplex, taper bushed

SO 08B-1 · 12.70 mm pitch | ISO 10B-1 · 15.88 mm pitch | ISO 12B-1 · 19.05 mm pitch

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |      | L    | H                  | Plate thickness t <sub>1</sub> | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|-----------------|------|------|--------------------|--------------------------------|----------|---------|----------------|
|       |                 |                   |      |                | Min.            | Max. |      |                    |                                |          |         |                |
| mm    | –               | mm                | –    | –              | mm              |      |      |                    |                                | kg       |         | –              |
| 12.70 | 54              | 218.42            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 2.66     | 0.59    | PHS 08B-1TB54  |
|       | 57              | 230.53            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 3.07     | 0.59    | PHS 08B-1TB57  |
|       | 60              | 242.66            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 3.23     | 0.59    | PHS 08B-1TB60  |
|       | 70              | 283.07            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 3.39     | 0.59    | PHS 08B-1TB70  |
|       | 72              | 291.15            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 3.55     | 0.59    | PHS 08B-1TB72  |
|       | 76              | 307.31            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 3.71     | 0.59    | PHS 08B-1TB76  |
|       | 80              | 323.49            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 4.55     | 0.59    | PHS 08B-1TB80  |
|       | 84              | 339.65            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 5.39     | 0.59    | PHS 08B-1TB84  |
|       | 95              | 384.10            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 6.23     | 0.59    | PHS 08B-1TB95  |
|       | 96              | 388.15            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 7.2                            | 7.00     | 0.59    | PHS 08B-1TB96  |
|       | 114             | 460.90            | B    | 2517           | 16              | 63.5 | 45.0 | 110.0              | 7.2                            | 8.10     | 1.30    | PHS 08B-1TB114 |
| 15.88 | 12              | 61.34             | B    | 1008           | 9               | 25.4 | 22.0 | 49.2 <sup>1)</sup> | 9.1                            | 0.21     | 0.09    | PHS 10B-1TBH12 |
|       | 13              | 66.32             | B    | 1008           | 9               | 25.4 | 22.0 | 47.0               | 9.1                            | 0.25     | 0.09    | PHS 10B-1TBH13 |
|       | 14              | 71.34             | B    | 1108           | 9               | 25.4 | 22.0 | 52.0               | 9.1                            | 0.27     | 0.12    | PHS 10B-1TBH14 |
|       | 15              | 76.36             | B    | 1210           | 11              | 31.8 | 25.0 | 60.0               | 9.1                            | 0.33     | 0.21    | PHS 10B-1TBH15 |
|       | 16              | 81.37             | B    | 1610           | 14              | 41.3 | 25.0 | 70.6 <sup>1)</sup> | 9.1                            | 0.32     | 0.31    | PHS 10B-1TBH16 |
|       | 17              | 86.39             | B    | 1610           | 14              | 41.3 | 25.0 | 71.0 <sup>1)</sup> | 9.1                            | 0.40     | 0.31    | PHS 10B-1TBH17 |
|       | 18              | 91.42             | B    | 1610           | 14              | 41.3 | 25.0 | 75.0               | 9.1                            | 0.50     | 0.31    | PHS 10B-1TBH18 |
|       | 19              | 96.45             | B    | 1610           | 14              | 41.3 | 25.0 | 75.0               | 9.1                            | 0.56     | 0.31    | PHS 10B-1TBH19 |
|       | 20              | 101.49            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 9.1                            | 0.64     | 0.31    | PHS 10B-1TBH20 |
|       | 21              | 106.52            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 9.1                            | 0.69     | 0.31    | PHS 10B-1TBH21 |
|       | 22              | 111.55            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 9.1                            | 0.75     | 0.31    | PHS 10B-1TBH22 |
|       | 23              | 116.58            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 9.1                            | 0.81     | 0.31    | PHS 10B-1TBH23 |
|       | 24              | 121.62            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.00     | 0.59    | PHS 10B-1TBH24 |
|       | 25              | 126.66            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.06     | 0.59    | PHS 10B-1TBH25 |
|       | 26              | 131.70            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.14     | 0.59    | PHS 10B-1TB26  |
|       | 27              | 136.75            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.19     | 0.59    | PHS 10B-1TB27  |
|       | 28              | 141.78            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.28     | 0.59    | PHS 10B-1TB28  |
|       | 29              | 146.83            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.37     | 0.59    | PHS 10B-1TB29  |
|       | 30              | 151.87            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 9.1                            | 1.65     | 0.59    | PHS 10B-1TB30  |
|       | 32              | 161.96            | B    | 2012           | 14              | 50.8 | 32.0 | 98.0               | 9.1                            | 2.21     | 0.59    | PHS 10B-1TB32  |
|       | 35              | 177.10            | B    | 2012           | 14              | 50.8 | 32.0 | 98.0               | 9.1                            | 3.05     | 0.59    | PHS 10B-1TB35  |
|       | 36              | 182.15            | B    | 2012           | 14              | 50.8 | 32.0 | 98.0               | 9.1                            | 3.33     | 0.59    | PHS 10B-1TB36  |
|       | 38              | 192.24            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 3.89     | 0.59    | PHS 10B-1TB38  |
|       | 40              | 202.33            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 4.45     | 0.59    | PHS 10B-1TB40  |
|       | 42              | 212.43            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 5.01     | 0.59    | PHS 10B-1TB42  |
|       | 45              | 227.58            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 3.97     | 0.59    | PHS 10B-1TB45  |
|       | 48              | 242.73            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 6.69     | 0.59    | PHS 10B-1TB48  |
|       | 54              | 273.03            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 8.37     | 0.59    | PHS 10B-1TB54  |
|       | 57              | 288.19            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 5.45     | 0.59    | PHS 10B-1TB57  |
|       | 60              | 303.33            | B    | 2012           | 14              | 50.8 | 32.0 | 100.0              | 9.1                            | 10.05    | 0.59    | PHS 10B-1TB60  |
|       | 70              | 353.84            | B    | 2012           | 16              | 63.5 | 45.0 | 100.0              | 9.1                            | 12.85    | 1.30    | PHS 10B-1TB70  |
|       | 72              | 363.95            | B    | 2012           | 16              | 63.5 | 45.0 | 100.0              | 9.1                            | 13.41    | 1.30    | PHS 10B-1TB72  |
|       | 76              | 384.15            | B    | 2012           | 14              | 50.8 | 45.0 | 100.0              | 9.1                            | 7.43     | 0.59    | PHS 10B-1TB76  |
|       | 80              | 404.35            | B    | 2012           | 16              | 63.5 | 45.0 | 110.0              | 9.1                            | 15.65    | 1.30    | PHS 10B-1TB80  |
|       | 84              | 424.70            | B    | 2012           | 16              | 63.5 | 45.0 | 110.0              | 9.1                            | 16.77    | 1.30    | PHS 10B-1TB84  |
|       | 95              | 480.14            | B    | 2517           | 14              | 50.8 | 45.0 | 110.0              | 9.1                            | 19.85    | 0.59    | PHS 10B-1TB95  |
|       | 96              | 485.30            | B    | 2517           | 16              | 63.5 | 45.0 | 110.0              | 9.1                            | 20.13    | 1.30    | PHS 10B-1TB96  |
|       | 114             | 576.13            | B    | 2517           | 16              | 63.5 | 45.0 | 110.0              | 9.1                            | 25.17    | 1.30    | PHS 10B-1TB114 |
| 19.05 | 11              | 67.61             | B    | 1008           | 9               | 25.4 | 22.0 | 46.0               | 11.10                          | 0.22     | 0.09    | PHS 12B-1TBH11 |
|       | 12              | 73.61             | B    | 1008           | 9               | 25.4 | 22.0 | 49.2               | 11.10                          | 0.30     | 0.09    | PHS 12B-1TBH12 |
|       | 13              | 79.59             | B    | 1210           | 11              | 31.8 | 25.0 | 60.0               | 11.10                          | 0.38     | 0.21    | PHS 12B-1TBH13 |
|       | 14              | 85.61             | B    | 1610           | 14              | 41.3 | 25.0 | 70.0               | 11.10                          | 0.46     | 0.31    | PHS 12B-1TBH14 |
|       | 15              | 91.63             | B    | 1610           | 14              | 41.3 | 25.0 | 70.0               | 11.10                          | 0.48     | 0.31    | PHS 12B-1TBH15 |
|       | 16              | 97.65             | B    | 1610           | 14              | 41.3 | 25.0 | 75.0               | 11.10                          | 0.60     | 0.31    | PHS 12B-1TBH16 |
|       | 17              | 103.67            | B    | 1610           | 14              | 41.3 | 25.0 | 76.0               | 11.10                          | 0.70     | 0.31    | PHS 12B-1TBH17 |
|       | 18              | 109.71            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 11.10                          | 0.86     | 0.59    | PHS 12B-1TBH18 |
|       | 19              | 115.75            | B    | 2012           | 14              | 50.8 | 32.0 | 90.0               | 11.10                          | 0.98     | 0.59    | PHS 12B-1TBH19 |
|       | 20              | 121.78            | B    | 2012           | 14              | 50.8 | 32.0 | 95.0               | 11.10                          | 1.25     | 0.59    | PHS 12B-1TBH20 |
|       | 21              | 127.82            | B    | 2517           | 16              | 63.5 | 45.0 | 102.0              | 11.10                          | 1.28     | 1.30    | PHS 12B-1TBH21 |
|       | 22              | 133.86            | B    | 2517           | 16              | 63.5 | 45.0 | 102.0              | 11.10                          | 1.37     | 1.30    | PHS 12B-1TBH22 |
|       | 23              | 139.90            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 1.75     | 1.30    | PHS 12B-1TBH23 |
|       | 24              | 145.94            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 1.85     | 1.30    | PHS 12B-1TBH24 |
|       | 25              | 152.00            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 1.95     | 1.30    | PHS 12B-1TBH25 |
|       | 26              | 158.04            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 2.09     | 1.30    | PHS 12B-1TB26  |
|       | 27              | 164.09            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 2.22     | 1.30    | PHS 12B-1TB27  |
|       | 28              | 170.13            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 2.36     | 1.30    | PHS 12B-1TB28  |
|       | 29              | 176.19            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 2.75     | 1.30    | PHS 12B-1TB29  |
|       | 30              | 182.25            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 2.89     | 1.30    | PHS 12B-1TB30  |
|       | 32              | 194.36            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 3.59     | 1.30    | PHS 12B-1TB32  |
|       | 35              | 212.52            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 4.41     | 1.30    | PHS 12B-1TB35  |
|       | 36              | 218.58            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 4.68     | 1.30    | PHS 12B-1TB36  |
|       | 38              | 230.69            | B    | 2517           | 16              | 63.5 | 45.0 | 108.0              | 11.10                          | 4.60     | 1.30    | PHS 12B-1TB38  |

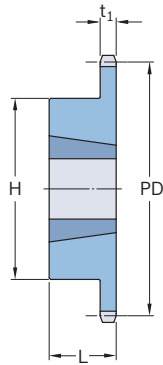
<sup>1)</sup> Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

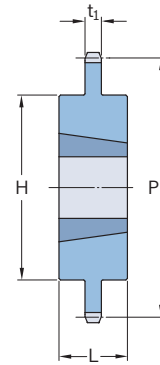
# Metric sprockets, simplex, taper bushed

ISO 12B-1 · 19.05 mm pitch | ISO 16B-1 · 25.40 mm pitch



Type B

Note: "H" mounted bushing illustrated



Type C

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions |      | L    | H     | Plate thickness t <sub>1</sub> | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|------------|------|------|-------|--------------------------------|----------|---------|----------------|
|       |                 |                   |      |                | Min.       | Max. |      |       |                                |          |         |                |
| mm    | —               | mm                | —    | —              | mm         |      |      |       |                                | kg       |         | —              |
| 19.05 | 40              | 242.81            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 5.78     | 1.30    | PHS 12B-1TB40  |
|       | 42              | 254.93            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 6.33     | 1.30    | PHS 12B-1TB42  |
|       | 45              | 273.10            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 5.70     | 1.30    | PHS 12B-1TB45  |
|       | 48              | 291.27            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 7.97     | 1.30    | PHS 12B-1TB48  |
|       | 54              | 327.64            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 9.61     | 1.30    | PHS 12B-1TB54  |
|       | 57              | 345.81            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 6.49     | 1.30    | PHS 12B-1TB57  |
|       | 60              | 363.99            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 11.25    | 1.30    | PHS 12B-1TB60  |
|       | 68              | 412.49            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 13.44    | 1.30    | PHS 12B-1TB68  |
|       | 70              | 424.60            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 13.99    | 1.30    | PHS 12B-1TB70  |
|       | 72              | 436.74            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 14.54    | 1.30    | PHS 12B-1TB72  |
|       | 76              | 460.99            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 11.20    | 1.30    | PHS 12B-1TB76  |
|       | 84              | 509.48            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 17.82    | 1.30    | PHS 12B-1TB84  |
|       | 95              | 576.17            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 17.64    | 1.30    | PHS 12B-1TB95  |
|       | 96              | 582.23            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 11.10                          | 21.11    | 1.30    | PHS 12B-1TB96  |
|       | 114             | 691.36            | B    | 2517           | 16         | 63.5 | 64.0 | 108.0 | 11.10                          | 26.04    | 1.30    | PHS 12B-1TB114 |
|       | 10              | 82.19             | B    | 1215           | 11         | 31.8 | 38.0 | 62.7  | 16.20                          | 0.34     | 0.30    | PHS 16B-1TBH10 |
|       | 11              | 90.14             | B    | 1215           | 11         | 31.8 | 38.0 | 62.7  | 16.20                          | 0.57     | 0.30    | PHS 16B-1TBH11 |
|       | 12              | 98.14             | B    | 1615           | 14         | 41.3 | 38.0 | 76.2  | 16.20                          | 0.81     | 0.43    | PHS 16B-1TBH12 |
|       | 13              | 106.12            | B    | 1615           | 14         | 41.3 | 38.0 | 73.0  | 16.20                          | 1.03     | 0.43    | PHS 16B-1TBH13 |
|       | 14              | 114.15            | B    | 1615           | 14         | 41.3 | 38.0 | 78.0  | 16.20                          | 1.26     | 0.43    | PHS 16B-1TBH14 |
| 25.40 | 15              | 122.17            | B    | 1615           | 14         | 41.3 | 38.0 | 76.0  | 16.20                          | 1.40     | 0.43    | PHS 16B-1TBH15 |
|       | 16              | 130.20            | B    | 2012           | 14         | 50.8 | 32.0 | 90.0  | 16.20                          | 1.42     | 0.59    | PHS 16B-1TBH16 |
|       | 17              | 138.22            | B    | 2012           | 14         | 50.8 | 32.0 | 90.0  | 16.20                          | 1.60     | 0.59    | PHS 16B-1TBH17 |
|       | 18              | 146.28            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 16.20                          | 2.09     | 1.30    | PHS 16B-1TBH18 |
|       | 19              | 154.33            | B    | 2517           | 16         | 63.5 | 45.0 | 108.0 | 16.20                          | 2.30     | 1.30    | PHS 16B-1TBH19 |
|       | 20              | 162.38            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 2.56     | 1.30    | PHS 16B-1TBH20 |
|       | 21              | 170.43            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 2.80     | 1.30    | PHS 16B-1TBH21 |
|       | 22              | 178.48            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 3.36     | 1.30    | PHS 16B-1TBH22 |
|       | 23              | 186.53            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 3.34     | 1.30    | PHS 16B-1TBH23 |
|       | 24              | 194.59            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 3.66     | 1.30    | PHS 16B-1TBH24 |
|       | 25              | 202.66            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 3.96     | 1.30    | PHS 16B-1TBH25 |
|       | 26              | 210.72            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 4.26     | 1.30    | PHS 16B-1TB26  |
|       | 27              | 218.79            | B    | 2517           | 16         | 63.5 | 45.0 | 110.0 | 16.20                          | 4.63     | 1.30    | PHS 16B-1TB27  |
|       | 28              | 226.85            | B    | 2517           | 16         | 63.5 | 45.0 | 140.0 | 16.20                          | 4.97     | 1.30    | PHS 16B-1TB28  |
|       | 29              | 234.92            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 6.24     | 2.24    | PHS 16B-1TB29  |
|       | 30              | 243.00            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 6.67     | 2.24    | PHS 16B-1TB30  |
|       | 32              | 259.13            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 8.37     | 2.24    | PHS 16B-1TB32  |
|       | 35              | 283.36            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 10.92    | 2.24    | PHS 16B-1TB35  |
|       | 36              | 291.44            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 11.77    | 2.24    | PHS 16B-1TB36  |
|       | 38              | 307.59            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 9.49     | 2.24    | PHS 16B-1TB38  |
|       | 40              | 323.75            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 15.17    | 2.24    | PHS 16B-1TB40  |
|       | 45              | 364.13            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 11.70    | 2.24    | PHS 16B-1TB45  |
|       | 48              | 388.36            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 18.91    | 2.24    | PHS 16B-1TB48  |
|       | 54              | 436.85            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 21.72    | 2.24    | PHS 16B-1TB54  |
|       | 57              | 461.07            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 15.00    | 2.24    | PHS 16B-1TB57  |
|       | 60              | 485.32            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 24.52    | 2.24    | PHS 16B-1TB60  |
|       | 64              | 517.65            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 26.39    | 2.24    | PHS 16B-1TB64  |
|       | 70              | 566.14            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 29.20    | 2.24    | PHS 16B-1TB70  |
|       | 76              | 614.65            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 23.00    | 2.24    | PHS 16B-1TB76  |
|       | 80              | 646.96            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 33.87    | 2.24    | PHS 16B-1TB80  |
|       | 84              | 679.30            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 35.74    | 2.24    | PHS 16B-1TB84  |
|       | 95              | 768.22            | B    | 3020           | 25         | 76.2 | 51.0 | 140.0 | 16.20                          | 40.88    | 2.24    | PHS 16B-1TB95  |
|       | 114             | 921.81            | B    | 3020           | 25         | 76.2 | 76.0 | 140.0 | 16.20                          | 49.77    | 2.24    | PHS 16B-1TB114 |

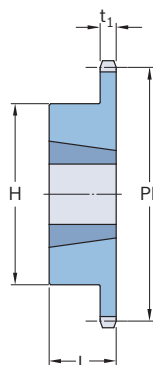
**Metric sprockets, simplex, taper bushed**  
ISO 20B-1 · 31.75 mm pitch | ISO 24B-1 · 38.10 mm pitch

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |       | L     | H     | Plate thickness t <sub>1</sub> | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|-----------------|-------|-------|-------|--------------------------------|----------|---------|----------------|
| mm    | –               | mm                | –    | –              | Min.            | Max.  |       |       |                                | kg       |         | –              |
| 31.75 | 11              | 112.70            | B    | 1615           | 14              | 41.3  | 38.0  | 62.7  | 18.20                          | 1.22     | 0.43    | PHS 20B-1TBH11 |
|       | 12              | 122.67            | B    | 1615           | 14              | 41.3  | 38.0  | 70.6  | 18.20                          | 1.41     | 0.43    | PHS 20B-1TBH12 |
|       | 13              | 132.67            | B    | 2012           | 14              | 50.8  | 32.0  | 90.0  | 18.20                          | 1.45     | 0.59    | PHS 20B-1TBH13 |
|       | 14              | 142.68            | B    | 2012           | 14              | 50.8  | 32.0  | 90.5  | 18.20                          | 1.63     | 0.59    | PHS 20B-1TBH14 |
|       | 15              | 152.71            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 2.31     | 1.30    | PHS 20B-1TBH15 |
|       | 16              | 162.75            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 2.72     | 1.30    | PHS 20B-1TBH16 |
|       | 17              | 172.79            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 3.27     | 1.30    | PHS 20B-1TBH17 |
|       | 18              | 182.84            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 3.63     | 1.30    | PHS 20B-1TBH18 |
|       | 19              | 192.90            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 4.09     | 1.30    | PHS 20B-1TBH19 |
|       | 20              | 202.96            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 4.40     | 1.30    | PHS 20B-1TBH20 |
|       | 21              | 213.03            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 4.54     | 1.30    | PHS 20B-1TBH21 |
|       | 22              | 223.10            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 4.77     | 1.30    | PHS 20B-1TBH22 |
|       | 23              | 233.17            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 5.58     | 1.30    | PHS 20B-1TBH23 |
|       | 24              | 243.25            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 6.13     | 1.30    | PHS 20B-1TBH24 |
|       | 25              | 253.32            | B    | 2517           | 16              | 63.5  | 45.0  | 108.0 | 18.20                          | 6.95     | 1.30    | PHS 20B-1TBH25 |
|       | 26              | 263.41            | B    | 2517           | 16              | 63.5  | 51.0  | 108.0 | 18.20                          | 7.35     | 1.30    | PHS 20B-1TB26  |
|       | 28              | 283.57            | B    | 3020           | 25              | 76.2  | 51.0  | 150.0 | 18.20                          | 7.90     | 2.24    | PHS 20B-1TB28  |
|       | 30              | 303.75            | B    | 3020           | 25              | 76.2  | 51.0  | 150.0 | 18.20                          | 9.62     | 2.24    | PHS 20B-1TB30  |
|       | 32              | 323.92            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 11.03    | 2.24    | PHS 20B-1TB32  |
|       | 35              | 354.20            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 13.15    | 2.24    | PHS 20B-1TB35  |
|       | 36              | 364.29            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 13.86    | 2.24    | PHS 20B-1TB36  |
|       | 38              | 384.48            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 15.98    | 2.24    | PHS 20B-1TB38  |
|       | 40              | 404.67            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 19.43    | 2.24    | PHS 20B-1TB40  |
|       | 45              | 455.15            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 25.18    | 2.24    | PHS 20B-1TB45  |
|       | 48              | 485.45            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 28.62    | 2.24    | PHS 20B-1TB48  |
|       | 54              | 546.05            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 35.52    | 2.24    | PHS 20B-1TB54  |
|       | 57              | 576.35            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 37.82    | 2.24    | PHS 20B-1TB57  |
|       | 60              | 606.66            | B    | 3020           | 25              | 76.2  | 51.0  | 160.0 | 18.20                          | 41.27    | 2.24    | PHS 20B-1TB60  |
|       | 70              | 707.68            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 51.56    | 5.18    | PHS 20B-1TB70  |
|       | 72              | 727.89            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 53.97    | 5.18    | PHS 20B-1TB72  |
|       | 76              | 768.30            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 60.33    | 5.18    | PHS 20B-1TB76  |
|       | 80              | 808.71            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 66.23    | 5.18    | PHS 20B-1TB80  |
|       | 84              | 849.13            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 73.48    | 5.18    | PHS 20B-1TB84  |
|       | 90              | 909.76            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 94.33    | 5.18    | PHS 20B-1TB90  |
|       | 95              | 960.28            | C    | 3535           | 35              | 88.9  | 51.0  | 160.0 | 18.20                          | 96.16    | 5.18    | PHS 20B-1TB95  |
| 38.10 | 11              | 135.23            | B    | 2012           | 14              | 50.8  | 31.8  | 90.5  | 24.13                          | 2.28     | 0.59    | PHS 24B-1TBH11 |
|       | 12              | 147.21            | B    | 2012           | 14              | 50.8  | 31.8  | 90.5  | 24.13                          | 2.49     | 0.59    | PHS 24B-1TBH12 |
|       | 13              | 159.20            | B    | 2517           | 16              | 63.5  | 44.5  | 107.9 | 24.13                          | 2.77     | 1.30    | PHS 24B-1TBH13 |
|       | 14              | 171.22            | B    | 2517           | 16              | 63.5  | 44.5  | 107.9 | 24.13                          | 3.54     | 1.30    | PHS 24B-1TBH14 |
|       | 15              | 183.25            | B    | 2517           | 16              | 63.5  | 44.5  | 107.9 | 24.13                          | 4.31     | 1.30    | PHS 24B-1TBH15 |
|       | 16              | 195.29            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 4.77     | 2.24    | PHS 24B-1TBH16 |
|       | 17              | 207.35            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 5.45     | 2.24    | PHS 24B-1TBH17 |
|       | 18              | 219.41            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 6.13     | 2.24    | PHS 24B-1TBH18 |
|       | 19              | 231.48            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 6.81     | 2.24    | PHS 24B-1TBH19 |
|       | 20              | 243.55            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 7.49     | 2.24    | PHS 24B-1TBH20 |
|       | 21              | 255.63            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 7.94     | 2.24    | PHS 24B-1TBH21 |
|       | 22              | 267.72            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 8.75     | 2.24    | PHS 24B-1TBH22 |
|       | 23              | 279.80            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 9.53     | 2.24    | PHS 24B-1TBH23 |
|       | 24              | 291.90            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 10.67    | 2.24    | PHS 24B-1TBH24 |
|       | 25              | 303.99            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 11.80    | 2.24    | PHS 24B-1TBH25 |
|       | 26              | 316.09            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 12.93    | 2.24    | PHS 24B-1TB26  |
|       | 27              | 328.19            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 13.50    | 2.24    | PHS 24B-1TB27  |
|       | 28              | 340.29            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 14.70    | 2.24    | PHS 24B-1TB28  |
|       | 29              | 352.29            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 14.75    | 2.24    | PHS 24B-1TB29  |
|       | 30              | 364.49            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 15.20    | 2.24    | PHS 24B-1TB30  |
|       | 32              | 388.71            | B    | 3020           | 25              | 76.2  | 50.8  | 133.4 | 24.13                          | 15.76    | 2.24    | PHS 24B-1TB32  |
|       | 38              | 461.37            | B    | 3030           | 35              | 76.2  | 76.2  | 139.7 | 24.13                          | 24.97    | 3.04    | PHS24B-1TB38   |
|       | 40              | 485.60            | C    | 3030           | 35              | 76.2  | 76.2  | 139.7 | 24.13                          | 28.46    | 3.04    | PHS 24B-1TB40  |
|       | 42              | 509.83            | C    | 3030           | 35              | 76.2  | 76.2  | 139.7 | 24.13                          | 31.95    | 3.04    | PHS 24B-1TB42  |
|       | 45              | 546.19            | C    | 3030           | 35              | 76.2  | 76.2  | 139.7 | 24.13                          | 37.19    | 3.04    | PHS 24B-1TB45  |
|       | 48              | 582.54            | C    | 3030           | 35              | 76.2  | 76.2  | 139.7 | 24.13                          | 42.43    | 3.04    | PHS 24B-1TB48  |
|       | 50              | 606.78            | C    | 3030           | 35              | 76.2  | 76.2  | 139.7 | 24.13                          | 45.92    | 3.04    | PHS 24B-1TB50  |
|       | 54              | 655.26            | C    | 3535           | 35              | 88.9  | 88.9  | 165.1 | 24.13                          | 63.32    | 5.18    | PHS 24B-1TB54  |
|       | 57              | 691.62            | C    | 3535           | 35              | 88.9  | 88.9  | 165.1 | 24.13                          | 71.46    | 5.18    | PHS 24B-1TB57  |
|       | 60              | 727.99            | C    | 3535           | 35              | 88.9  | 88.9  | 165.1 | 24.13                          | 79.60    | 5.18    | PHS 24B-1TB60  |
|       | 68              | 824.97            | C    | 3535           | 35              | 88.9  | 88.9  | 165.1 | 24.13                          | 101.31   | 5.18    | PHS 24B-1TB68  |
|       | 72              | 873.46            | C    | 3535           | 35              | 88.9  | 88.9  | 165.1 | 24.13                          | 112.17   | 5.18    | PHS 24B-1TB72  |
|       | 76              | 921.96            | C    | 3535           | 35              | 88.9  | 88.9  | 165.1 | 24.13                          | 123.02   | 5.18    | PHS 24B-1TB76  |
|       | 95              | 1152.33           | C    | 4040           | 40              | 101.6 | 101.6 | 196.9 | 24.13                          | 196.67   | 8.27    | PHS 24B-1TB95  |
|       | 96              | 1164.46           | C    | 4040           | 40              | 101.6 | 101.6 | 196.9 | 24.13                          | 201.03   | 8.27    | PHS 24B-1TB96  |
|       | 114             | 1382.72           | C    | 4040           | 40              | 101.6 | 101.6 | 196.9 | 24.13                          | 279.50   | 8.27    | PHS 24B-1TB114 |

<sup>1)</sup> Undercut in hub for chain clearance  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

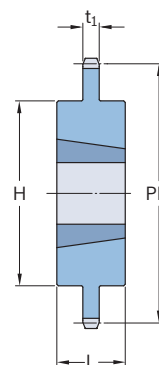
# Metric sprockets, simplex, taper bushed

ISO 28B-1 · 44.45 mm pitch | ISO 32B-1 · 50.80 mm pitch



Type B

Note: "H" mounted bushing illustrated



Type C

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions |       | L     | H     | Plate thickness t <sub>1</sub> | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|------------|-------|-------|-------|--------------------------------|----------|---------|----------------|
|       |                 |                   |      |                | Min.       | Max.  |       |       |                                |          |         |                |
| mm    | —               | mm                | —    | —              | mm         |       |       |       |                                | kg       |         | —              |
| 44.45 | 11              | 157.77            | B    | 2517           | 16         | 63.5  | 44.5  | 107.9 | 29.44                          | 3.53     | 1.30    | PHS 28B-1TBH11 |
|       | 12              | 171.74            | B    | 2517           | 16         | 63.5  | 44.5  | 107.9 | 29.44                          | 3.86     | 1.30    | PHS 28B-1TBH12 |
|       | 13              | 185.75            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 5.90     | 2.24    | PHS 28B-1TBH13 |
|       | 14              | 199.76            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 7.04     | 2.24    | PHS 28B-1TBH14 |
|       | 15              | 213.79            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 8.17     | 2.24    | PHS 28B-1TBH15 |
|       | 16              | 227.84            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 9.76     | 2.24    | PHS 28B-1TBH16 |
|       | 17              | 241.91            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 11.35    | 2.24    | PHS 28B-1TBH17 |
|       | 18              | 255.98            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 12.49    | 2.24    | PHS 28B-1TBH18 |
|       | 19              | 270.06            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 13.62    | 2.24    | PHS 28B-1TBH19 |
|       | 20              | 284.15            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 14.30    | 2.24    | PHS 28B-1TBH20 |
|       | 21              | 298.24            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 14.98    | 2.24    | PHS 28B-1TBH21 |
|       | 22              | 312.34            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 16.91    | 2.24    | PHS 28B-1TBH22 |
|       | 23              | 326.44            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 18.84    | 2.24    | PHS 28B-1TBH23 |
|       | 24              | 340.55            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 20.77    | 2.24    | PHS 28B-1TBH24 |
|       | 25              | 354.66            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 22.70    | 2.24    | PHS 28B-1TBH25 |
|       | 26              | 368.77            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 24.63    | 2.24    | PHS 28B-1TB26  |
|       | 27              | 382.88            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 26.56    | 2.24    | PHS 28B-1TB27  |
|       | 28              | 397.00            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 28.49    | 2.24    | PHS 28B-1TB28  |
|       | 30              | 425.24            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 32.35    | 2.24    | PHS 28B-1TB30  |
|       | 32              | 453.49            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 36.21    | 2.24    | PHS 28B-1TB32  |
|       | 38              | 538.27            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 45.40    | 3.56    | PHS 28B-1TB38  |
|       | 40              | 566.54            | C    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 47.79    | 3.56    | PHS 28B-1TB40  |
|       | 42              | 594.82            | C    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 50.18    | 3.56    | PHS 28B-1TB42  |
|       | 45              | 637.22            | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 57.35    | 8.27    | PHS 28B-1TB45  |
|       | 48              | 679.63            | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 61.17    | 8.27    | PHS 28B-1TB48  |
|       | 54              | 764.46            | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 68.82    | 8.27    | PHS 28B-1TB54  |
|       | 57              | 806.90            | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 72.64    | 8.27    | PHS 28B-1TB57  |
|       | 60              | 849.32            | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 76.44    | 8.27    | PHS 28B-1TB60  |
|       | 68              | 962.46            | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 86.63    | 8.27    | PHS 28B-1TB68  |
|       | 72              | 1019.05           | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 91.73    | 8.27    | PHS 28B-1TB72  |
|       | 76              | 1075.62           | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 96.83    | 8.27    | PHS 28B-1TB76  |
|       | 95              | 1344.37           | C    | 4040           | 40         | 101.6 | 101.6 | 219.1 | 29.44                          | 121.03   | 8.27    | PHS 28B-1TB95  |
| 50.80 | 11              | 180.34            | B    | 2517           | 16         | 63.5  | 44.5  | 107.9 | 29.44                          | 4.51     | 1.30    | PHS 32B-1TBH11 |
|       | 12              | 196.29            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 5.27     | 2.24    | PHS 32B-1TBH12 |
|       | 13              | 212.29            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 6.38     | 2.24    | PHS 32B-1TBH13 |
|       | 14              | 228.29            | B    | 3020           | 25         | 76.2  | 50.8  | 133.4 | 29.44                          | 6.87     | 2.24    | PHS 32B-1TBH14 |
|       | 15              | 244.30            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 11.80    | 5.18    | PHS 32B-1TBH15 |
|       | 16              | 260.40            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 13.38    | 5.18    | PHS 32B-1TBH16 |
|       | 17              | 276.40            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 14.98    | 5.18    | PHS 32B-1TBH17 |
|       | 18              | 292.55            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 16.12    | 5.18    | PHS 32B-1TBH18 |
|       | 19              | 308.66            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 17.25    | 5.18    | PHS 32B-1TBH19 |
|       | 20              | 324.71            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 21.10    | 5.18    | PHS 32B-1TBH20 |
|       | 21              | 340.82            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 24.94    | 5.18    | PHS 32B-1TBH21 |
|       | 22              | 356.98            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 27.79    | 5.18    | PHS 32B-1TBH22 |
|       | 23              | 373.08            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 30.64    | 5.18    | PHS 32B-1TBH23 |
|       | 24              | 389.18            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 33.48    | 5.18    | PHS 32B-1TBH24 |
|       | 25              | 405.33            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 36.32    | 5.18    | PHS 32B-1TBH25 |
|       | 26              | 421.44            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 39.16    | 5.18    | PHS 32B-1TB26  |
|       | 27              | 437.59            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 42.00    | 5.18    | PHS 32B-1TB27  |
|       | 28              | 453.69            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 44.84    | 5.18    | PHS 32B-1TB28  |
|       | 30              | 486.00            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 50.52    | 5.18    | PHS 32B-1TB30  |
|       | 32              | 518.26            | B    | 3535           | 35         | 88.9  | 88.9  | 165.1 | 29.44                          | 56.20    | 5.18    | PHS 32B-1TB32  |

<sup>1)</sup> Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

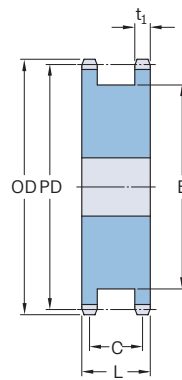
**Metric sprockets, simplex, taper bushed**  
ISO 32B-1 · 50.80 mm pitch

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |       | L     | H     | Plate thickness t <sub>1</sub> | Mass Rim | Bushing | Designation   |
|-------|-----------------|-------------------|------|----------------|-----------------|-------|-------|-------|--------------------------------|----------|---------|---------------|
|       |                 |                   |      |                | Min.            | Max.  |       |       |                                |          |         |               |
| mm    | –               | mm                | –    | –              | mm              |       |       |       |                                | kg       |         | –             |
| 50.80 | 38              | 615.14            | B    | 4040           | 40              | 101.6 | 101.6 | 219.1 | 29.44                          | 68.10    | 8.27    | PHS 32B-1TB38 |
|       | 40              | 647.49            | C    | 4040           | 40              | 101.6 | 101.6 | 219.1 | 29.44                          | 77.08    | 8.27    | PHS 32B-1TB40 |
|       | 45              | 728.26            | C    | 4040           | 40              | 101.6 | 101.6 | 219.1 | 29.44                          | 99.53    | 8.27    | PHS 32B-1TB45 |
|       | 48              | 776.72            | C    | 4040           | 40              | 101.6 | 101.6 | 219.1 | 29.44                          | 113.01   | 8.27    | PHS 32B-1TB48 |
|       | 54              | 873.68            | C    | 4040           | 40              | 101.6 | 114.3 | 219.1 | 29.44                          | 139.95   | 8.27    | PHS 32B-1TB54 |
|       | 57              | 922.17            | C    | 4545           | 55              | 114.3 | 114.3 | 247.7 | 29.44                          | 136.20   | 9.99    | PHS 32B-1TB57 |
|       | 60              | 970.63            | C    | 4545           | 55              | 114.3 | 114.3 | 247.7 | 29.44                          | 158.84   | 9.99    | PHS 32B-1TB60 |
|       | 64              | 1035.30           | C    | 4545           | 55              | 114.3 | 114.3 | 247.7 | 29.44                          | 189.03   | 9.99    | PHS 32B-1TB64 |
|       | 70              | 1132.29           | C    | 4545           | 55              | 114.3 | 114.3 | 247.7 | 29.44                          | 234.32   | 9.99    | PHS 32B-1TB70 |

<sup>1)</sup> Undercut in hub for chain clearance  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

# Metric sprockets, double simplex, pilot bore

ISO 06B-1 · 9.525 mm pitch | ISO 08B-1 · 12.70 mm pitch | ISO 10B-1 · 15.88 mm pitch | ISO 12B-1 · 19.05 mm pitch



Type A

| Pitch | Number of teeth | Diameters Outside | Pitch  | Type | Dimensions Bore |       | L     | C    | E   | Plate thickness t <sub>1</sub> | Mass | Designation    |
|-------|-----------------|-------------------|--------|------|-----------------|-------|-------|------|-----|--------------------------------|------|----------------|
|       |                 | OD                | PD     |      | Min.            | Max.  |       |      |     |                                |      |                |
| mm    | –               | mm                | –      | –    | mm              |       |       |      |     |                                | kg   | –              |
| 9.525 | 14              | 46.30             | 42.80  | A    | 10              | 20.00 | 25.61 | 20.3 | 31  | 5.31                           | 0.17 | PHS 06B-1DSA14 |
|       | 15              | 49.30             | 45.81  | A    | 10              | 23.00 | 25.61 | 20.3 | 34  | 5.31                           | 0.20 | PHS 06B-1DSA15 |
|       | 16              | 52.30             | 48.82  | A    | 10              | 25.00 | 25.61 | 20.3 | 37  | 5.31                           | 0.23 | PHS 06B-1DSA16 |
|       | 17              | 55.30             | 51.83  | A    | 12              | 27.00 | 25.61 | 20.3 | 40  | 5.31                           | 0.27 | PHS 06B-1DSA17 |
|       | 18              | 58.30             | 54.85  | A    | 12              | 29.00 | 25.61 | 20.3 | 43  | 5.31                           | 0.30 | PHS 06B-1DSA18 |
|       | 19              | 61.30             | 57.87  | A    | 12              | 31.00 | 25.61 | 20.3 | 46  | 5.31                           | 0.35 | PHS 06B-1DSA19 |
|       | 20              | 64.30             | 60.89  | A    | 12              | 33.00 | 25.61 | 20.3 | 48  | 5.31                           | 0.39 | PHS 06B-1DSA20 |
|       | 21              | 68.00             | 63.91  | A    | 15              | 35.00 | 25.61 | 20.3 | 52  | 5.31                           | 0.44 | PHS 06B-1DSA21 |
|       | 22              | 71.00             | 66.93  | A    | 15              | 36.00 | 25.61 | 20.3 | 55  | 5.31                           | 0.50 | PHS 06B-1DSA22 |
|       | 23              | 73.50             | 69.95  | A    | 15              | 38.00 | 25.61 | 20.3 | 59  | 5.31                           | 0.55 | PHS 06B-1DSA23 |
| 12.70 | 24              | 77.00             | 72.97  | A    | 15              | 40.00 | 25.61 | 20.3 | 61  | 5.31                           | 0.61 | PHS 06B-1DSA24 |
|       | 25              | 80.00             | 76.02  | A    | 15              | 43.00 | 25.61 | 20.3 | 65  | 5.31                           | 0.67 | PHS 06B-1DSA25 |
|       | 12              | 53.00             | 49.07  | A    | 10              | 24.00 | 32.0  | 24.8 | 35  | 7.20                           | 0.35 | PHS 08B-1DSA12 |
|       | 13              | 57.40             | 53.06  | A    | 10              | 26.00 | 32.0  | 24.8 | 37  | 7.20                           | 0.41 | PHS 08B-1DSA13 |
|       | 14              | 61.80             | 57.07  | A    | 10              | 27.00 | 32.0  | 24.8 | 41  | 7.20                           | 0.49 | PHS 08B-1DSA14 |
|       | 15              | 65.50             | 61.09  | A    | 10              | 30.00 | 32.0  | 24.8 | 45  | 7.20                           | 0.55 | PHS 08B-1DSA15 |
|       | 16              | 69.50             | 65.10  | A    | 12              | 34.00 | 32.0  | 24.8 | 50  | 7.20                           | 0.64 | PHS 08B-1DSA16 |
|       | 17              | 73.60             | 69.11  | A    | 12              | 36.00 | 32.0  | 24.8 | 53  | 7.20                           | 0.73 | PHS 08B-1DSA17 |
|       | 18              | 77.80             | 73.14  | A    | 12              | 38.00 | 32.0  | 24.8 | 58  | 7.20                           | 0.82 | PHS 08B-1DSA18 |
|       | 19              | 81.70             | 77.16  | A    | 12              | 41.00 | 32.0  | 24.8 | 62  | 7.20                           | 1.00 | PHS 08B-1DSA19 |
| 15.88 | 20              | 85.80             | 81.18  | A    | 12              | 44.00 | 32.0  | 24.8 | 66  | 7.20                           | 1.18 | PHS 08B-1DSA20 |
|       | 21              | 89.70             | 85.22  | A    | 15              | 46.00 | 32.0  | 24.8 | 70  | 7.20                           | 1.32 | PHS 08B-1DSA21 |
|       | 22              | 93.80             | 89.24  | A    | 15              | 48.00 | 32.0  | 24.8 | 74  | 7.20                           | 1.36 | PHS 08B-1DSA22 |
|       | 23              | 98.20             | 93.27  | A    | 15              | 52.00 | 32.0  | 24.8 | 78  | 7.20                           | 1.59 | PHS 08B-1DSA23 |
|       | 24              | 101.80            | 97.29  | A    | 15              | 54.00 | 32.0  | 24.8 | 82  | 7.20                           | 1.70 | PHS 08B-1DSA24 |
|       | 25              | 105.80            | 101.33 | A    | 15              | 57.00 | 32.0  | 24.8 | 86  | 7.20                           | 1.82 | PHS 08B-1DSA25 |
|       | 12              | 68.00             | 61.34  | A    | 15              | 30.00 | 37.0  | 27.9 | 45  | 9.10                           | 0.59 | PHS 10B-1DSA12 |
|       | 13              | 73.00             | 66.32  | A    | 15              | 34.00 | 37.0  | 27.9 | 48  | 9.10                           | 0.70 | PHS 10B-1DSA13 |
|       | 14              | 78.00             | 71.34  | A    | 15              | 36.00 | 37.0  | 27.9 | 55  | 9.10                           | 0.83 | PHS 10B-1DSA14 |
|       | 15              | 83.00             | 76.36  | A    | 15              | 40.00 | 37.0  | 27.9 | 58  | 9.10                           | 0.95 | PHS 10B-1DSA15 |
| 19.05 | 16              | 88.00             | 81.37  | A    | 15              | 42.00 | 37.0  | 27.9 | 64  | 9.10                           | 1.09 | PHS 10B-1DSA16 |
|       | 17              | 93.00             | 86.39  | A    | 15              | 44.00 | 37.0  | 27.9 | 68  | 9.10                           | 1.32 | PHS 10B-1DSA17 |
|       | 18              | 98.00             | 91.42  | A    | 15              | 47.00 | 37.0  | 27.9 | 73  | 9.10                           | 1.50 | PHS 10B-1DSA18 |
|       | 19              | 103.30            | 96.45  | A    | 19              | 52.00 | 37.0  | 27.9 | 79  | 9.10                           | 1.68 | PHS 10B-1DSA19 |
|       | 20              | 108.40            | 101.49 | A    | 19              | 57.00 | 37.0  | 27.9 | 83  | 9.10                           | 1.91 | PHS 10B-1DSA20 |
|       | 21              | 113.40            | 106.52 | A    | 19              | 57.00 | 37.0  | 27.9 | 89  | 9.10                           | 2.18 | PHS 10B-1DSA21 |
|       | 22              | 118.00            | 111.55 | A    | 19              | 61.00 | 37.0  | 27.9 | 93  | 9.10                           | 2.41 | PHS 10B-1DSA22 |
|       | 23              | 123.40            | 116.58 | A    | 19              | 65.00 | 37.0  | 27.9 | 99  | 9.10                           | 2.64 | PHS 10B-1DSA23 |
|       | 24              | 128.30            | 121.62 | A    | 19              | 69.00 | 37.0  | 27.9 | 103 | 9.10                           | 2.86 | PHS 10B-1DSA24 |
|       | 25              | 134.00            | 126.66 | A    | 19              | 72.00 | 37.0  | 27.9 | 109 | 9.10                           | 3.16 | PHS 10B-1DSA25 |
| 19.05 | 12              | 81.50             | 73.61  | A    | 20              | 35.00 | 45.0  | 33.9 | 53  | 11.10                          | 1.08 | PHS 12B-1DSA12 |
|       | 13              | 87.50             | 79.59  | A    | 20              | 38.00 | 45.0  | 33.9 | 59  | 11.10                          | 1.29 | PHS 12B-1DSA13 |
|       | 14              | 93.60             | 85.62  | A    | 20              | 42.00 | 45.0  | 33.9 | 65  | 11.10                          | 1.52 | PHS 12B-1DSA14 |
|       | 15              | 99.80             | 91.61  | A    | 20              | 38.00 | 45.0  | 33.9 | 71  | 11.10                          | 1.73 | PHS 12B-1DSA15 |
|       | 16              | 105.50            | 97.63  | A    | 20              | 46.00 | 45.0  | 33.9 | 77  | 11.10                          | 2.09 | PHS 12B-1DSA16 |
|       | 17              | 111.50            | 103.67 | A    | 20              | 55.00 | 45.0  | 33.9 | 71  | 11.10                          | 2.41 | PHS 12B-1DSA17 |
|       | 18              | 118.00            | 109.71 | A    | 20              | 58.00 | 45.0  | 33.9 | 88  | 11.10                          | 2.95 | PHS 12B-1DSA18 |
|       | 19              | 124.20            | 115.75 | A    | 20              | 62.00 | 45.0  | 33.9 | 71  | 11.10                          | 3.09 | PHS 12B-1DSA19 |
|       | 20              | 129.70            | 121.78 | A    | 24              | 65.00 | 45.0  | 33.9 | 100 | 11.10                          | 3.30 | PHS 12B-1DSA20 |
|       | 21              | 136.00            | 127.82 | A    | 24              | 70.00 | 45.0  | 33.9 | 71  | 11.10                          | 3.62 | PHS 12B-1DSA21 |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-1DSAH14.

# Metric sprockets, double simplex, pilot bore

ISO 12B-1 · 19.05 mm pitch | ISO 16B-1 · 25.40 mm pitch | ISO 20B-1 · 31.75 mm pitch

| Pitch | Number of teeth | Diameters Outside | Pitch  | Type | Dimensions Bore |        | L    | C    | E   | Plate thickness t <sub>1</sub> | Mass  | Designation    |
|-------|-----------------|-------------------|--------|------|-----------------|--------|------|------|-----|--------------------------------|-------|----------------|
|       |                 | OD                | PD     |      | Min.            | Max.   |      |      |     |                                |       |                |
| mm    | –               | mm                |        | –    | mm              |        |      |      |     |                                | kg    | –              |
| 19.05 | 22              | 141.80            | 133.86 | A    | 24              | 73.00  | 45.0 | 33.9 | 112 | 11.10                          | 4.00  | PHS 12B-1DSA22 |
|       | 23              | 149.00            | 139.90 | A    | 24              | 77.00  | 45.0 | 33.9 | 71  | 11.10                          | 4.60  | PHS 12B-1DSA23 |
|       | 24              | 153.90            | 145.94 | A    | 24              | 81.00  | 45.0 | 33.9 | 124 | 11.10                          | 4.95  | PHS 12B-1DSA24 |
|       | 25              | 160.30            | 151.94 | A    | 24              | 85.00  | 45.0 | 33.9 | 71  | 11.10                          | 5.30  | PHS 12B-1DSA25 |
| 25.40 | 12              | 109.00            | 98.14  | A    | 24              | 46.00  | 64.0 | 47.8 | 72  | 16.20                          | 2.48  | PHS 16B-1DSA12 |
|       | 13              | 117.00            | 106.12 | A    | 24              | 50.00  | 64.0 | 47.8 | 78  | 16.20                          | 3.09  | PHS 16B-1DSA13 |
|       | 14              | 125.00            | 114.15 | A    | 24              | 57.00  | 64.0 | 47.8 | 84  | 16.20                          | 3.70  | PHS 16B-1DSA14 |
|       | 15              | 133.00            | 122.17 | A    | 24              | 60.00  | 64.0 | 47.8 | 95  | 16.20                          | 4.35  | PHS 16B-1DSA15 |
|       | 16              | 141.00            | 130.20 | A    | 24              | 68.00  | 64.0 | 47.8 | 101 | 16.20                          | 5.00  | PHS 16B-1DSA16 |
|       | 17              | 149.00            | 138.22 | A    | 24              | 71.00  | 64.0 | 47.8 | 111 | 16.20                          | 5.75  | PHS 16B-1DSA17 |
|       | 18              | 157.00            | 146.28 | A    | 24              | 79.00  | 64.0 | 47.8 | 117 | 16.20                          | 6.50  | PHS 16B-1DSA18 |
|       | 19              | 165.20            | 154.33 | A    | 24              | 82.00  | 64.0 | 47.8 | 127 | 16.20                          | 7.40  | PHS 16B-1DSA19 |
|       | 20              | 173.20            | 162.38 | A    | 24              | 88.00  | 64.0 | 47.8 | 134 | 16.20                          | 8.30  | PHS 16B-1DSA20 |
|       | 21              | 181.20            | 170.43 | A    | 24              | 95.00  | 64.0 | 47.8 | 143 | 16.20                          | 9.20  | PHS 16B-1DSA21 |
|       | 22              | 189.30            | 178.48 | A    | 24              | 100.00 | 64.0 | 47.8 | 151 | 16.20                          | 10.15 | PHS 16B-1DSA22 |
|       | 23              | 197.50            | 186.59 | A    | 24              | 107.00 | 64.0 | 47.8 | 160 | 16.20                          | 11.20 | PHS 16B-1DSA23 |
|       | 24              | 205.50            | 194.59 | A    | 24              | 111.00 | 64.0 | 47.8 | 168 | 16.20                          | 12.80 | PHS 16B-1DSA24 |
|       | 25              | 213.50            | 202.66 | A    | 24              | 115.00 | 64.0 | 47.8 | 176 | 16.20                          | 14.40 | PHS 16B-1DSA25 |
| 31.75 | 13              | 147.83            | 132.66 | A    | 25              | 63.50  | 68.3 | 49.8 | 96  | 18.50                          | 5.09  | PHS 20B-1DSA13 |
|       | 14              | 158.24            | 142.67 | A    | 25              | 69.85  | 68.3 | 49.8 | 106 | 18.50                          | 6.14  | PHS 20B-1DSA14 |
|       | 15              | 168.40            | 152.70 | A    | 32              | 77.79  | 68.3 | 49.8 | 116 | 18.50                          | 7.64  | PHS 20B-1DSA15 |
|       | 16              | 178.56            | 162.74 | A    | 32              | 82.55  | 68.3 | 49.8 | 114 | 18.50                          | 8.77  | PHS 20B-1DSA16 |
|       | 17              | 188.98            | 172.80 | A    | 32              | 92.08  | 68.3 | 49.8 | 124 | 18.50                          | 9.77  | PHS 20B-1DSA17 |
|       | 18              | 199.14            | 182.83 | A    | 32              | 95.25  | 68.3 | 49.8 | 134 | 18.50                          | 10.45 | PHS 20B-1DSA18 |
|       | 19              | 209.30            | 192.91 | A    | 32              | 106.36 | 68.3 | 49.8 | 157 | 18.50                          | 11.36 | PHS 20B-1DSA19 |
|       | 20              | 219.46            | 202.97 | A    | 32              | 106.36 | 68.3 | 49.8 | 167 | 18.50                          | 12.05 | PHS 20B-1DSA20 |
|       | 21              | 229.62            | 213.03 | A    | 32              | 133.35 | 68.3 | 49.8 | 177 | 18.50                          | 13.18 | PHS 20B-1DSA21 |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-1DSAH14.



**Metric sprockets, double simplex, taper bushed**  
ISO 16B-1 · 25.40 mm pitch | ISO 20B-1 · 31.75 mm pitch

| Pitch | Number of teeth | Diameters |        | Type | Bushing number | Dimensions Bore |      | L <sub>1</sub> | C     | E   | L <sub>2</sub> | Plate thickness t <sub>1</sub> | Mass <sup>1)</sup> | Designation      |
|-------|-----------------|-----------|--------|------|----------------|-----------------|------|----------------|-------|-----|----------------|--------------------------------|--------------------|------------------|
|       |                 | Outside   | Pitch  |      |                | Min.            | Max. |                |       |     |                |                                |                    |                  |
| mm    | –               | mm        | –      | –    | –              | mm              | –    | –              | –     | –   | –              | –                              | kg                 | –                |
| 25.40 | 17              | 149.00    | 138.22 | A    | 2517           | 16              | 65   | 63.5           | 46.50 | 112 | 44.5           | 16.20                          | 3.89               | PHS 16B-1DSTBH17 |
|       | 18              | 157.00    | 146.28 | A    | 2517           | 16              | 65   | 63.5           | 46.50 | 120 | 44.5           | 16.20                          | 4.65               | PHS 16B-1DSTBH18 |
|       | 19              | 165.20    | 154.33 | A    | 3020           | 25              | 75   | 63.5           | 46.50 | 128 | 50.8           | 16.20                          | 4.50               | PHS 16B-1DSTBH19 |
|       | 20              | 173.20    | 162.38 | A    | 3020           | 25              | 75   | 63.5           | 46.50 | 135 | 50.8           | 16.20                          | 5.10               | PHS 16B-1DSTBH20 |
|       | 21              | 181.20    | 170.43 | A    | 3020           | 25              | 75   | 63.5           | 46.50 | 142 | 50.8           | 16.20                          | 6.00               | PHS 16B-1DSTBH21 |
|       | 22              | 189.30    | 178.48 | A    | 3020           | 25              | 75   | 63.5           | 46.50 | 151 | 50.8           | 16.20                          | 6.20               | PHS 16B-1DSTBH22 |
|       | 23              | 197.50    | 186.59 | A    | 3525           | 35              | 90   | 63.5           | 46.50 | 160 | 63.5           | 16.20                          | 7.15               | PHS 16B-1DSTBH23 |
|       | 24              | 205.50    | 194.59 | A    | 3525           | 35              | 90   | 63.5           | 46.50 | 167 | 63.5           | 16.20                          | 8.10               | PHS 16B-1DSTBH24 |
|       | 25              | 213.50    | 178.49 | A    | 3525           | 35              | 90   | 63.5           | 46.50 | 175 | 63.5           | 16.20                          | 9.00               | PHS 16B-1DSTBH25 |
|       | 26              | 221.50    | 178.49 | A    | 3525           | 35              | 90   | 63.5           | 46.50 | 183 | 63.5           | 16.20                          | 9.90               | PHS 16B-1DSTBH26 |
| 31.75 | 15              | 167.90    | 152.72 | A    | 2517           | 16              | 60   | 68.3           | 49.80 | 115 | 44.5           | 18.50                          | 4.20               | PHS 20B-1DSTBH15 |
|       | 16              | 177.90    | 162.75 | A    | 2517           | 16              | 60   | 68.3           | 49.80 | 127 | 44.5           | 18.50                          | 5.91               | PHS 20B-1DSTBH16 |
|       | 17              | 172.80    | 172.78 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 137 | 50.8           | 18.50                          | 6.36               | PHS 20B-1DSTBH17 |
|       | 18              | 182.83    | 182.85 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 147 | 50.8           | 18.50                          | 7.27               | PHS 20B-1DSTBH18 |
|       | 19              | 192.91    | 192.91 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 157 | 50.8           | 18.50                          | 9.09               | PHS 20B-1DSTBH19 |
|       | 20              | 218.10    | 202.98 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 167 | 50.8           | 18.50                          | 10.85              | PHS 20B-1DSTBH20 |
|       | 21              | 228.28    | 213.03 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 177 | 50.8           | 18.50                          | 12.50              | PHS 20B-1DSTBH21 |
|       | 22              | 238.46    | 213.03 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 187 | 50.8           | 18.50                          | 13.40              | PHS 20B-1DSTBH22 |
|       | 23              | 248.64    | 213.03 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 197 | 50.8           | 18.50                          | 14.30              | PHS 20B-1DSTBH23 |
|       | 24              | 258.82    | 213.03 | A    | 3020           | 25              | 75   | 68.3           | 49.80 | 207 | 50.8           | 18.50                          | 15.20              | PHS 20B-1DSTBH24 |

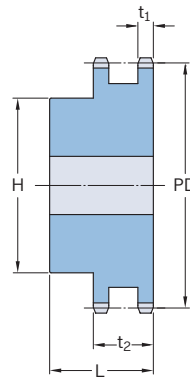
<sup>1)</sup> Mass for rim only

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-1DSTBH18.

# Metric sprockets, duplex, pilot bore

ISO 06B-2 · 9.525 mm pitch | ISO 08B-2 · 12.70 mm pitch



Type B

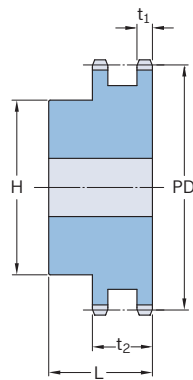
| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions   |      | Hub<br>H | L  | t <sub>1</sub> | Plate thickness |      | Mass <sup>1)</sup> | Designation    |
|-------|-----------------|----------------------|------|--------------|------|----------|----|----------------|-----------------|------|--------------------|----------------|
|       |                 |                      |      | Bore<br>Min. | Max. |          |    |                | t <sub>2</sub>  |      |                    |                |
| mm    | –               | mm                   | –    | mm           |      |          |    |                |                 |      | kg                 | –              |
| 9.525 | 12              | 36.80                | B    | 10           | 12   | 25       | 25 | 5.20           | 15.44           | 0.11 |                    | PHS 06B-2BH12  |
|       | 13              | 39.79                | B    | 10           | 12   | 28       | 25 | 5.20           | 15.44           | 0.14 |                    | PHS 06B-2BH13  |
|       | 14              | 42.80                | B    | 10           | 18   | 31       | 25 | 5.20           | 15.44           | 0.17 |                    | PHS 06B-2BH14  |
|       | 15              | 45.81                | B    | 10           | 18   | 34       | 25 | 5.20           | 15.44           | 0.20 |                    | PHS 06B-2BH15  |
|       | 16              | 48.82                | B    | 12           | 20   | 37       | 30 | 5.20           | 15.44           | 0.26 |                    | PHS 06B-2BH16  |
|       | 17              | 51.83                | B    | 12           | 23   | 40       | 30 | 5.20           | 15.44           | 0.32 |                    | PHS 06B-2BH17  |
|       | 18              | 54.85                | B    | 12           | 25   | 43       | 30 | 5.20           | 15.44           | 0.37 |                    | PHS 06B-2BH18  |
|       | 19              | 57.87                | B    | 12           | 28   | 46       | 30 | 5.20           | 15.44           | 0.42 |                    | PHS 06B-2BH19  |
|       | 20              | 60.89                | B    | 12           | 25   | 49       | 30 | 5.20           | 15.44           | 0.48 |                    | PHS 06B-2BH20  |
|       | 21              | 63.91                | B    | 12           | 30   | 52       | 30 | 5.20           | 15.44           | 0.54 |                    | PHS 06B-2BH21  |
|       | 22              | 66.93                | B    | 12           | 28   | 55       | 30 | 5.20           | 15.44           | 0.61 |                    | PHS 06B-2BH22  |
|       | 23              | 69.95                | B    | 12           | 35   | 58       | 30 | 5.20           | 15.44           | 0.67 |                    | PHS 06B-2BH23  |
|       | 24              | 72.97                | B    | 12           | 32   | 61       | 30 | 5.20           | 15.44           | 0.74 |                    | PHS 06B-2BH24  |
|       | 25              | 76.00                | B    | 12           | 40   | 64       | 30 | 5.20           | 15.44           | 0.81 |                    | PHS 06B-2BH25  |
|       | 26              | 79.02                | B    | 12           | 32   | 67       | 30 | 5.20           | 15.44           | 0.92 |                    | PHS 06B-2BH26  |
|       | 27              | 82.05                | B    | 12           | 40   | 70       | 30 | 5.20           | 15.44           | 0.97 |                    | PHS 06B-2BH27  |
|       | 28              | 85.07                | B    | 12           | 32   | 73       | 30 | 5.20           | 15.44           | 1.08 |                    | PHS 06B-2BH28  |
|       | 29              | 88.09                | B    | 12           | 32   | 76       | 30 | 5.20           | 15.44           | 1.15 |                    | PHS 06B-2BH29  |
|       | 30              | 91.12                | B    | 12           | 40   | 79       | 30 | 5.20           | 15.44           | 1.23 |                    | PHS 06B-2BH30  |
|       | 32              | 97.17                | B    | 16           | 52   | 80       | 30 | 5.20           | 15.44           | 1.38 |                    | PHS 06B-2BH32  |
|       | 35              | 106.26               | B    | 16           | 52   | 80       | 30 | 5.20           | 15.44           | 1.61 |                    | PHS 06B-2BH35  |
|       | 36              | 109.29               | B    | 16           | 60   | 90       | 30 | 5.20           | 15.44           | 1.69 |                    | PHS 06B-2BH36  |
|       | 38              | 115.35               | B    | 16           | 50   | 90       | 30 | 5.20           | 15.44           | 1.84 |                    | PHS 06B-2BH38  |
|       | 40              | 121.40               | B    | 16           | 52   | 90       | 30 | 5.20           | 15.44           | 2.00 |                    | PHS 06B-2BH40  |
|       | 42              | 127.46               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 2.15 |                    | PHS 06B-2BH42  |
|       | 45              | 136.55               | B    | 16           | 50   | 90       | 40 | 5.20           | 15.44           | 2.01 |                    | PHS 06B-2BH45  |
|       | 48              | 145.64               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 2.61 |                    | PHS 06B-2BH48  |
|       | 52              | 157.75               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 2.92 |                    | PHS 06B-2BH52  |
|       | 57              | 172.91               | B    | 16           | 50   | 90       | 40 | 5.20           | 15.44           | 2.34 |                    | PHS 06B-2BH57  |
|       | 60              | 182.00               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 3.53 |                    | PHS 06B-2BH60  |
|       | 68              | 206.24               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 4.14 |                    | PHS 06B-2BH68  |
|       | 70              | 212.30               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 4.30 |                    | PHS 06B-2BH70  |
|       | 72              | 218.37               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 4.45 |                    | PHS 06B-2BH72  |
|       | 76              | 230.49               | B    | 16           | 50   | 90       | 40 | 5.20           | 15.44           | 3.35 |                    | PHS 06B-2BH76  |
|       | 84              | 254.74               | B    | 16           | 60   | 90       | 40 | 5.20           | 15.44           | 5.37 |                    | PHS 06B-2BH84  |
|       | 95              | 288.08               | B    | 16           | 62   | 90       | 40 | 5.20           | 15.44           | 6.21 |                    | PHS 06B-2BH95  |
|       | 96              | 291.11               | B    | 16           | 62   | 90       | 40 | 5.20           | 15.44           | 6.29 |                    | PHS 06B-2BH96  |
|       | 114             | 345.68               | B    | 16           | 62   | 90       | 40 | 5.20           | 15.44           | 7.67 |                    | PHS 06B-2BH114 |
| 12.70 | 10              | 41.10                | B    | 10           | 18   | 28       | 32 | 7.24           | 21.13           | 0.15 |                    | PHS 08B-2BH10  |
|       | 11              | 45.07                | B    | 12           | 21   | 32       | 35 | 7.24           | 21.13           | 0.22 |                    | PHS 08B-2BH11  |
|       | 12              | 49.07                | B    | 12           | 19   | 35       | 35 | 7.24           | 21.13           | 0.29 |                    | PHS 08B-2BH12  |
|       | 13              | 53.06                | B    | 12           | 21   | 38       | 35 | 7.24           | 21.13           | 0.36 |                    | PHS 08B-2BH13  |
|       | 14              | 57.07                | B    | 12           | 28   | 42       | 35 | 7.24           | 21.13           | 0.44 |                    | PHS 08B-2BH14  |
|       | 15              | 61.09                | B    | 12           | 28   | 46       | 35 | 7.24           | 21.13           | 0.52 |                    | PHS 08B-2BH15  |
|       | 16              | 65.10                | B    | 14           | 33   | 50       | 35 | 7.24           | 21.13           | 0.61 |                    | PHS 08B-2BH16  |
|       | 17              | 69.11                | B    | 14           | 30   | 54       | 35 | 7.24           | 21.13           | 0.70 |                    | PHS 08B-2BH17  |
|       | 18              | 73.14                | B    | 14           | 38   | 58       | 35 | 7.24           | 21.13           | 0.81 |                    | PHS 08B-2BH18  |
|       | 19              | 77.16                | B    | 14           | 40   | 62       | 35 | 7.24           | 21.13           | 0.91 |                    | PHS 08B-2BH19  |
|       | 20              | 81.19                | B    | 14           | 40   | 66       | 35 | 7.24           | 21.13           | 1.10 |                    | PHS 08B-2BH20  |
|       | 21              | 85.22                | B    | 16           | 40   | 70       | 40 | 7.24           | 21.13           | 1.29 |                    | PHS 08B-2BH21  |
|       | 22              | 89.24                | B    | 16           | 45   | 70       | 40 | 7.24           | 21.13           | 1.37 |                    | PHS 08B-2BH22  |
|       | 23              | 93.27                | B    | 16           | 50   | 70       | 40 | 7.24           | 21.13           | 1.46 |                    | PHS 08B-2BH23  |
|       | 24              | 97.29                | B    | 16           | 50   | 75       | 40 | 7.24           | 21.13           | 1.64 |                    | PHS 08B-2BH24  |

Maximum bores can accommodate standard keyways. Larger bores are available.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2BH12.

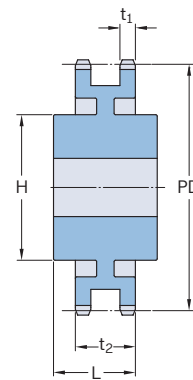


# Metric sprockets, duplex, standard

ISO 12B-2 · 19.05 mm pitch | ISO 16B-2 · 25.40 mm pitch



Type B



Type C

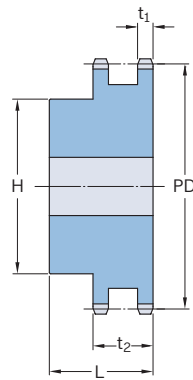
| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions   |      | Hub<br>H | L  | Plate thickness |                | Mass   | Designation   |
|-------|-----------------|----------------------|------|--------------|------|----------|----|-----------------|----------------|--------|---------------|
|       |                 |                      |      | Bore<br>Min. | Max. |          |    | t <sub>1</sub>  | t <sub>2</sub> |        |               |
| mm    | –               | mm                   | –    | mm           |      |          |    |                 |                | kg     | –             |
| 19.05 | 25              | 152.00               | B    | 20           | 60   | 120      | 50 | 10.87           | 30.33          | 5.39   | PHS 12B-2BH25 |
|       | 26              | 158.04               | B    | 20           | 80   | 120      | 50 | 10.87           | 30.33          | 5.74   | PHS 12B-2B26  |
|       | 27              | 164.09               | B    | 20           | 60   | 120      | 50 | 10.87           | 30.33          | 6.09   | PHS 12B-2B27  |
|       | 28              | 170.13               | B    | 20           | 80   | 120      | 50 | 10.87           | 30.33          | 6.45   | PHS 12B-2B28  |
|       | 30              | 182.25               | B    | 20           | 60   | 120      | 50 | 10.87           | 30.33          | 7.17   | PHS 12B-2B30  |
|       | 32              | 194.36               | B    | 20           | 85   | 120      | 50 | 10.87           | 30.33          | 8.41   | PHS 12B-2B32  |
|       | 35              | 212.52               | B    | 20           | 85   | 120      | 50 | 10.87           | 30.33          | 9.70   | PHS 12B-2B35  |
|       | 36              | 218.58               | B    | 25           | 85   | 120      | 50 | 10.87           | 30.33          | 10.12  | PHS 12B-2B36  |
|       | 38              | 230.69               | B    | 25           | 65   | 120      | 50 | 10.87           | 30.33          | 10.98  | PHS 12B-2B38  |
|       | 40              | 242.81               | B    | 25           | 85   | 120      | 50 | 10.87           | 30.33          | 11.84  | PHS 12B-2B40  |
|       | 45              | 273.10               | B    | 25           | 65   | 136      | 62 | 10.87           | 30.33          | 10.58  | PHS 12B-2B45  |
|       | 48              | 291.27               | B    | 25           | 85   | 136      | 62 | 10.87           | 30.33          | 15.26  | PHS 12B-2B48  |
|       | 57              | 345.81               | B    | 25           | 70   | 136      | 62 | 10.87           | 30.33          | 11.72  | PHS 12B-2B57  |
|       | 60              | 363.99               | B    | 25           | 85   | 136      | 62 | 10.87           | 30.33          | 20.40  | PHS 12B-2B60  |
|       | 68              | 412.49               | C    | 25           | 85   | 140      | 63 | 10.87           | 30.33          | 23.83  | PHS 12B-2C68  |
|       | 76              | 460.99               | C    | 25           | 80   | 140      | 63 | 10.87           | 30.33          | 18.50  | PHS 12B-2C76  |
|       | 80              | 485.22               | C    | 25           | 85   | 140      | 63 | 10.87           | 30.33          | 28.97  | PHS 12B-2C80  |
|       | 95              | 576.17               | C    | 25           | 93   | 140      | 63 | 10.87           | 30.33          | 35.39  | PHS 12B-2C95  |
|       | 96              | 582.23               | C    | 25           | 93   | 140      | 63 | 10.87           | 30.33          | 35.82  | PHS 12B-2C96  |
|       | 114             | 691.36               | C    | 25           | 93   | 140      | 63 | 10.87           | 30.33          | 43.53  | PHS 12B-2C114 |
| 25.40 | 11              | 90.14                | B    | 20           | 42   | 64       | 70 | 15.83           | 47.71          | 1.86   | PHS 16B-2BH11 |
|       | 12              | 98.14                | B    | 20           | 45   | 72       | 70 | 15.83           | 47.71          | 2.54   | PHS 16B-2BH12 |
|       | 13              | 106.12               | B    | 20           | 48   | 80       | 70 | 15.83           | 47.71          | 3.22   | PHS 16B-2BH13 |
|       | 14              | 114.15               | B    | 20           | 53   | 88       | 70 | 15.83           | 47.71          | 3.90   | PHS 16B-2BH14 |
|       | 15              | 122.17               | B    | 20           | 58   | 96       | 70 | 15.83           | 47.71          | 4.58   | PHS 16B-2BH15 |
|       | 16              | 130.20               | B    | 20           | 66   | 104      | 70 | 15.83           | 47.71          | 5.35   | PHS 16B-2BH16 |
|       | 17              | 138.22               | B    | 20           | 70   | 112      | 70 | 15.83           | 47.71          | 6.12   | PHS 16B-2BH17 |
|       | 18              | 146.28               | B    | 20           | 80   | 120      | 70 | 15.83           | 47.71          | 7.02   | PHS 16B-2BH18 |
|       | 19              | 154.33               | B    | 20           | 70   | 128      | 70 | 15.83           | 47.71          | 7.91   | PHS 16B-2BH19 |
|       | 20              | 162.38               | B    | 20           | 85   | 130      | 70 | 15.83           | 47.71          | 8.59   | PHS 16B-2BH20 |
|       | 21              | 170.43               | B    | 25           | 75   | 130      | 70 | 15.83           | 47.71          | 9.26   | PHS 16B-2BH21 |
|       | 22              | 178.48               | B    | 25           | 85   | 130      | 70 | 15.83           | 47.71          | 10.05  | PHS 16B-2BH22 |
|       | 23              | 186.53               | B    | 25           | 75   | 130      | 70 | 15.83           | 47.71          | 10.84  | PHS 16B-2BH23 |
|       | 24              | 194.59               | B    | 25           | 85   | 130      | 70 | 15.83           | 47.71          | 11.70  | PHS 16B-2BH24 |
|       | 25              | 202.66               | B    | 25           | 75   | 130      | 70 | 15.83           | 47.71          | 12.56  | PHS 16B-2BH25 |
|       | 26              | 210.72               | B    | 25           | 85   | 130      | 70 | 15.83           | 47.71          | 13.52  | PHS 16B-2B26  |
|       | 27              | 218.79               | B    | 25           | 75   | 130      | 70 | 15.83           | 47.71          | 14.48  | PHS 16B-2B27  |
|       | 28              | 226.85               | B    | 25           | 85   | 130      | 70 | 15.83           | 47.71          | 15.49  | PHS 16B-2B28  |
|       | 29              | 234.92               | B    | 25           | 85   | 130      | 70 | 15.83           | 47.71          | 16.51  | PHS 16B-2B29  |
|       | 30              | 243.00               | B    | 25           | 75   | 130      | 70 | 15.83           | 47.71          | 17.52  | PHS 16B-2B30  |
|       | 32              | 259.13               | B    | 25           | 95   | 140      | 70 | 15.83           | 47.71          | 20.13  | PHS 16B-2B32  |
|       | 35              | 283.36               | B    | 25           | 95   | 140      | 70 | 15.83           | 47.71          | 24.04  | PHS 16B-2B35  |
|       | 36              | 291.44               | B    | 25           | 95   | 140      | 70 | 15.83           | 47.71          | 25.34  | PHS 16B-2B36  |
|       | 38              | 307.59               | B    | 25           | 75   | 140      | 70 | 15.83           | 47.71          | 27.95  | PHS 16B-2B38  |
|       | 42              | 339.90               | B    | 25           | 95   | 140      | 70 | 15.83           | 47.71          | 32.35  | PHS 16B-2B42  |
|       | 45              | 364.13               | C    | 25           | 85   | 140      | 70 | 15.83           | 47.71          | 22.00  | PHS 16B-2C45  |
|       | 57              | 461.07               | C    | 25           | 85   | 150      | 85 | 15.83           | 47.71          | 34.50  | PHS 16B-2C57  |
|       | 60              | 485.32               | C    | 25           | 95   | 150      | 85 | 15.83           | 47.71          | 52.14  | PHS 16B-2C60  |
|       | 68              | 549.98               | C    | 25           | 96   | 160      | 90 | 15.83           | 47.71          | 60.93  | PHS 16B-2C68  |
|       | 76              | 614.65               | C    | 25           | 100  | 160      | 90 | 15.83           | 47.71          | 51.50  | PHS 16B-2C76  |
|       | 80              | 646.96               | C    | 25           | 102  | 160      | 90 | 15.83           | 47.71          | 74.13  | PHS 16B-2C80  |
|       | 95              | 768.22               | C    | 25           | 100  | 160      | 90 | 15.83           | 47.71          | 90.62  | PHS 16B-2C95  |
|       | 114             | 921.81               | C    | 25           | 102  | 160      | 90 | 15.83           | 47.71          | 111.51 | PHS 16B-2C114 |

Maximum bores can accommodate standard keyways. Larger bores are available.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2BH12.

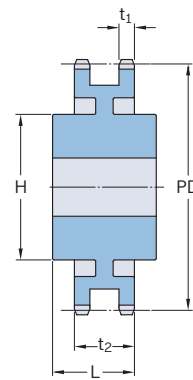


# Metric sprockets, duplex, standard

ISO 28B-2 · 44.45 mm pitch | ISO 32B-2 · 50.80 mm pitch



Type B



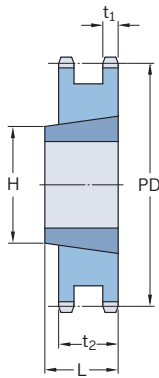
Type C

| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions   |      | Hub<br>H | L   | Plate thickness |                | Mass   | Designation   |
|-------|-----------------|----------------------|------|--------------|------|----------|-----|-----------------|----------------|--------|---------------|
|       |                 |                      |      | Bore<br>Min. | Max. |          |     | t <sub>1</sub>  | t <sub>2</sub> |        |               |
| mm    | –               | mm                   | –    | mm           |      |          |     |                 |                | kg     | –             |
| 44.45 | 15              | 213.79               | B    | 25           | 96   | 145      | 120 | 29.36           | 88.90          | 22.91  | PHS 28B-2BH15 |
|       | 16              | 227.84               | B    | 30           | 108  | 160      | 120 | 29.36           | 88.90          | 26.92  | PHS 28B-2BH16 |
|       | 17              | 241.91               | B    | 30           | 114  | 160      | 120 | 29.36           | 88.90          | 30.83  | PHS 28B-2BH17 |
|       | 18              | 255.98               | B    | 30           | 114  | 160      | 120 | 29.36           | 88.90          | 34.74  | PHS 28B-2BH18 |
|       | 19              | 270.06               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 38.93  | PHS 28B-2BH19 |
|       | 20              | 284.15               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 44.27  | PHS 28B-2BH20 |
|       | 21              | 298.24               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 45.08  | PHS 28B-2BH21 |
|       | 22              | 312.34               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 48.15  | PHS 28B-2BH22 |
|       | 23              | 326.44               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 51.59  | PHS 28B-2BH23 |
|       | 24              | 340.55               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 55.03  | PHS 28B-2BH24 |
|       | 25              | 354.66               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 58.47  | PHS 28B-2BH25 |
|       | 26              | 368.77               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 64.06  | PHS 28B-2B26  |
|       | 28              | 397.00               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 76.05  | PHS 28B-2B28  |
|       | 30              | 425.24               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 89.16  | PHS 28B-2B30  |
|       | 32              | 453.49               | B    | 30           | 133  | 180      | 120 | 29.36           | 88.90          | 103.38 | PHS 28B-2B32  |
|       | 38              | 538.27               | B    | 30           | 133  | 200      | 120 | 29.36           | 88.90          | 97.53  | PHS 28B-2B38  |
|       | 40              | 566.54               | C    | 30           | 137  | 200      | 120 | 29.36           | 88.90          | 109.47 | PHS 28B-2C40  |
|       | 45              | 637.22               | C    | 30           | 137  | 200      | 120 | 29.36           | 88.90          | 137.32 | PHS 28B-2C45  |
|       | 48              | 679.63               | C    | 30           | 137  | 200      | 120 | 29.36           | 88.90          | 153.61 | PHS 28B-2C48  |
|       | 54              | 764.46               | C    | 30           | 162  | 200      | 120 | 29.36           | 88.90          | 204.44 | PHS 28B-2C54  |
|       | 57              | 806.90               | C    | 30           | 162  | 200      | 120 | 29.36           | 88.90          | 210.02 | PHS 28B-2C57  |
|       | 60              | 849.32               | C    | 30           | 162  | 200      | 130 | 29.36           | 88.90          | 230.82 | PHS 28B-2C60  |
|       | 68              | 962.46               | C    | 30           | 162  | 200      | 130 | 29.36           | 88.90          | 273.98 | PHS 28B-2C68  |
|       | 72              | 1019.05              | C    | 30           | 162  | 200      | 130 | 29.36           | 88.90          | 305.70 | PHS 28B-2C72  |
|       | 76              | 1075.62              | C    | 30           | 162  | 200      | 130 | 29.36           | 88.90          | 323.56 | PHS 28B-2C76  |
| 50.80 | 11              | 180.34               | B    | 30           | 80   | 120      | 120 | 28.83           | 87.38          | 10.42  | PHS 32B-2BH11 |
|       | 12              | 196.29               | B    | 30           | 89   | 133      | 120 | 28.83           | 87.38          | 16.32  | PHS 32B-2BH12 |
|       | 13              | 212.29               | B    | 30           | 96   | 145      | 120 | 28.83           | 87.38          | 21.77  | PHS 32B-2BH13 |
|       | 14              | 228.29               | B    | 30           | 103  | 145      | 120 | 28.83           | 87.38          | 26.31  | PHS 32B-2BH14 |
|       | 15              | 244.30               | B    | 30           | 106  | 160      | 120 | 28.83           | 87.38          | 30.84  | PHS 32B-2BH15 |
|       | 16              | 260.40               | B    | 30           | 120  | 160      | 120 | 28.83           | 87.38          | 34.02  | PHS 32B-2BH16 |
|       | 17              | 276.40               | B    | 30           | 120  | 180      | 120 | 28.83           | 87.38          | 41.28  | PHS 32B-2BH17 |
|       | 18              | 292.55               | B    | 30           | 120  | 180      | 120 | 28.83           | 87.38          | 43.55  | PHS 32B-2BH18 |
|       | 19              | 308.66               | B    | 30           | 120  | 200      | 120 | 28.83           | 87.38          | 48.53  | PHS 32B-2BH19 |
|       | 20              | 324.71               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 53.98  | PHS 32B-2BH20 |
|       | 21              | 340.82               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 58.97  | PHS 32B-2BH21 |
|       | 22              | 356.98               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 63.96  | PHS 32B-2BH22 |
|       | 23              | 373.08               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 71.21  | PHS 32B-2BH23 |
|       | 24              | 389.18               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 77.57  | PHS 32B-2BH24 |
|       | 25              | 405.33               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 84.82  | PHS 32B-2BH25 |
|       | 26              | 421.44               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 91.17  | PHS 32B-2B26  |
|       | 28              | 453.69               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 101.13 | PHS 32B-2B28  |
|       | 30              | 486.00               | B    | 30           | 130  | 200      | 120 | 28.83           | 87.38          | 116.57 | PHS 32B-2B30  |
|       | 38              | 615.14               | B    | 30           | 178  | 200      | 120 | 28.83           | 87.38          | 170.25 | PHS 32B-2B38  |
|       | 40              | 647.49               | C    | 30           | 178  | 200      | 120 | 28.83           | 87.38          | 177.46 | PHS 32B-2C40  |
|       | 45              | 728.26               | C    | 30           | 178  | 200      | 120 | 28.83           | 87.38          | 195.50 | PHS 32B-2C45  |
|       | 48              | 776.72               | C    | 30           | 178  | 200      | 120 | 28.83           | 87.38          | 204.51 | PHS 32B-2C48  |
|       | 54              | 873.68               | C    | 30           | 178  | 220      | 120 | 28.83           | 87.38          | 222.53 | PHS 32B-2C54  |
|       | 57              | 922.16               | C    | 30           | 178  | 220      | 120 | 28.83           | 87.38          | 231.54 | PHS 32B-2C57  |
|       | 68              | 1099.96              | C    | 30           | 178  | 220      | 130 | 28.83           | 87.38          | 255.83 | PHS 32B-2C68  |
|       | 76              | 1229.28              | C    | 30           | 178  | 220      | 130 | 28.83           | 87.38          | 292.83 | PHS 32B-2C76  |

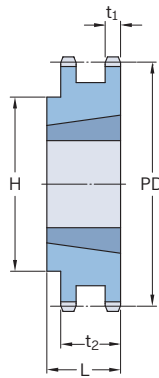
Maximum bores can accommodate standard keyways. Larger bores are available.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2BH12.

# Metric sprockets, duplex, taper bushed

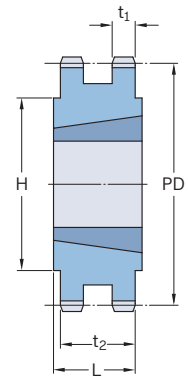
ISO 06B-2 · 9.525 mm pitch | ISO 08B-2 · 12.70 mm pitch



Type A



Type B



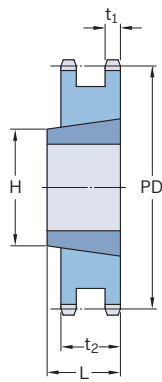
Type C

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |      | L    | H   | Plate thickness t <sub>1</sub> | t <sub>2</sub> | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|-----------------|------|------|-----|--------------------------------|----------------|----------|---------|----------------|
|       |                 |                   |      |                | Min.            | Max. |      |     |                                |                |          |         |                |
| mm    | —               | mm                | —    |                | mm              |      |      |     |                                |                | kg       |         | —              |
| 9.525 | 16              | 48.82             | B    | 1008           | 9               | 25.4 | 22.0 | 41  | 5.20                           | 15.44          | 0.06     | 0.12    | PHS 06B-2TBH16 |
|       | 17              | 51.83             | B    | 1008           | 9               | 25.4 | 22.0 | 41  | 5.20                           | 15.44          | 0.12     | 0.09    | PHS 06B-2TBH17 |
|       | 18              | 54.85             | B    | 1008           | 9               | 25.4 | 22.0 | 45  | 5.20                           | 15.44          | 0.18     | 0.09    | PHS 06B-2TBH18 |
|       | 19              | 57.87             | B    | 1008           | 9               | 25.4 | 22.0 | 46  | 5.20                           | 15.44          | 0.20     | 0.09    | PHS 06B-2TBH19 |
|       | 20              | 60.89             | B    | 1008           | 9               | 25.4 | 22.0 | 48  | 5.20                           | 15.44          | 0.24     | 0.09    | PHS 06B-2TBH20 |
|       | 21              | 63.91             | B    | 1008           | 9               | 25.4 | 22.0 | 49  | 5.20                           | 15.44          | 0.29     | 0.09    | PHS 06B-2TBH21 |
|       | 22              | 66.93             | B    | 1108           | 9               | 25.4 | 22.0 | 52  | 5.20                           | 15.44          | 0.30     | 0.12    | PHS 06B-2TBH22 |
|       | 23              | 69.95             | B    | 1210           | 11              | 31.8 | 25.0 | 59  | 5.20                           | 15.44          | 0.26     | 0.21    | PHS 06B-2TBH23 |
|       | 24              | 72.97             | B    | 1210           | 11              | 31.8 | 25.0 | 63  | 5.20                           | 15.44          | 0.34     | 0.21    | PHS 06B-2TBH24 |
|       | 25              | 76.00             | B    | 1210           | 11              | 31.8 | 25.0 | 64  | 5.20                           | 15.44          | 0.41     | 0.21    | PHS 06B-2TBH25 |
|       | 26              | 79.02             | B    | 1210           | 11              | 31.8 | 25.0 | 65  | 5.20                           | 15.44          | 0.45     | 0.21    | PHS 06B-2TB26  |
|       | 27              | 82.05             | B    | 1210           | 11              | 31.8 | 25.0 | 70  | 5.20                           | 15.44          | 0.50     | 0.21    | PHS 06B-2TB27  |
|       | 28              | 85.07             | B    | 1210           | 11              | 31.8 | 25.0 | 70  | 5.20                           | 15.44          | 0.54     | 0.21    | PHS 06B-2TB28  |
|       | 29              | 88.09             | B    | 1210           | 11              | 31.8 | 25.0 | 70  | 5.20                           | 15.44          | 0.51     | 0.21    | PHS 06B-2TB29  |
|       | 30              | 91.12             | B    | 1210           | 11              | 31.8 | 25.0 | 75  | 5.20                           | 15.44          | 0.61     | 0.21    | PHS 06B-2TB30  |
|       | 32              | 97.17             | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 0.75     | 0.31    | PHS 06B-2TB32  |
|       | 35              | 106.26            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 0.95     | 0.31    | PHS 06B-2TB35  |
|       | 38              | 115.35            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 1.16     | 0.31    | PHS 06B-2TB38  |
|       | 40              | 121.40            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 1.30     | 0.31    | PHS 06B-2TB40  |
|       | 45              | 136.55            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 1.64     | 0.31    | PHS 06B-2TB45  |
|       | 48              | 145.64            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 1.85     | 0.31    | PHS 06B-2TB48  |
|       | 54              | 163.82            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 2.26     | 0.31    | PHS 06B-2TB54  |
|       | 57              | 172.91            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 1.75     | 0.31    | PHS 06B-2TB57  |
|       | 60              | 182.00            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 2.67     | 0.31    | PHS 06B-2TB60  |
|       | 70              | 212.30            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 3.36     | 0.31    | PHS 06B-2TB70  |
|       | 76              | 230.49            | B    | 1610           | 14              | 41.3 | 25.0 | 80  | 5.20                           | 15.44          | 3.19     | 0.31    | PHS 06B-2TB76  |
|       | 95              | 288.08            | B    | 1610           | 14              | 41.3 | 25.0 | 90  | 5.20                           | 15.44          | 5.08     | 0.31    | PHS 06B-2TB95  |
|       | 114             | 345.68            | B    | 1615           | 14              | 50.8 | 38.0 | 95  | 5.20                           | 15.44          | 6.39     | 0.59    | PHS 06B-2TB114 |
| 12.70 | 15              | 61.09             | A    | 1008           | 9               | 25.4 | 22.0 | 46  | 7.00                           | 21.13          | 0.23     | 0.09    | PHS 08B-2TBH15 |
|       | 16              | 65.10             | A    | 1108           | 9               | 28.0 | 22.0 | 50  | 7.00                           | 21.13          | 0.25     | 0.12    | PHS 08B-2TBH16 |
|       | 17              | 69.11             | A    | 1210           | 11              | 31.8 | 25.0 | 56  | 7.00                           | 21.13          | 0.26     | 0.21    | PHS 08B-2TBH17 |
|       | 18              | 73.14             | B    | 1210           | 11              | 31.8 | 25.0 | 60  | 7.00                           | 21.13          | 0.31     | 0.21    | PHS 08B-2TBH18 |
|       | 19              | 77.16             | B    | 1210           | 11              | 31.8 | 25.0 | 62  | 7.00                           | 21.13          | 0.43     | 0.21    | PHS 08B-2TBH19 |
|       | 20              | 81.19             | B    | 1610           | 14              | 41.3 | 25.0 | 68  | 7.00                           | 21.13          | 0.45     | 0.31    | PHS 08B-2TBH20 |
|       | 21              | 85.22             | B    | 1610           | 14              | 41.3 | 25.0 | 70  | 7.00                           | 21.13          | 0.48     | 0.31    | PHS 08B-2TBH21 |
|       | 22              | 89.24             | B    | 1610           | 14              | 41.3 | 25.0 | 76  | 7.00                           | 21.13          | 0.54     | 0.31    | PHS 08B-2TBH22 |
|       | 23              | 93.27             | B    | 1610           | 14              | 41.3 | 25.0 | 79  | 7.00                           | 21.13          | 0.66     | 0.31    | PHS 08B-2TBH23 |
|       | 24              | 97.29             | B    | 1610           | 14              | 50.8 | 32.0 | 84  | 7.00                           | 21.13          | 0.60     | 0.59    | PHS 08B-2TBH24 |
|       | 25              | 101.33            | B    | 2012           | 14              | 50.8 | 32.0 | 87  | 7.00                           | 21.13          | 0.74     | 0.59    | PHS 08B-2TBH25 |
|       | 26              | 105.36            | B    | 2012           | 14              | 50.8 | 32.0 | 87  | 7.00                           | 21.13          | 0.81     | 0.59    | PHS 08B-2TB26  |
|       | 27              | 109.40            | B    | 2012           | 14              | 50.8 | 32.0 | 87  | 7.00                           | 21.13          | 0.92     | 0.59    | PHS 08B-2TB27  |
|       | 28              | 113.42            | B    | 2012           | 14              | 50.8 | 32.0 | 87  | 7.00                           | 21.13          | 1.03     | 0.59    | PHS 08B-2TB28  |
|       | 29              | 117.46            | B    | 2012           | 14              | 50.8 | 32.0 | 87  | 7.00                           | 21.13          | 1.16     | 0.59    | PHS 08B-2TB29  |
|       | 30              | 121.50            | B    | 2012           | 14              | 50.8 | 32.0 | 87  | 7.00                           | 21.13          | 1.25     | 0.59    | PHS 08B-2TB30  |
|       | 35              | 141.68            | B    | 2012           | 14              | 50.8 | 32.0 | 100 | 7.00                           | 21.13          | 1.65     | 0.59    | PHS 08B-2TB35  |
|       | 36              | 145.72            | B    | 2012           | 14              | 50.8 | 32.0 | 100 | 7.00                           | 21.13          | 2.05     | 0.59    | PHS 08B-2TB36  |
|       | 38              | 153.80            | B    | 2012           | 14              | 50.8 | 32.0 | 100 | 7.00                           | 21.13          | 2.53     | 0.59    | PHS 08B-2TB38  |
|       | 42              | 169.94            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.00                           | 21.13          | 3.13     | 1.30    | PHS 08B-2TB42  |
|       | 45              | 182.07            | C    | 2012           | 14              | 50.8 | 32.0 | 100 | 7.00                           | 21.13          | 3.73     | 0.59    | PHS 08B-2TB45  |
|       | 48              | 194.18            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.00                           | 21.13          | 3.84     | 1.30    | PHS 08B-2TB48  |
|       | 54              | 218.42            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.00                           | 21.13          | 3.95     | 1.30    | PHS 08B-2TB54  |
|       | 57              | 230.53            | C    | 2012           | 14              | 50.8 | 32.0 | 100 | 7.00                           | 21.13          | 4.07     | 0.59    | PHS 08B-2TB57  |
|       | 60              | 242.66            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.00                           | 21.13          | 4.20     | 1.30    | PHS 08B-2TB60  |

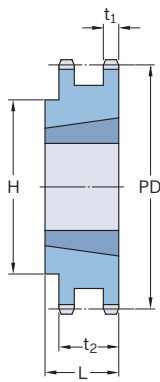
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2TBH16.

# Metric sprockets, duplex, taper bushed

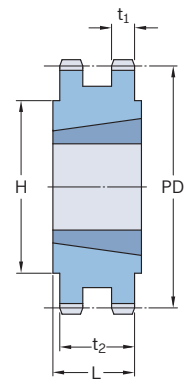
ISO 08B-2 · 12.70 mm pitch | ISO 10B-2 · 15.88 mm pitch | ISO 12B-2 · 19.05 mm pitch



Type A



Type B



Type C

| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |      | L    | H   | Plate thickness |                | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|-----------------|------|------|-----|-----------------|----------------|----------|---------|----------------|
|       |                 |                   |      |                | Min.            | Max. |      |     | t <sub>1</sub>  | t <sub>2</sub> |          |         |                |
| mm    | –               | mm                | –    |                | mm              |      |      |     |                 |                | kg       |         | –              |
| 12.70 | 68              | 274.99            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.0             | 21.13          | 4.33     | 1.30    | PHS 08B-2TB68  |
|       | 70              | 283.07            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.0             | 21.13          | 4.46     | 1.30    | PHS 08B-2TB70  |
|       | 72              | 291.15            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.0             | 21.13          | 4.59     | 1.30    | PHS 08B-2TB72  |
|       | 76              | 307.31            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.0             | 21.13          | 4.72     | 0.59    | PHS 08B-2TB76  |
|       | 84              | 339.65            | C    | 2517           | 16              | 63.5 | 32.0 | 100 | 7.0             | 21.13          | 6.45     | 1.30    | PHS 08B-2TB84  |
|       | 95              | 384.10            | C    | 2517           | 16              | 63.8 | 32.0 | 100 | 7.0             | 21.13          | 8.18     | 0.59    | PHS 08B-2TB95  |
|       | 96              | 388.15            | C    | 2517           | 16              | 63.5 | 32.0 | 110 | 7.0             | 21.13          | 9.00     | 1.30    | PHS 08B-2TB96  |
|       | 114             | 460.90            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 7.0             | 21.13          | 10.50    | 1.30    | PHS 08B-2TB114 |
|       | 14              | 71.34             | A    | 1008           | 9               | 25.4 | 25.5 | –   | 8.97            | 25.22          | 0.43     | 0.09    | PHS 10B-2TBH14 |
|       | 15              | 76.36             | A    | 1210           | 11              | 31.8 | 25.5 | –   | 8.97            | 25.22          | 0.39     | 0.21    | PHS 10B-2TBH15 |
| 15.88 | 16              | 81.37             | A    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.22          | 0.35     | 0.31    | PHS 10B-2TBH16 |
|       | 17              | 86.39             | A    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.22          | 0.46     | 0.31    | PHS 10B-2TBH17 |
|       | 18              | 91.42             | A    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.22          | 0.62     | 0.31    | PHS 10B-2TBH18 |
|       | 19              | 96.45             | A    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.22          | 0.75     | 0.31    | PHS 10B-2TBH19 |
|       | 20              | 101.49            | B    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.55          | 0.87     | 0.31    | PHS 10B-2TBH20 |
|       | 21              | 106.52            | B    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.55          | 1.05     | 0.31    | PHS 10B-2TBH21 |
|       | 22              | 111.55            | B    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.55          | 1.20     | 0.31    | PHS 10B-2TBH22 |
|       | 23              | 116.58            | B    | 1610           | 14              | 41.3 | 25.5 | –   | 8.97            | 25.55          | 1.38     | 0.31    | PHS 10B-2TBH23 |
|       | 24              | 121.62            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 1.43     | 0.59    | PHS 10B-2TBH24 |
|       | 25              | 126.66            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 1.62     | 0.59    | PHS 10B-2TBH25 |
|       | 26              | 131.70            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 1.79     | 0.59    | PHS 10B-2TB26  |
|       | 27              | 136.75            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 2.00     | 0.59    | PHS 10B-2TB27  |
|       | 28              | 141.78            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 2.20     | 0.59    | PHS 10B-2TB28  |
|       | 29              | 146.83            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 2.43     | 0.59    | PHS 10B-2TB29  |
|       | 30              | 151.87            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 8.97            | 25.55          | 2.66     | 0.59    | PHS 10B-2TB30  |
|       | 36              | 182.15            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 4.33     | 1.30    | PHS 10B-2TB36  |
|       | 38              | 192.24            | C    | 2517           | 14              | 50.8 | 45.0 | 110 | 8.97            | 25.55          | 4.88     | 0.59    | PHS 10B-2TB38  |
|       | 42              | 212.44            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 5.99     | 1.30    | PHS 10B-2TB42  |
|       | 45              | 227.58            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 6.83     | 1.30    | PHS 10B-2TB45  |
|       | 48              | 242.73            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 7.66     | 1.30    | PHS 10B-2TB48  |
|       | 57              | 288.18            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 10.15    | 1.30    | PHS 10B-2TB57  |
|       | 60              | 303.32            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 10.99    | 1.30    | PHS 10B-2TB60  |
|       | 68              | 343.74            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 13.21    | 1.30    | PHS 10B-2TB68  |
|       | 76              | 384.16            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 15.43    | 1.30    | PHS 10B-2TB76  |
|       | 84              | 424.57            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 17.65    | 1.30    | PHS 10B-2TB84  |
|       | 95              | 480.14            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 20.70    | 1.30    | PHS 10B-2TB95  |
|       | 114             | 576.13            | C    | 2517           | 16              | 63.5 | 45.0 | 110 | 8.97            | 25.55          | 25.97    | 1.30    | PHS 10B-2TB114 |
| 19.05 | 12              | 73.61             | A    | 1215           | 11              | 31.8 | 30.3 | –   | 10.87           | 30.33          | 0.19     | 0.30    | PHS 12B-2TBH12 |
|       | 13              | 79.59             | A    | 1215           | 14              | 41.3 | 30.3 | –   | 10.87           | 30.33          | 0.36     | 0.30    | PHS 12B-2TBH13 |
|       | 14              | 85.61             | A    | 1215           | 14              | 41.3 | 30.3 | –   | 10.87           | 30.33          | 0.53     | 0.30    | PHS 12B-2TBH14 |
|       | 15              | 91.63             | A    | 1610           | 14              | 41.3 | 30.3 | –   | 10.87           | 30.33          | 0.70     | 0.31    | PHS 12B-2TBH15 |
|       | 16              | 97.65             | A    | 1610           | 14              | 41.3 | 30.3 | –   | 10.87           | 30.33          | 0.87     | 0.31    | PHS 12B-2TBH16 |
|       | 17              | 103.67            | A    | 1610           | 14              | 41.3 | 30.3 | –   | 10.87           | 30.33          | 1.10     | 0.31    | PHS 12B-2TBH17 |
|       | 18              | 109.71            | B    | 2012           | 14              | 50.8 | 31.8 | 90  | 10.87           | 30.33          | 1.05     | 0.59    | PHS 12B-2TBH18 |
|       | 19              | 115.75            | B    | 2012           | 14              | 50.8 | 32.0 | 90  | 10.87           | 30.33          | 1.29     | 0.59    | PHS 12B-2TBH19 |
|       | 20              | 121.78            | B    | 2517           | 16              | 63.5 | 45.0 | 102 | 10.87           | 30.33          | 1.34     | 1.30    | PHS 12B-2TBH20 |
|       | 21              | 127.82            | B    | 2517           | 16              | 63.5 | 45.0 | 108 | 10.87           | 30.33          | 1.71     | 1.30    | PHS 12B-2TBH21 |
|       | 22              | 133.86            | B    | 2517           | 16              | 63.5 | 45.0 | 108 | 10.87           | 30.33          | 2.03     | 1.30    | PHS 12B-2TBH22 |
|       | 23              | 139.90            | B    | 2517           | 16              | 63.5 | 45.0 | 108 | 10.87           | 30.33          | 2.51     | 1.30    | PHS 12B-2TBH23 |
|       | 24              | 145.94            | B    | 2517           | 16              | 63.5 | 45.0 | 108 | 10.87           | 30.33          | 2.58     | 1.30    | PHS 12B-2TBH24 |
|       | 25              | 152.00            | B    | 2517           | 16              | 63.5 | 45.0 | 108 | 10.87           | 30.33          | 3.38     | 1.30    | PHS 12B-2TBH25 |
|       | 26              | 158.04            | B    | 2517           | 16              | 63.5 | 45.0 | 108 | 10.87           | 30.33          | 3.24     | 1.30    | PHS 12B-2TB26  |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2TBH16.

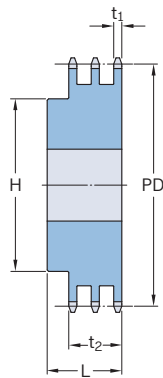
## Metric sprockets, duplex, taper bushed

ISO 12B-2 · 19.05 mm pitch | ISO 16B-2 · 25.40 mm pitch

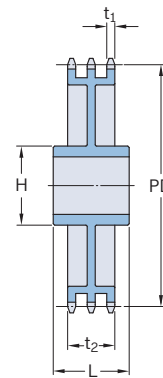
| Pitch | Number of teeth | Pitch diameter PD | Type | Bushing number | Dimensions Bore |       | L     | H   | Plate thickness |                | Mass Rim | Bushing | Designation    |
|-------|-----------------|-------------------|------|----------------|-----------------|-------|-------|-----|-----------------|----------------|----------|---------|----------------|
|       |                 |                   |      |                | Min.            | Max.  |       |     | t <sub>1</sub>  | t <sub>2</sub> |          |         |                |
| mm    | –               | mm                | –    |                | mm              |       |       |     |                 |                | kg       |         | –              |
| 19.05 | 27              | 164.09            | B    | 2517           | 16              | 63.5  | 45.0  | 108 | 10.87           | 30.33          | 4.00     | 1.30    | PHS 12B-2TB27  |
|       | 28              | 170.13            | B    | 2517           | 16              | 63.5  | 45.0  | 108 | 10.87           | 30.33          | 3.92     | 1.30    | PHS 12B-2TB28  |
|       | 30              | 182.25            | B    | 2517           | 16              | 63.5  | 45.0  | 108 | 10.87           | 30.33          | 5.14     | 1.30    | PHS 12B-2TB30  |
|       | 32              | 194.36            | B    | 2517           | 16              | 63.5  | 44.5  | 130 | 10.87           | 30.33          | 5.92     | 1.30    | PHS 12B-2TB32  |
|       | 35              | 212.52            | B    | 2517           | 16              | 63.5  | 44.5  | 130 | 10.87           | 30.33          | 7.08     | 1.30    | PHS 12B-2TB35  |
|       | 38              | 230.69            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 6.95     | 2.24    | PHS 12B-2TB38  |
|       | 40              | 242.81            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 9.03     | 2.24    | PHS 12B-2TB40  |
|       | 42              | 254.93            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 9.81     | 2.24    | PHS 12B-2TB42  |
|       | 45              | 273.10            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 9.33     | 2.24    | PHS 12B-2TB45  |
|       | 54              | 327.64            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 14.47    | 2.24    | PHS 12B-2TB54  |
|       | 57              | 345.81            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 10.50    | 2.24    | PHS 12B-2TB57  |
|       | 60              | 363.99            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 16.80    | 2.24    | PHS 12B-2TB60  |
|       | 65              | 394.29            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 18.75    | 2.24    | PHS 12B-2TB65  |
|       | 70              | 424.60            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 20.69    | 2.24    | PHS 12B-2TB70  |
|       | 76              | 460.99            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 17.06    | 2.24    | PHS 12B-2TB76  |
|       | 84              | 509.48            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 26.13    | 2.24    | PHS 12B-2TB84  |
|       | 95              | 576.17            | C    | 3020           | 25              | 76.2  | 51.0  | 140 | 10.87           | 30.33          | 28.50    | 2.24    | PHS 12B-2TB95  |
|       | 114             | 691.36            | C    | 3020           | 25              | 76.2  | 76.0  | 140 | 10.87           | 30.33          | 37.80    | 2.24    | PHS 12B-2TB114 |
| 25.40 | 13              | 106.12            | A    | 1615           | 14              | 42.0  | 47.7  | –   | 15.83           | 47.71          | 0.51     | 0.59    | PHS 16B-2TBH13 |
|       | 14              | 114.15            | A    | 2012           | 14              | 50.8  | 47.7  | –   | 15.83           | 47.71          | 1.01     | 0.59    | PHS 16B-2TBH14 |
|       | 15              | 122.17            | A    | 2012           | 14              | 50.8  | 47.7  | –   | 15.83           | 47.71          | 2.12     | 0.59    | PHS 16B-2TBH15 |
|       | 16              | 130.20            | A    | 2517           | 16              | 63.5  | 47.7  | –   | 15.83           | 47.71          | 2.01     | 1.30    | PHS 16B-2TBH16 |
|       | 17              | 138.22            | A    | 2517           | 16              | 63.5  | 47.7  | –   | 15.83           | 47.71          | 2.51     | 1.30    | PHS 16B-2TBH17 |
|       | 18              | 146.28            | A    | 2517           | 16              | 63.5  | 47.7  | –   | 15.83           | 47.71          | 3.13     | 1.30    | PHS 16B-2TBH18 |
|       | 19              | 154.33            | A    | 2517           | 16              | 63.5  | 47.7  | –   | 15.83           | 47.71          | 3.76     | 1.30    | PHS 16B-2TBH19 |
|       | 20              | 162.38            | B    | 2517           | 16              | 63.5  | 47.7  | 140 | 15.83           | 47.71          | 4.43     | 1.30    | PHS 16B-2TBH20 |
|       | 21              | 170.43            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 4.13     | 2.24    | PHS 16B-2TBH21 |
|       | 22              | 178.48            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 4.95     | 2.24    | PHS 16B-2TBH22 |
|       | 23              | 186.53            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 5.80     | 2.24    | PHS 16B-2TBH23 |
|       | 24              | 194.59            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 6.68     | 2.24    | PHS 16B-2TBH24 |
|       | 25              | 202.66            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 7.65     | 2.24    | PHS 16B-2TBH25 |
|       | 26              | 210.72            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 8.50     | 2.24    | PHS 16B-2TB26  |
|       | 27              | 218.79            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 9.47     | 2.24    | PHS 16B-2TB27  |
|       | 28              | 226.85            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 10.46    | 2.24    | PHS 16B-2TB28  |
|       | 29              | 234.92            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 11.48    | 2.24    | PHS 16B-2TB29  |
|       | 30              | 243.00            | B    | 3020           | 25              | 76.2  | 51.0  | 140 | 15.83           | 47.71          | 12.50    | 3.04    | PHS 16B-2TB30  |
|       | 35              | 283.36            | C    | 3030           | 35              | 76.2  | 76.0  | 140 | 15.83           | 47.71          | 16.36    | 3.04    | PHS 16B-2TB35  |
|       | 38              | 307.59            | C    | 3030           | 25              | 63.5  | 51.0  | 140 | 15.83           | 47.71          | 13.48    | 3.04    | PHS 16B-2TB38  |
|       | 42              | 339.90            | C    | 3030           | 35              | 76.2  | 76.0  | 140 | 15.83           | 47.71          | 22.52    | 2.24    | PHS 16B-2TB42  |
|       | 45              | 364.13            | C    | 3030           | 35              | 76.2  | 76.0  | 140 | 15.83           | 47.71          | 18.30    | 3.04    | PHS 16B-2TB45  |
|       | 57              | 461.07            | C    | 3525           | 35              | 100.0 | 63.5  | 175 | 15.83           | 47.71          | 27.00    | 3.56    | PHS 16B-2TB57  |
|       | 76              | 614.65            | C    | 3525           | 35              | 100.0 | 63.5  | 175 | 15.83           | 47.71          | 43.50    | 3.56    | PHS 16B-2TB76  |
|       | 95              | 768.22            | C    | 4040           | 40              | 101.6 | 102.0 | 215 | 15.83           | 47.71          | 67.00    | 5.54    | PHS 16B-2TB95  |
|       | 114             | 921.81            | C    | 4040           | 40              | 101.6 | 102.0 | 215 | 15.83           | 47.71          | 85.88    | 5.54    | PHS 16B-2TB114 |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2TBH16.

Metric sprockets, triplex, pilot bore  
ISO 06B-3 · 9.525 mm pitch | ISO 08B-3 · 12.70 mm pitch



Type B



Type C

| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions |      | Hub<br>H | L  | t <sub>1</sub> | Plate thickness |       | Mass | Designation    |
|-------|-----------------|----------------------|------|------------|------|----------|----|----------------|-----------------|-------|------|----------------|
|       |                 |                      |      | Min.       | Max. |          |    |                | t <sub>2</sub>  |       |      |                |
| mm    | –               | mm                   | –    | mm         |      |          |    |                |                 |       | kg   | –              |
| 9.525 | 12              | 36.80                | B    | 10         | 16   | 25       | 35 | 5.20           | 25.70           | 0.23  |      | PHS 06B-3BH12  |
|       | 13              | 39.79                | B    | 10         | 18   | 28       | 35 | 5.20           | 25.70           | 0.27  |      | PHS 06B-3BH13  |
|       | 14              | 42.80                | B    | 12         | 18   | 31       | 35 | 5.20           | 25.70           | 0.32  |      | PHS 06B-3BH14  |
|       | 15              | 45.81                | B    | 12         | 20   | 34       | 35 | 5.20           | 25.70           | 0.36  |      | PHS 06B-3BH15  |
|       | 16              | 48.82                | B    | 12         | 20   | 37       | 35 | 5.20           | 25.70           | 0.45  |      | PHS 06B-3BH16  |
|       | 17              | 51.83                | B    | 12         | 24   | 40       | 35 | 5.20           | 25.70           | 0.54  |      | PHS 06B-3BH17  |
|       | 18              | 54.85                | B    | 12         | 25   | 43       | 35 | 5.20           | 25.70           | 0.64  |      | PHS 06B-3BH18  |
|       | 19              | 57.87                | B    | 12         | 28   | 46       | 35 | 5.20           | 25.70           | 0.72  |      | PHS 06B-3BH19  |
|       | 20              | 60.89                | B    | 12         | 30   | 49       | 35 | 5.20           | 25.70           | 0.77  |      | PHS 06B-3BH20  |
|       | 21              | 63.91                | B    | 14         | 30   | 52       | 40 | 5.20           | 25.70           | 0.86  |      | PHS 06B-3BH21  |
|       | 22              | 66.93                | B    | 14         | 35   | 55       | 40 | 5.20           | 25.70           | 0.95  |      | PHS 06B-3BH22  |
|       | 23              | 69.95                | B    | 14         | 38   | 58       | 40 | 5.20           | 25.70           | 1.04  |      | PHS 06B-3BH23  |
|       | 24              | 72.97                | B    | 14         | 39   | 61       | 40 | 5.20           | 25.70           | 1.18  |      | PHS 06B-3BH24  |
|       | 25              | 76.02                | B    | 14         | 40   | 64       | 40 | 5.20           | 25.70           | 1.27  |      | PHS 06B-3BH25  |
|       | 26              | 79.02                | B    | 14         | 42   | 67       | 40 | 5.20           | 25.70           | 1.31  |      | PHS 06B-3BH26  |
|       | 27              | 82.02                | B    | 14         | 45   | 70       | 40 | 5.20           | 25.70           | 1.36  |      | PHS 06B-3BH27  |
|       | 28              | 85.07                | B    | 14         | 48   | 73       | 40 | 5.20           | 25.70           | 1.50  |      | PHS 06B-3BH28  |
|       | 29              | 88.09                | B    | 14         | 50   | 76       | 40 | 5.20           | 25.70           | 1.68  |      | PHS 06B-3BH29  |
|       | 30              | 91.12                | B    | 14         | 52   | 79       | 40 | 5.20           | 25.70           | 1.72  |      | PHS 06B-3BH30  |
|       | 32              | 97.17                | B    | 16         | 52   | 80       | 40 | 5.20           | 25.70           | 2.00  |      | PHS 06B-3BH32  |
|       | 35              | 106.26               | B    | 16         | 52   | 85       | 40 | 5.20           | 25.70           | 2.25  |      | PHS 06B-3BH35  |
|       | 36              | 109.29               | B    | 16         | 60   | 90       | 40 | 5.20           | 25.70           | 2.33  |      | PHS 06B-3BH36  |
|       | 38              | 115.35               | B    | 16         | 60   | 90       | 40 | 5.20           | 25.70           | 2.49  |      | PHS 06B-3BH38  |
|       | 40              | 121.40               | B    | 16         | 60   | 90       | 40 | 5.20           | 25.70           | 2.65  |      | PHS 06B-3BH40  |
|       | 42              | 127.46               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 2.81  |      | PHS 06B-3BH42  |
|       | 45              | 136.55               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 3.00  |      | PHS 06B-3BH45  |
|       | 48              | 145.64               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 3.20  |      | PHS 06B-3BH48  |
|       | 52              | 157.75               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 3.46  |      | PHS 06B-3BH52  |
|       | 57              | 172.91               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 4.77  |      | PHS 06B-3BH57  |
|       | 60              | 181.99               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 5.02  |      | PHS 06B-3BH60  |
|       | 68              | 206.24               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 5.69  |      | PHS 06B-3BH68  |
|       | 70              | 212.30               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 5.86  |      | PHS 06B-3BH70  |
|       | 72              | 218.37               | B    | 16         | 60   | 90       | 56 | 5.20           | 25.70           | 6.02  |      | PHS 06B-3BH72  |
|       | 76              | 230.49               | B    | 16         | 64   | 90       | 56 | 5.20           | 25.70           | 8.48  |      | PHS 06B-3BH76  |
|       | 84              | 254.74               | B    | 16         | 64   | 90       | 56 | 5.20           | 25.70           | 9.37  |      | PHS 06B-3BH84  |
|       | 95              | 288.08               | B    | 16         | 64   | 90       | 56 | 5.20           | 25.70           | 13.61 |      | PHS 06B-3BH95  |
|       | 96              | 291.11               | B    | 16         | 64   | 90       | 56 | 5.20           | 25.70           | 13.75 |      | PHS 06B-3BH96  |
|       | 114             | 345.69               | B    | 16         | 64   | 90       | 56 | 5.20           | 25.70           | 17.48 |      | PHS 06B-3BH114 |
| 12.70 | 11              | 45.07                | B    | 14         | 22   | 32       | 50 | 7.24           | 35.05           | 0.32  |      | PHS 08B-3BH11  |
|       | 12              | 49.07                | B    | 14         | 24   | 35       | 50 | 7.24           | 35.05           | 0.45  |      | PHS 08B-3BH12  |
|       | 13              | 53.06                | B    | 14         | 25   | 38       | 50 | 7.24           | 35.05           | 0.59  |      | PHS 08B-3BH13  |
|       | 14              | 57.07                | B    | 14         | 28   | 42       | 50 | 7.24           | 35.05           | 0.72  |      | PHS 08B-3BH14  |
|       | 15              | 61.09                | B    | 14         | 31   | 46       | 50 | 7.24           | 35.05           | 0.81  |      | PHS 08B-3BH15  |
|       | 16              | 65.10                | B    | 16         | 35   | 50       | 50 | 7.24           | 35.05           | 0.90  |      | PHS 08B-3BH16  |
|       | 17              | 69.11                | B    | 16         | 36   | 54       | 50 | 7.24           | 35.05           | 1.04  |      | PHS 08B-3BH17  |
|       | 18              | 73.14                | B    | 16         | 38   | 58       | 50 | 7.24           | 35.05           | 1.22  |      | PHS 08B-3BH18  |
|       | 19              | 77.16                | B    | 16         | 40   | 62       | 50 | 7.24           | 35.05           | 1.41  |      | PHS 08B-3BH19  |
|       | 20              | 81.19                | B    | 16         | 40   | 66       | 50 | 7.24           | 35.05           | 1.58  |      | PHS 08B-3BH20  |
|       | 21              | 85.22                | B    | 16         | 45   | 70       | 55 | 7.24           | 35.05           | 1.81  |      | PHS 08B-3BH21  |
|       | 22              | 89.24                | B    | 16         | 45   | 70       | 55 | 7.24           | 35.05           | 2.03  |      | PHS 08B-3BH22  |
|       | 23              | 93.27                | B    | 16         | 45   | 70       | 55 | 7.24           | 35.05           | 2.27  |      | PHS 08B-3BH23  |
|       | 24              | 97.29                | B    | 16         | 50   | 75       | 55 | 7.24           | 35.05           | 2.44  |      | PHS 08B-3BH24  |
|       | 25              | 101.33               | B    | 16         | 52   | 80       | 55 | 7.24           | 35.05           | 2.54  |      | PHS 08B-3BH25  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-3BH12.

# Metric sprockets, triplex, standard

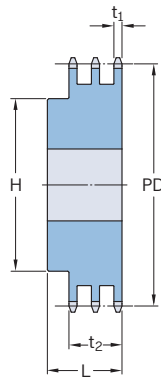
ISO 08B-3 · 12.70 mm pitch | ISO 10B-3 · 15.88 mm pitch | ISO 12B-3 · 19.05 mm pitch

| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions<br>Bore |      | Hub<br>H | L  | Plate thickness<br>t <sub>1</sub> t <sub>2</sub> |       | Mass <sup>1)</sup> | Designation   |
|-------|-----------------|----------------------|------|--------------------|------|----------|----|--------------------------------------------------|-------|--------------------|---------------|
| mm    | –               | mm                   | –    | mm                 | Max. |          |    |                                                  |       | kg                 | –             |
| 12.70 | 26              | 105.36               | B    | 20                 | 56   | 85       | 55 | 7.24                                             | 35.05 | 2.85               | PHS 08B-3B26  |
|       | 27              | 109.40               | B    | 20                 | 56   | 85       | 55 | 7.24                                             | 35.05 | 2.85               | PHS 08B-3B27  |
|       | 28              | 113.42               | B    | 20                 | 60   | 90       | 55 | 7.24                                             | 35.05 | 3.16               | PHS 08B-3B28  |
|       | 29              | 117.46               | B    | 20                 | 62   | 95       | 55 | 7.24                                             | 35.05 | 3.34               | PHS 08B-3B29  |
|       | 30              | 121.50               | B    | 20                 | 64   | 100      | 55 | 7.24                                             | 35.05 | 3.48               | PHS 08B-3B30  |
|       | 35              | 141.68               | B    | 20                 | 73   | 110      | 55 | 7.24                                             | 35.05 | 4.79               | PHS 08B-3B35  |
|       | 36              | 145.72               | B    | 25                 | 80   | 120      | 55 | 7.24                                             | 35.05 | 5.43               | PHS 08B-3B36  |
|       | 38              | 153.80               | B    | 25                 | 80   | 120      | 55 | 7.24                                             | 35.05 | 6.49               | PHS 08B-3B38  |
|       | 42              | 169.95               | B    | 25                 | 80   | 120      | 60 | 7.24                                             | 35.05 | 7.17               | PHS 08B-3B42  |
|       | 45              | 182.07               | B    | 25                 | 80   | 120      | 60 | 7.24                                             | 35.05 | 7.69               | PHS 08B-3B45  |
|       | 48              | 194.18               | B    | 25                 | 80   | 120      | 60 | 7.24                                             | 35.05 | 8.20               | PHS 08B-3B48  |
|       | 52              | 210.34               | B    | 25                 | 80   | 120      | 60 | 7.24                                             | 35.05 | 8.88               | PHS 08B-3B52  |
|       | 54              | 218.43               | B    | 25                 | 80   | 120      | 60 | 7.24                                             | 35.05 | 9.22               | PHS 08B-3B54  |
|       | 57              | 230.54               | B    | 25                 | 80   | 120      | 60 | 7.24                                             | 35.05 | 12.62              | PHS 08B-3B57  |
|       | 60              | 242.66               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 13.84              | PHS 08B-3B60  |
|       | 68              | 274.99               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 15.69              | PHS 08B-3B68  |
|       | 72              | 291.16               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 16.61              | PHS 08B-3B72  |
|       | 76              | 307.33               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 22.23              | PHS 08B-3B76  |
|       | 84              | 339.65               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 24.57              | PHS 08B-3B84  |
|       | 95              | 384.11               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 33.11              | PHS 08B-3B95  |
|       | 114             | 460.90               | B    | 25                 | 85   | 120      | 60 | 7.24                                             | 35.05 | 41.90              | PHS 08B-3B114 |
| 15.88 | 11              | 56.34                | B    | 16                 | 24   | 39       | 55 | 8.97                                             | 42.14 | 0.68               | PHS 10B-3BH11 |
|       | 12              | 61.34                | B    | 16                 | 29   | 44       | 55 | 8.97                                             | 42.14 | 0.82               | PHS 10B-3BH12 |
|       | 13              | 66.32                | B    | 16                 | 34   | 49       | 55 | 8.97                                             | 42.14 | 1.05               | PHS 10B-3BH13 |
|       | 14              | 71.34                | B    | 16                 | 35   | 54       | 55 | 8.97                                             | 42.14 | 1.23               | PHS 10B-3BH14 |
|       | 15              | 76.36                | B    | 16                 | 38   | 59       | 55 | 8.97                                             | 42.14 | 1.36               | PHS 10B-3BH15 |
|       | 16              | 81.37                | B    | 16                 | 42   | 64       | 60 | 8.97                                             | 42.14 | 1.55               | PHS 10B-3BH16 |
|       | 17              | 86.38                | B    | 16                 | 45   | 69       | 60 | 8.97                                             | 42.14 | 1.81               | PHS 10B-3BH17 |
|       | 18              | 91.42                | B    | 16                 | 48   | 74       | 60 | 8.97                                             | 42.14 | 2.09               | PHS 10B-3BH18 |
|       | 19              | 96.45                | B    | 16                 | 52   | 79       | 60 | 8.97                                             | 42.14 | 2.40               | PHS 10B-3BH19 |
|       | 20              | 101.49               | B    | 16                 | 56   | 84       | 60 | 8.97                                             | 42.14 | 2.72               | PHS 10B-3BH20 |
|       | 21              | 106.52               | B    | 20                 | 56   | 85       | 60 | 8.97                                             | 42.14 | 3.04               | PHS 10B-3BH21 |
|       | 22              | 111.55               | B    | 20                 | 60   | 90       | 60 | 8.97                                             | 42.14 | 3.36               | PHS 10B-3BH22 |
|       | 23              | 116.58               | B    | 20                 | 62   | 95       | 60 | 8.97                                             | 42.14 | 3.67               | PHS 10B-3BH23 |
|       | 24              | 121.62               | B    | 20                 | 64   | 100      | 60 | 8.97                                             | 42.14 | 4.00               | PHS 10B-3BH24 |
|       | 25              | 126.66               | B    | 20                 | 68   | 105      | 60 | 8.97                                             | 42.14 | 4.31               | PHS 10B-3BH25 |
|       | 26              | 131.70               | B    | 20                 | 73   | 110      | 60 | 8.97                                             | 42.14 | 5.18               | PHS 10B-3B26  |
|       | 27              | 136.75               | B    | 20                 | 73   | 110      | 60 | 8.97                                             | 42.14 | 5.63               | PHS 10B-3B27  |
|       | 28              | 141.78               | B    | 20                 | 76   | 115      | 60 | 8.97                                             | 42.14 | 6.04               | PHS 10B-3B28  |
|       | 29              | 146.83               | B    | 20                 | 76   | 115      | 60 | 8.97                                             | 42.14 | 6.22               | PHS 10B-3B29  |
|       | 30              | 151.87               | B    | 20                 | 80   | 120      | 60 | 8.97                                             | 42.14 | 6.36               | PHS 10B-3B30  |
|       | 32              | 161.95               | B    | 20                 | 80   | 120      | 60 | 8.97                                             | 42.14 | 7.26               | PHS 10B-3B32  |
|       | 35              | 177.10               | B    | 20                 | 80   | 120      | 60 | 8.97                                             | 42.14 | 8.60               | PHS 10B-3B35  |
|       | 36              | 182.15               | B    | 25                 | 80   | 120      | 60 | 8.97                                             | 42.14 | 9.34               | PHS 10B-3B36  |
|       | 38              | 192.24               | B    | 25                 | 80   | 120      | 60 | 8.97                                             | 42.14 | 11.03              | PHS 10B-3B38  |
|       | 45              | 227.58               | B    | 25                 | 80   | 130      | 60 | 8.97                                             | 42.14 | 14.94              | PHS 10B-3B45  |
|       | 48              | 242.73               | B    | 25                 | 80   | 130      | 60 | 8.97                                             | 42.14 | 16.62              | PHS 10B-3B48  |
|       | 57              | 288.18               | B    | 25                 | 80   | 130      | 64 | 8.97                                             | 42.14 | 21.77              | PHS 10B-3B57  |
|       | 60              | 303.32               | B    | 25                 | 80   | 130      | 67 | 8.97                                             | 42.14 | 22.22              | PHS 10B-3B60  |
|       | 76              | 384.16               | C    | 25                 | 80   | 130      | 67 | 8.97                                             | 42.14 | 23.13              | PHS 10B-3C76  |
|       | 80              | 404.35               | C    | 25                 | 80   | 130      | 67 | 8.97                                             | 42.14 | 25.14              | PHS 10B-3C80  |
|       | 95              | 480.14               | C    | 25                 | 80   | 130      | 67 | 8.97                                             | 42.14 | 32.66              | PHS 10B-3C95  |
|       | 114             | 576.13               | C    | 25                 | 80   | 130      | 67 | 8.97                                             | 42.14 | 44.76              | PHS 10B-3C114 |
| 19.05 | 11              | 67.61                | B    | 20                 | 32   | 47       | 70 | 10.87                                            | 49.78 | 1.13               | PHS 12B-3BH11 |
|       | 12              | 73.61                | B    | 20                 | 36   | 53       | 70 | 10.87                                            | 49.78 | 1.50               | PHS 12B-3BH12 |
|       | 13              | 79.59                | B    | 20                 | 38   | 59       | 70 | 10.87                                            | 49.78 | 1.77               | PHS 12B-3BH13 |
|       | 14              | 85.61                | B    | 20                 | 42   | 65       | 70 | 10.87                                            | 49.78 | 2.04               | PHS 12B-3BH14 |
|       | 15              | 91.63                | B    | 20                 | 45   | 71       | 70 | 10.87                                            | 49.78 | 2.45               | PHS 12B-3BH15 |
|       | 16              | 97.65                | B    | 20                 | 51   | 77       | 70 | 10.87                                            | 49.78 | 2.95               | PHS 12B-3BH16 |
|       | 17              | 103.67               | B    | 20                 | 54   | 83       | 70 | 10.87                                            | 49.78 | 3.49               | PHS 12B-3BH17 |
|       | 18              | 109.71               | B    | 20                 | 60   | 89       | 70 | 10.87                                            | 49.78 | 3.86               | PHS 12B-3BH18 |
|       | 19              | 115.75               | B    | 20                 | 62   | 95       | 70 | 10.87                                            | 49.78 | 4.54               | PHS 12B-3BH19 |
|       | 20              | 121.78               | B    | 20                 | 64   | 100      | 70 | 10.87                                            | 49.78 | 5.08               | PHS 12B-3BH20 |
|       | 21              | 127.82               | B    | 20                 | 64   | 100      | 70 | 10.87                                            | 49.78 | 5.67               | PHS 12B-3BH21 |
|       | 22              | 133.86               | B    | 20                 | 64   | 100      | 70 | 10.87                                            | 49.78 | 5.99               | PHS 12B-3BH22 |
|       | 23              | 139.90               | B    | 20                 | 73   | 110      | 70 | 10.87                                            | 49.78 | 6.62               | PHS 12B-3BH23 |
|       | 24              | 145.94               | B    | 20                 | 73   | 110      | 70 | 10.87                                            | 49.78 | 7.17               | PHS 12B-3BH24 |
|       | 25              | 152.00               | B    | 20                 | 80   | 120      | 70 | 10.87                                            | 49.78 | 7.71               | PHS 12B-3BH25 |
|       | 26              | 158.04               | B    | 20                 | 80   | 120      | 70 | 10.87                                            | 49.78 | 8.44               | PHS 12B-3B26  |
|       | 27              | 164.09               | B    | 20                 | 80   | 120      | 70 | 10.87                                            | 49.78 | 8.99               | PHS 12B-3B27  |
|       | 28              | 170.13               | B    | 20                 | 80   | 120      | 70 | 10.87                                            | 49.78 | 9.49               | PHS 12B-3B28  |
|       | 29              | 176.19               | B    | 20                 | 80   | 120      | 70 | 10.87                                            | 49.78 | 9.99               | PHS 12B-3B29  |
|       | 30              | 182.25               | B    | 20                 | 80   | 120      | 70 | 10.87                                            | 49.78 | 10.53              | PHS 12B-3B30  |

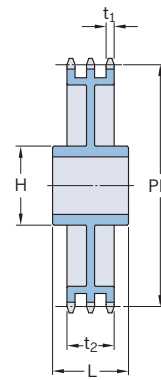
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-3BH12.

# Metric sprockets, triplex, standard

ISO 12B-3 · 19.05 mm pitch | ISO 16B-3 · 25.40 mm pitch | ISO 20B-3 · 31.75 mm pitch



Type B



Type C

| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions   |      | Hub<br>H | L   | Plate thickness |                | Mass   | Designation   |
|-------|-----------------|----------------------|------|--------------|------|----------|-----|-----------------|----------------|--------|---------------|
|       |                 |                      |      | Bore<br>Min. | Max. |          |     | t <sub>1</sub>  | t <sub>2</sub> |        |               |
| mm    | –               | mm                   | –    | mm           |      |          |     |                 |                | kg     | –             |
| 19.05 | 35              | 212.52               | B    | 25           | 85   | 130      | 70  | 10.87           | 49.78          | 18.95  | PHS 12B-3B35  |
|       | 36              | 218.58               | B    | 25           | 85   | 130      | 70  | 10.87           | 49.78          | 19.49  | PHS 12B-3B36  |
|       | 38              | 230.69               | B    | 25           | 85   | 130      | 70  | 10.87           | 49.78          | 20.57  | PHS 12B-3B38  |
|       | 45              | 273.10               | B    | 25           | 85   | 140      | 70  | 10.87           | 49.78          | 24.36  | PHS 12B-3B45  |
|       | 48              | 291.27               | B    | 25           | 85   | 140      | 70  | 10.87           | 49.78          | 25.98  | PHS 12B-3B48  |
|       | 57              | 345.81               | B    | 25           | 82   | 140      | 70  | 10.87           | 49.78          | 33.73  | PHS 12B-3B57  |
|       | 60              | 363.99               | C    | 25           | 82   | 140      | 70  | 10.87           | 49.78          | 35.51  | PHS 12B-3C60  |
|       | 68              | 412.49               | C    | 25           | 82   | 140      | 70  | 10.87           | 49.78          | 40.24  | PHS 12B-3C68  |
|       | 76              | 460.99               | C    | 25           | 95   | 140      | 70  | 10.87           | 49.78          | 37.19  | PHS 12B-3C76  |
|       | 80              | 485.22               | C    | 25           | 95   | 140      | 70  | 10.87           | 49.78          | 39.15  | PHS 12B-3C80  |
| 25.40 | 95              | 576.17               | C    | 25           | 95   | 140      | 70  | 10.87           | 49.78          | 47.63  | PHS 12B-3C95  |
|       | 10              | 90.14                | B    | 20           | 42   | 56       | 95  | 15.82           | 79.58          | 1.85   | PHS 16B-3BH10 |
|       | 11              | 90.14                | B    | 25           | 42   | 64       | 100 | 15.82           | 79.58          | 3.59   | PHS 16B-3BH11 |
|       | 12              | 98.14                | B    | 25           | 45   | 72       | 100 | 15.82           | 79.58          | 3.59   | PHS 16B-3BH12 |
|       | 13              | 106.12               | B    | 25           | 52   | 80       | 100 | 15.82           | 79.58          | 4.13   | PHS 16B-3BH13 |
|       | 14              | 114.15               | B    | 25           | 58   | 88       | 100 | 15.82           | 79.58          | 4.68   | PHS 16B-3BH14 |
|       | 15              | 122.17               | B    | 25           | 62   | 96       | 100 | 15.82           | 79.58          | 5.54   | PHS 16B-3BH15 |
|       | 16              | 130.20               | B    | 25           | 66   | 104      | 100 | 15.82           | 79.58          | 6.81   | PHS 16B-3BH16 |
|       | 17              | 138.22               | B    | 25           | 74   | 112      | 100 | 15.82           | 79.58          | 8.07   | PHS 16B-3BH17 |
|       | 18              | 146.28               | B    | 25           | 80   | 120      | 100 | 15.82           | 79.58          | 9.99   | PHS 16B-3BH18 |
|       | 19              | 154.33               | B    | 25           | 84   | 128      | 100 | 15.82           | 79.58          | 10.89  | PHS 16B-3BH19 |
|       | 20              | 162.38               | B    | 25           | 85   | 130      | 100 | 15.82           | 79.58          | 11.80  | PHS 16B-3BH20 |
|       | 21              | 170.43               | B    | 25           | 85   | 130      | 100 | 15.82           | 79.58          | 13.61  | PHS 16B-3BH21 |
|       | 22              | 178.48               | B    | 25           | 85   | 130      | 100 | 15.82           | 79.58          | 14.07  | PHS 16B-3BH22 |
|       | 23              | 186.53               | B    | 25           | 85   | 130      | 100 | 15.82           | 79.58          | 14.97  | PHS 16B-3BH23 |
|       | 24              | 194.59               | B    | 25           | 85   | 130      | 100 | 15.82           | 79.58          | 16.34  | PHS 16B-3BH24 |
|       | 25              | 202.66               | B    | 25           | 85   | 130      | 100 | 15.82           | 79.58          | 17.70  | PHS 16B-3BH25 |
|       | 26              | 210.72               | B    | 30           | 85   | 130      | 100 | 15.82           | 79.58          | 19.98  | PHS 16B-3B26  |
|       | 27              | 218.79               | B    | 30           | 85   | 130      | 100 | 15.82           | 79.58          | 21.57  | PHS 16B-3B27  |
|       | 28              | 226.85               | B    | 30           | 85   | 130      | 100 | 15.82           | 79.58          | 23.15  | PHS 16B-3B28  |
|       | 29              | 234.92               | B    | 30           | 85   | 130      | 100 | 15.82           | 79.58          | 24.74  | PHS 16B-3B29  |
|       | 30              | 243.00               | B    | 30           | 95   | 136      | 100 | 15.82           | 79.58          | 26.33  | PHS 16B-3B30  |
|       | 35              | 283.36               | B    | 30           | 95   | 140      | 100 | 15.82           | 79.58          | 36.06  | PHS 16B-3B35  |
|       | 36              | 291.44               | B    | 30           | 95   | 140      | 100 | 15.82           | 79.58          | 38.06  | PHS 16B-3B36  |
|       | 38              | 307.59               | C    | 30           | 97   | 140      | 100 | 15.82           | 79.58          | 38.22  | PHS 16B-3C38  |
|       | 42              | 339.89               | C    | 30           | 97   | 160      | 100 | 15.82           | 79.58          | 38.51  | PHS 16B-3C42  |
|       | 45              | 364.13               | C    | 30           | 97   | 160      | 100 | 15.82           | 79.58          | 41.77  | PHS 16B-3C45  |
|       | 57              | 461.07               | C    | 30           | 107  | 180      | 110 | 15.82           | 79.58          | 54.80  | PHS 16B-3C57  |
|       | 60              | 485.32               | C    | 30           | 107  | 180      | 110 | 15.82           | 79.58          | 58.06  | PHS 16B-3C60  |
|       | 68              | 549.98               | C    | 30           | 107  | 180      | 110 | 15.82           | 79.58          | 63.50  | PHS 16B-3C68  |
|       | 76              | 614.65               | C    | 30           | 107  | 180      | 110 | 15.82           | 79.58          | 74.52  | PHS 16B-3C76  |
|       | 95              | 768.22               | C    | 30           | 114  | 180      | 110 | 15.82           | 79.58          | 100.70 | PHS 16B-3C95  |
|       | 114             | 921.81               | C    | 30           | 114  | 180      | 110 | 15.82           | 79.58          | 120.84 | PHS 16B-3C114 |
| 31.75 | 10              | 102.75               | B    | 20           | 47   | 70       | 110 | 18.19           | 91.08          | 3.95   | PHS 20B-3BH10 |
|       | 11              | 112.70               | B    | 20           | 52   | 80       | 115 | 18.19           | 91.08          | 5.26   | PHS 20B-3BH11 |
|       | 12              | 122.67               | B    | 20           | 60   | 90       | 115 | 18.19           | 91.08          | 6.21   | PHS 20B-3BH12 |
|       | 13              | 132.67               | B    | 20           | 64   | 100      | 115 | 18.19           | 91.08          | 9.26   | PHS 20B-3BH13 |
|       | 14              | 142.68               | B    | 20           | 73   | 110      | 115 | 18.19           | 91.08          | 9.76   | PHS 20B-3BH14 |
|       | 15              | 152.71               | B    | 20           | 80   | 120      | 115 | 18.19           | 91.08          | 10.81  | PHS 20B-3BH15 |
|       | 16              | 162.75               | B    | 25           | 80   | 120      | 115 | 18.19           | 91.08          | 12.76  | PHS 20B-3BH16 |
|       | 17              | 172.79               | B    | 25           | 80   | 120      | 115 | 18.19           | 91.08          | 14.76  | PHS 20B-3BH17 |
|       | 18              | 182.84               | B    | 25           | 80   | 120      | 115 | 18.19           | 91.08          | 16.71  | PHS 20B-3BH18 |
|       | 19              | 192.90               | B    | 25           | 80   | 120      | 115 | 18.19           | 91.08          | 19.13  | PHS 20B-3BH19 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-3BH12.

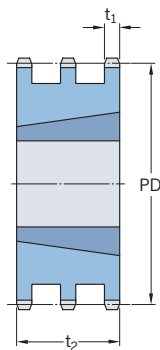
**Metric sprockets, triplex, standard**  
ISO 20B-3 · 31.75 mm pitch

| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Dimensions<br>Bore |      | Hub<br>H | L   | Plate thickness |                | Mass <sup>1)</sup> | Designation    |
|-------|-----------------|----------------------|------|--------------------|------|----------|-----|-----------------|----------------|--------------------|----------------|
|       |                 |                      |      | Min.               | Max. |          |     | t <sub>1</sub>  | t <sub>2</sub> |                    |                |
| mm    | —               | mm                   | —    | mm                 |      |          |     |                 |                | kg                 | —              |
| 31.75 | 20              | 202.96               | B    | 25                 | 80   | 120      | 115 | 18.19           | 91.08          | 21.57              | PHS 20B-3BH20  |
|       | 21              | 213.03               | B    | 25                 | 92   | 140      | 115 | 18.19           | 91.08          | 23.36              | PHS 20B-3BH21  |
|       | 22              | 223.10               | B    | 25                 | 92   | 140      | 115 | 18.19           | 91.08          | 25.65              | PHS 20B-3BH22  |
|       | 23              | 233.17               | B    | 25                 | 92   | 140      | 115 | 18.19           | 91.08          | 27.90              | PHS 20B-3BH23  |
|       | 24              | 243.25               | B    | 25                 | 95   | 140      | 115 | 18.19           | 91.08          | 27.19              | PHS 20B-3BH24  |
|       | 25              | 253.32               | B    | 25                 | 95   | 140      | 115 | 18.19           | 91.08          | 27.90              | PHS 20B-3BH25  |
|       | 26              | 263.41               | B    | 25                 | 95   | 150      | 115 | 18.19           | 91.08          | 31.90              | PHS 20B-3BH26  |
|       | 27              | 273.49               | B    | 25                 | 95   | 150      | 115 | 18.19           | 91.08          | 35.90              | PHS 20B-3BH27  |
|       | 28              | 283.57               | B    | 25                 | 95   | 150      | 115 | 18.19           | 91.08          | 39.90              | PHS 20B-3BH28  |
|       | 30              | 303.75               | B    | 25                 | 95   | 150      | 115 | 18.19           | 91.08          | 47.90              | PHS 20B-3BH30  |
|       | 32              | 323.92               | B    | 30                 | 95   | 150      | 115 | 18.19           | 91.08          | 51.57              | PHS 20B-3BH32  |
|       | 35              | 354.20               | C    | 30                 | 97   | 150      | 115 | 18.19           | 91.08          | 57.29              | PHS 20B-3BH35  |
|       | 36              | 364.29               | C    | 30                 | 97   | 150      | 115 | 18.19           | 91.08          | 59.35              | PHS 20B-3BH36  |
|       | 38              | 384.48               | C    | 30                 | 97   | 150      | 115 | 18.19           | 91.08          | 62.56              | PHS 20B-3BH38  |
|       | 42              | 424.86               | C    | 30                 | 97   | 160      | 110 | 18.19           | 91.08          | 70.12              | PHS 20B-3BH42  |
|       | 45              | 455.15               | C    | 30                 | 97   | 160      | 110 | 18.19           | 91.08          | 75.84              | PHS 20B-3BH45  |
|       | 57              | 576.35               | C    | 30                 | 102  | 180      | 123 | 18.19           | 91.08          | 100.11             | PHS 20B-3BH57  |
|       | 60              | 606.66               | C    | 30                 | 102  | 180      | 123 | 18.19           | 91.08          | 104.86             | PHS 20B-3BH60  |
|       | 68              | 687.48               | C    | 30                 | 102  | 200      | 123 | 18.19           | 91.08          | 117.54             | PHS 20B-3BH68  |
|       | 76              | 768.30               | C    | 30                 | 102  | 200      | 123 | 18.19           | 91.08          | 130.21             | PHS 20B-3BH76  |
|       | 80              | 808.71               | C    | 30                 | 102  | 200      | 123 | 18.19           | 91.08          | 136.55             | PHS 20B-3BH80  |
|       | 95              | 960.28               | C    | 30                 | 102  | 200      | 123 | 18.19           | 91.08          | 160.31             | PHS 20B-3BH95  |
|       | 114             | 1152.27              | C    | 30                 | 102  | 200      | 126 | 18.19           | 91.08          | 190.41             | PHS 20B-3BH114 |

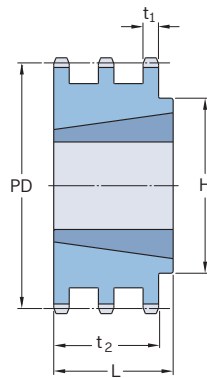
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-3BH12.

# Metric sprockets, triplex, taper bushed

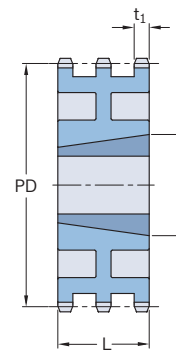
ISO 12B-3 · 19.05 mm pitch | ISO 16B-3 · 25.40 mm pitch



Type A



Type B



Type C

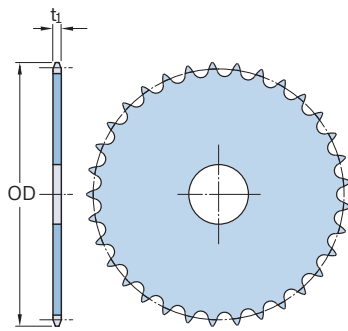
| Pitch | Number of teeth | Pitch diameter<br>PD | Type | Bushing number | Dimensions |      | L   | H     | Plate thickness |                | Mass   | Designation    |
|-------|-----------------|----------------------|------|----------------|------------|------|-----|-------|-----------------|----------------|--------|----------------|
|       |                 |                      |      |                | Bore       |      |     |       | t <sub>1</sub>  | t <sub>2</sub> |        |                |
| mm    | —               | mm                   | —    |                | Min.       | Max. |     |       |                 |                | kg     | —              |
| 19.05 | 17              | 103.67               | A    | 2012           | 14         | 50   | —   | —     | 10.87           | 49.78          | 1.28   | PHS 12B-3TBH17 |
|       | 19              | 115.75               | A    | 2517           | 16         | 65   | —   | —     | 10.87           | 49.78          | 2.02   | PHS 12B-3TBH19 |
|       | 21              | 127.82               | A    | 2517           | 16         | 65   | —   | —     | 10.87           | 49.78          | 2.09   | PHS 12B-3TBH21 |
|       | 23              | 139.90               | A    | 2517           | 16         | 65   | —   | —     | 10.87           | 49.78          | 3.00   | PHS 12B-3TBH23 |
|       | 25              | 152.00               | A    | 3020           | 25         | 75   | —   | —     | 10.87           | 49.78          | 3.97   | PHS 12B-3TBH25 |
|       | 27              | 164.09               | B    | 3020           | 25         | 75   | 140 | 51.0  | 10.87           | 49.78          | 3.83   | PHS 12B-3TB27  |
|       | 30              | 182.25               | B    | 3020           | 25         | 75   | 140 | 51.0  | 10.87           | 49.78          | 5.72   | PHS 12B-3TB30  |
|       | 38              | 230.69               | B    | 3020           | 25         | 75   | 140 | 51.0  | 10.87           | 49.78          | 7.76   | PHS 12B-3TB38  |
|       | 45              | 273.10               | C    | 3020           | 25         | 75   | 140 | 51.0  | 10.87           | 49.78          | 10.04  | PHS 12B-3TB45  |
|       | 57              | 345.81               | C    | 3020           | 25         | 75   | 140 | 51.0  | 10.87           | 49.78          | 14.42  | PHS 12B-3TB57  |
|       | 76              | 460.99               | C    | 3020           | 25         | 75   | 140 | 51.0  | 10.87           | 49.78          | 25.50  | PHS 12B-3TB76  |
|       | 95              | 576.17               | C    | 3030           | 25         | 75   | 140 | 76.0  | 10.87           | 49.78          | 36.58  | PHS 12B-3TB95  |
|       | 114             | 691.36               | C    | 3030           | 25         | 75   | 140 | 76.0  | 10.87           | 49.78          | 47.66  | PHS 12B-3TB114 |
|       | 114             | 691.36               | C    | 3030           | 25         | 75   | 140 | 76.0  | 10.87           | 49.78          | 47.66  | PHS 12B-3TB114 |
| 25.40 | 17              | 138.22               | A    | 2517           | 16         | 65   | —   | —     | 15.82           | 79.58          | 4.20   | PHS 16B-3TBH17 |
|       | 19              | 154.33               | B    | 3020           | 35         | 75   | —   | 76.2  | 15.82           | 79.58          | 4.30   | PHS 16B-3TBH19 |
|       | 21              | 170.43               | B    | 3020           | 35         | 75   | —   | 76.2  | 15.82           | 79.58          | 6.60   | PHS 16B-3TBH21 |
|       | 23              | 186.53               | B    | 3525           | 35         | 100  | —   | 65.0  | 15.82           | 79.58          | 7.00   | PHS 16B-3TBH23 |
|       | 25              | 202.66               | B    | 3525           | 35         | 100  | —   | 65.0  | 15.82           | 79.58          | 9.80   | PHS 16B-3TBH25 |
|       | 27              | 218.79               | B    | 3525           | 35         | 100  | —   | 65.0  | 15.82           | 79.58          | 12.80  | PHS 16B-3TB27  |
|       | 30              | 243.00               | B    | 3525           | 35         | 100  | —   | 65.0  | 15.82           | 79.58          | 18.00  | PHS 16B-3TB30  |
|       | 38              | 307.59               | B    | 3535           | 35         | 100  | 178 | 89.0  | 15.82           | 79.58          | 21.50  | PHS 16B-3TB38  |
|       | 45              | 364.13               | C    | 4040           | 40         | 115  | 216 | 102.0 | 15.82           | 79.58          | 33.50  | PHS 16B-3TB45  |
|       | 57              | 461.07               | C    | 4040           | 40         | 115  | 216 | 102.0 | 15.82           | 79.58          | 39.50  | PHS 16B-3TB57  |
|       | 76              | 614.65               | C    | 4040           | 40         | 115  | 216 | 102.0 | 15.82           | 79.58          | 59.50  | PHS 16B-3TB76  |
|       | 95              | 779.75               | C    | 4040           | 40         | 115  | 216 | 102.0 | 15.82           | 79.58          | 89.50  | PHS 16B-3TB95  |
|       | 114             | 914.85               | C    | 4040           | 40         | 115  | 216 | 102.0 | 15.82           | 79.58          | 119.50 | PHS 16B-3TB114 |
|       | 133             | 1050.00              | C    | 4040           | 40         | 115  | 216 | 102.0 | 15.82           | 79.58          | 149.50 | PHS 16B-3TB133 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.

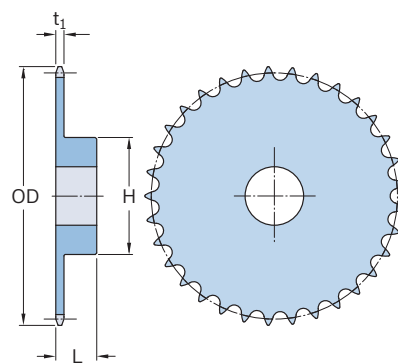
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 12B-3TBH17.

ANSI sprockets, simplex, pilot bore  
ANSI 25-1 · 6.35 mm (1/4") pitch



Type A



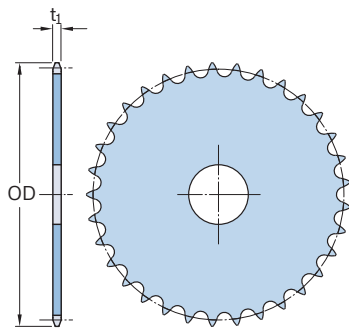
Type B

| Pitch |     | Number of teeth | Outside diameter<br>OD | Type | Dimensions         |              |       | Hub<br>H | L     | Plate thickness<br>t <sub>1</sub> | Mass | Designation |
|-------|-----|-----------------|------------------------|------|--------------------|--------------|-------|----------|-------|-----------------------------------|------|-------------|
| mm    | in. |                 |                        |      | Bore stock<br>Min. | Bore<br>Min. | Max.  |          |       |                                   | kg   |             |
| 6.35  | 1/4 | 9               | 21.34                  | B    | —                  | 6.35         | 6.35  | 11.11    | 12.70 | 2.790                             | 0.01 | PHS 25-1B9  |
|       |     | 10              | 23.37                  | B    | —                  | 6.35         | 6.35  | 12.70    | 12.70 | 2.790                             | 0.01 | PHS 25-1B10 |
|       |     | 11              | 25.40                  | B    | —                  | 6.35         | 7.94  | 14.29    | 12.70 | 2.790                             | 0.02 | PHS 25-1B11 |
|       |     | 12              | 27.43                  | B    | —                  | 6.35         | 9.53  | 15.88    | 12.70 | 2.790                             | 0.03 | PHS 25-1B12 |
|       |     | 13              | 29.72                  | B    | —                  | 6.35         | 11.11 | 18.26    | 12.70 | 2.790                             | 0.03 | PHS 25-1B13 |
|       |     | 14              | 31.75                  | B    | —                  | 6.35         | 14.29 | 20.64    | 12.70 | 2.790                             | 0.04 | PHS 25-1B14 |
|       |     | 15              | 33.78                  | B    | —                  | 6.35         | 14.29 | 22.62    | 12.70 | 2.790                             | 0.05 | PHS 25-1B15 |
|       |     | 16              | 35.81                  | B    | —                  | 6.35         | 14.29 | 24.61    | 12.70 | 2.790                             | 0.05 | PHS 25-1B16 |
|       |     | 17              | 37.85                  | B    | —                  | 6.35         | 15.88 | 26.19    | 12.70 | 2.790                             | 0.06 | PHS 25-1B17 |
|       |     | 18              | 39.88                  | A    | 6.35               | —            | —     | —        | —     | 2.790                             | 0.02 | PHS 25-1A18 |
|       |     |                 | 39.88                  | B    | —                  | 6.35         | 19.05 | 28.58    | 12.70 | 2.790                             | 0.07 | PHS 25-1B18 |
|       |     | 19              | 41.91                  | A    | 6.35               | —            | —     | —        | —     | 2.790                             | 0.02 | PHS 25-1A19 |
|       |     |                 | 41.91                  | B    | —                  | 6.35         | 20.64 | 30.96    | 12.70 | 2.790                             | 0.09 | PHS 25-1B19 |
|       |     | 20              | 43.94                  | A    | 6.35               | —            | —     | —        | —     | 2.790                             | 0.02 | PHS 25-1A20 |
|       |     |                 | 43.94                  | B    | —                  | 6.35         | 22.23 | 32.54    | 15.88 | 2.790                             | 0.11 | PHS 25-1B20 |
|       |     | 21              | 45.97                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.02 | PHS 25-1A21 |
|       |     |                 | 45.97                  | B    | —                  | 6.35         | 22.23 | 34.93    | 15.88 | 2.790                             | 0.13 | PHS 25-1B21 |
|       |     | 22              | 48.01                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.03 | PHS 25-1A22 |
|       |     |                 | 48.01                  | B    | —                  | 6.35         | 23.81 | 36.51    | 15.88 | 2.790                             | 0.14 | PHS 25-1B22 |
|       |     | 23              | 50.04                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.03 | PHS 25-1A23 |
|       |     |                 | 50.04                  | B    | —                  | 6.35         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.15 | PHS 25-1B23 |
|       |     | 24              | 52.07                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.04 | PHS 25-1A24 |
|       |     |                 | 52.07                  | B    | —                  | 9.53         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.15 | PHS 25-1B24 |
|       |     | 25              | 54.10                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.04 | PHS 25-1A25 |
|       |     |                 | 54.10                  | B    | —                  | 9.53         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.15 | PHS 25-1B25 |
|       |     | 26              | 56.13                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.04 | PHS 25-1A26 |
|       |     |                 | 56.13                  | B    | —                  | 9.53         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.16 | PHS 25-1B26 |
|       |     | 28              | 60.20                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.05 | PHS 25-1A28 |
|       |     |                 | 60.20                  | B    | —                  | 9.53         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.16 | PHS 25-1B28 |
|       |     | 30              | 64.26                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.05 | PHS 25-1A30 |
|       |     |                 | 64.26                  | B    | —                  | 9.53         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.17 | PHS 25-1B30 |
|       |     | 32              | 68.33                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.06 | PHS 25-1A32 |
|       |     |                 | 68.33                  | B    | —                  | 9.53         | 25.40 | 38.10    | 15.88 | 2.790                             | 0.18 | PHS 25-1B32 |
|       |     | 35              | 74.42                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.07 | PHS 25-1A35 |
|       |     | 36              | 76.45                  | A    | 9.53               | —            | —     | —        | —     | 2.790                             | 0.08 | PHS 25-1A36 |
|       |     |                 | 76.45                  | B    | —                  | 9.53         | 25.40 | 38.10    | 19.05 | 2.790                             | 0.23 | PHS 25-1B36 |
|       |     | 40              | 84.58                  | A    | 12.70              | —            | —     | —        | —     | 2.790                             | 0.09 | PHS 25-1A40 |
|       |     |                 | 84.58                  | B    | —                  | 12.70        | 34.93 | 50.80    | 19.05 | 2.790                             | 0.24 | PHS 25-1B40 |
|       |     | 42              | 88.65                  | A    | 12.70              | —            | —     | —        | —     | 2.790                             | 0.11 | PHS 25-1A42 |

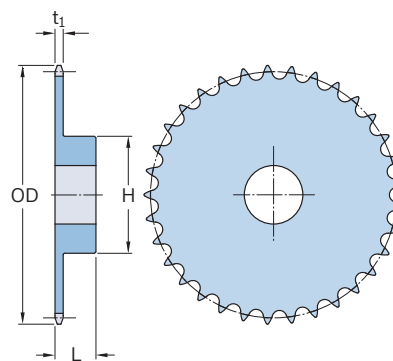
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All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

ANSI 25-1 · 6.35 mm (1/4") pitch | ANSI 35-1 · 9.53 mm (3/8") pitch



Type A



Type B

| Pitch |     | Number of teeth | Outside diameter<br>OD | Type   | Dimensions            |              |            | Hub<br>H   | L          | Plate thickness<br>t <sub>1</sub> | Mass         | Designation                 |
|-------|-----|-----------------|------------------------|--------|-----------------------|--------------|------------|------------|------------|-----------------------------------|--------------|-----------------------------|
| mm    | in. |                 |                        |        | Bore<br>stock<br>Min. | Bore<br>Min. | Max.       |            |            |                                   |              |                             |
| 6.35  | 1/4 | 45              | 94.74<br>94.74         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>19.05 | 2.790<br>2.790                    | 0.11<br>0.25 | PHS 25-1A45<br>PHS 25-1B45  |
|       |     | 48              | 100.58<br>100.58       | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>19.05 | 2.790<br>2.790                    | 0.15<br>0.25 | PHS 25-1A48<br>PHS 25-1B48  |
|       |     | 54              | 112.78<br>112.78       | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>19.05 | 2.790<br>2.790                    | 0.17<br>0.45 | PHS 25-1A54<br>PHS 25-1B54  |
|       |     | 60              | 124.97<br>124.97       | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>19.05 | 2.790<br>2.790                    | 0.24<br>0.50 | PHS 25-1A60<br>PHS 25-1B60  |
|       |     | 70              | 145.29                 | B      | —                     | 12.70        | 34.93      | 50.80      | 19.05      | 2.790                             | 0.57         | PHS 25-1B70                 |
|       |     | 72              | 149.35<br>149.35       | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>19.05 | 2.790<br>2.790                    | 0.34<br>0.59 | PHS 25-1A72<br>PHS 25-1B72  |
| 9.53  | 3/8 | 8               | 28.70                  | B      | —                     | 9.53         | 9.53       | 19.05      | 19.05      | 4.270                             | 0.03         | PHS 35-1BH8                 |
|       |     | 9               | 32.00                  | B      | —                     | 9.53         | 9.53       | 21.43      | 19.05      | 4.270                             | 0.04         | PHS 35-1BH9                 |
|       |     | 10              | 35.05                  | B      | —                     | 9.53         | 14.29      | 24.61      | 19.05      | 4.270                             | 0.06         | PHS 35-1BH10                |
|       |     | 11              | 38.10                  | B      | —                     | 9.53         | 14.29      | 26.99      | 19.05      | 4.270                             | 0.08         | PHS 35-1BH11                |
|       |     | 12              | 41.40                  | B      | —                     | 12.70        | 14.29      | 30.96      | 19.05      | 4.270                             | 0.09         | PHS 35-1BH12                |
|       |     | 13              | 44.45                  | B      | —                     | 12.70        | 17.46      | 31.75      | 19.05      | 4.270                             | 0.10         | PHS 35-1BH13                |
|       |     | 14              | 47.50                  | B      | —                     | 12.70        | 22.23      | 31.75      | 19.05      | 4.270                             | 0.11         | PHS 35-1BH14                |
|       |     | 15              | 50.55<br>50.55         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>22.23 | —<br>34.13 | —<br>19.05 | 4.270<br>4.270                    | 0.05<br>0.13 | PHS 35-1A15<br>PHS 35-1BH15 |
|       |     | 16              | 53.59<br>53.59         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>23.81 | —<br>37.31 | —<br>19.05 | 4.270<br>4.270                    | 0.05<br>0.16 | PHS 35-1A16<br>PHS 35-1BH16 |
|       |     | 17              | 56.64<br>56.64         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>26.99 | —<br>40.48 | —<br>19.05 | 4.270<br>4.270                    | 0.05<br>0.19 | PHS 35-1A17<br>PHS 35-1BH17 |
|       |     | 18              | 59.69<br>59.69         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>30.16 | —<br>43.66 | —<br>19.05 | 4.270<br>4.270                    | 0.06<br>0.22 | PHS 35-1A18<br>PHS 35-1BH18 |
|       |     | 19              | 62.74<br>62.74         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>31.75 | —<br>46.83 | —<br>19.05 | 4.270<br>4.270                    | 0.07<br>0.24 | PHS 35-1A19<br>PHS 35-1BH19 |
|       |     | 20              | 65.79<br>65.79         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>33.34 | —<br>49.21 | —<br>19.05 | 4.270<br>4.270                    | 0.09<br>0.27 | PHS 35-1A20<br>PHS 35-1BH20 |
|       |     | 21              | 68.83<br>68.83         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>22.23 | 4.270<br>4.270                    | 0.09<br>0.36 | PHS 35-1A21<br>PHS 35-1BH21 |
|       |     | 22              | 71.88<br>71.88         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>22.23 | 4.270<br>4.270                    | 0.10<br>0.36 | PHS 35-1A22<br>PHS 35-1BH22 |
|       |     | 23              | 74.93<br>74.93         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>22.23 | 4.270<br>4.270                    | 0.11<br>0.37 | PHS 35-1A23<br>PHS 35-1BH23 |
|       |     | 24              | 77.98<br>77.98         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>22.23 | 4.270<br>4.270                    | 0.12<br>0.40 | PHS 35-1A24<br>PHS 35-1BH24 |
|       |     | 25              | 81.03<br>81.03         | A<br>B | 12.70<br>—            | —<br>12.70   | —<br>34.93 | —<br>50.80 | —<br>22.23 | 4.270<br>4.270                    | 0.13<br>0.40 | PHS 35-1A25<br>PHS 35-1BH25 |

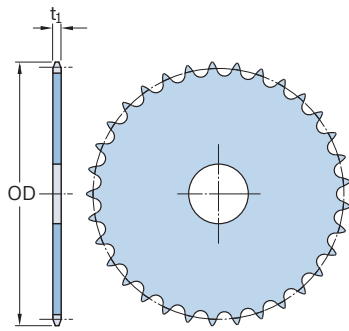
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

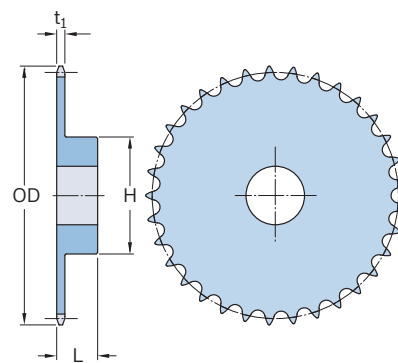
NSI 35-1 · 9.53 mm (<sup>3</sup>/<sub>8</sub>" pitch | ANSI 41-1 · 12.70 mm (<sup>1</sup>/<sub>2</sub>" pitch

| Pitch |                             | Number of teeth | Outside diameter OD | Type | Dimensions      |           |       | Hub H | L     | Plate thickness t <sub>1</sub> | Mass | Designation  |
|-------|-----------------------------|-----------------|---------------------|------|-----------------|-----------|-------|-------|-------|--------------------------------|------|--------------|
| mm    | in.                         |                 |                     |      | Bore stock Min. | Bore Min. | Max.  |       |       |                                |      |              |
| 9.53  | <sup>3</sup> / <sub>8</sub> | 26              | 84.07               | A    | 12.70           | —         | —     | —     | —     | 4.270                          | 0.13 | PHS 35-1A26  |
|       |                             |                 | 84.07               | B    | —               | 12.70     | 34.93 | 50.80 | 22.23 | 4.270                          | 0.41 | PHS 35-1B26  |
|       |                             | 27              | 87.12               | A    | 12.70           | —         | —     | —     | —     | 4.270                          | 0.15 | PHS 35-1A27  |
|       |                             |                 | 87.12               | B    | —               | 12.70     | 34.93 | 50.80 | 22.23 | 4.270                          | 0.43 | PHS 35-1B27  |
|       |                             | 28              | 90.17               | A    | 12.70           | —         | —     | —     | —     | 4.270                          | 0.15 | PHS 35-1A28  |
|       |                             |                 | 90.17               | B    | —               | 12.70     | 34.93 | 50.80 | 22.23 | 4.270                          | 0.43 | PHS 35-1B28  |
|       |                             | 30              | 96.27               | A    | 12.70           | —         | —     | —     | —     | 4.270                          | 0.21 | PHS 35-1A30  |
|       |                             |                 | 96.27               | B    | —               | 12.70     | 34.93 | 50.80 | 22.23 | 4.270                          | 0.46 | PHS 35-1B30  |
|       |                             | 32              | 102.36              | A    | 15.88           | —         | —     | —     | —     | 4.270                          | 0.21 | PHS 35-1A32  |
|       |                             |                 | 102.36              | B    | —               | 12.70     | 34.93 | 50.80 | 22.23 | 4.270                          | 0.56 | PHS 35-1B32  |
|       |                             | 35              | 111.51              | A    | 15.88           | —         | —     | —     | —     | 4.270                          | 0.27 | PHS 35-1A35  |
|       |                             |                 | 111.51              | B    | —               | 15.88     | 38.10 | 57.15 | 22.23 | 4.270                          | 0.68 | PHS 35-1B35  |
|       |                             | 36              | 114.55              | A    | 15.88           | —         | —     | —     | —     | 4.270                          | 0.28 | PHS 35-1A36  |
|       |                             |                 | 114.55              | B    | —               | 15.88     | 38.10 | 57.15 | 22.23 | 4.270                          | 0.71 | PHS 35-1B36  |
|       |                             | 40              | 126.75              | A    | 15.08           | —         | —     | —     | —     | 4.270                          | 0.32 | PHS 35-1A40  |
|       |                             |                 | 126.75              | B    | —               | 15.88     | 38.10 | 57.15 | 25.40 | 4.270                          | 0.73 | PHS 35-1B40  |
|       |                             | 42              | 132.84              | A    | 15.08           | —         | —     | —     | —     | 4.270                          | 0.35 | PHS 35-1A42  |
|       |                             |                 | 132.84              | B    | —               | 15.88     | 38.10 | 57.15 | 25.40 | 4.270                          | 0.76 | PHS 35-1B42  |
|       |                             | 45              | 141.99              | A    | 15.08           | —         | —     | —     | —     | 4.270                          | 0.40 | PHS 35-1A45  |
|       |                             |                 | 141.99              | B    | —               | 15.88     | 38.10 | 57.15 | 25.40 | 4.270                          | 0.81 | PHS 35-1B45  |
|       |                             | 48              | 151.13              | A    | 15.08           | —         | —     | —     | —     | 4.270                          | 0.55 | PHS 35-1A48  |
|       |                             |                 | 151.13              | B    | —               | 15.88     | 38.10 | 57.15 | 25.40 | 4.270                          | 0.85 | PHS 35-1B48  |
|       |                             | 54              | 169.16              | A    | 15.08           | —         | —     | —     | —     | 4.270                          | 0.60 | PHS 35-1A54  |
|       |                             |                 | 169.16              | B    | —               | 15.88     | 38.10 | 57.15 | 25.40 | 4.270                          | 1.00 | PHS 35-1B54  |
|       |                             | 60              | 187.45              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 0.75 | PHS 35-1A60  |
|       |                             |                 | 187.45              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 1.12 | PHS 35-1B60  |
|       |                             | 70              | 217.93              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 1.04 | PHS 35-1A70  |
|       |                             |                 | 217.93              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 1.42 | PHS 35-1B70  |
|       |                             | 72              | 223.77              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 1.16 | PHS 35-1A72  |
|       |                             |                 | 223.77              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 1.55 | PHS 35-1B72  |
|       |                             | 80              | 248.16              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 1.43 | PHS 35-1A80  |
|       |                             |                 | 248.16              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 1.73 | PHS 35-1B80  |
|       |                             | 84              | 260.35              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 1.48 | PHS 35-1A84  |
|       |                             |                 | 260.35              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 1.92 | PHS 35-1B84  |
|       |                             | 96              | 296.67              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 2.10 | PHS 35-1A96  |
|       |                             |                 | 296.67              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 2.34 | PHS 35-1B96  |
|       |                             | 112             | 345.19              | A    | 18.26           | —         | —     | —     | —     | 4.270                          | 2.29 | PHS 35-1A112 |
|       |                             |                 | 345.19              | B    | —               | 19.05     | 38.10 | 57.15 | 25.40 | 4.270                          | 3.04 | PHS 35-1B112 |
| 12.70 | <sup>1</sup> / <sub>2</sub> | 6               | 29.72               | B    | —               | 9.53      | 9.53  | 16.67 | 22.23 | 5.770                          | 0.03 | PHS 41-1BH6  |
|       |                             | 7               | 34.04               | B    | —               | 9.53      | 9.53  | 19.05 | 22.23 | 5.770                          | 0.05 | PHS 41-1BH7  |
|       |                             | 8               | 38.35               | B    | —               | 12.70     | 12.70 | 25.00 | 22.23 | 5.770                          | 0.09 | PHS 41-1BH8  |
|       |                             | 9               | 42.42               | B    | —               | 12.70     | 15.88 | 28.58 | 22.23 | 5.770                          | 0.09 | PHS 41-1BH9  |
|       |                             | 10              | 46.74               | B    | —               | 12.70     | 19.05 | 31.75 | 22.23 | 5.770                          | 0.12 | PHS 41-1BH10 |
|       |                             | 11              | 50.80               | B    | —               | 12.70     | 22.23 | 36.51 | 22.23 | 5.770                          | 0.16 | PHS 41-1BH11 |
|       |                             | 12              | 55.12               | B    | —               | 12.70     | 23.81 | 39.69 | 22.23 | 5.770                          | 0.20 | PHS 41-1BH12 |
|       |                             | 13              | 59.18               | B    | —               | 12.70     | 25.40 | 39.69 | 22.23 | 5.770                          | 0.23 | PHS 41-1BH13 |
|       |                             | 14              | 63.25               | B    | —               | 12.70     | 31.75 | 44.45 | 22.23 | 5.770                          | 0.26 | PHS 41-1BH14 |
|       |                             | 15              | 67.31               | A    | 15.88           | —         | —     | —     | —     | 5.770                          | 0.13 | PHS 41-1A15  |
|       |                             |                 | 67.31               | B    | —               | 12.70     | 33.34 | 55.56 | 22.23 | 5.770                          | 0.33 | PHS 41-1BH15 |
|       |                             | 16              | 71.37               | A    | 15.88           | —         | —     | —     | —     | 5.770                          | 0.15 | PHS 41-1A16  |
|       |                             |                 | 71.37               | B    | —               | 15.88     | 34.93 | 52.39 | 22.23 | 5.770                          | 0.41 | PHS 41-1BH16 |
|       |                             | 17              | 75.44               | A    | 15.88           | —         | —     | —     | —     | 5.770                          | 0.16 | PHS 41-1A17  |
|       |                             |                 | 75.44               | B    | —               | 15.88     | 38.10 | 56.75 | 25.40 | 5.770                          | 0.49 | PHS 41-1BH17 |
|       |                             | 18              | 79.76               | A    | 15.88           | —         | —     | —     | —     | 5.770                          | 0.20 | PHS 41-1A18  |
|       |                             |                 | 79.76               | B    | —               | 15.88     | 41.28 | 60.33 | 25.40 | 5.770                          | 0.57 | PHS 41-1BH18 |
|       |                             | 19              | 83.82               | A    | 15.88           | —         | —     | —     | —     | 5.770                          | 0.21 | PHS 41-1A19  |

ANSI sprockets, simplex, pilot bore  
ANSI 41-1 · 12.70 mm (1/2") pitch



Type A



Type B

| Pitch |     | Number of teeth | Outside diameter OD | Type | Dimensions      |           |       | Hub H  | L     | Plate thickness t <sub>1</sub> | Mass | Designation  |
|-------|-----|-----------------|---------------------|------|-----------------|-----------|-------|--------|-------|--------------------------------|------|--------------|
| mm    | in. |                 |                     |      | Bore stock Min. | Bore Min. | Max.  |        |       |                                | kg   |              |
| 12.70 | 1/2 | 19              | 83.82               | B    | —               | 15.88     | 44.45 | 62.71  | 25.40 | 5.770                          | 0.68 | PHS 41-1BH19 |
|       |     | 20              | 87.88               | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.24 | PHS 41-1A20  |
|       |     |                 | 87.88               | B    | —               | 15.88     | 47.63 | 69.85  | 25.40 | 5.770                          | 0.74 | PHS 41-1BH20 |
|       |     | 21              | 91.95               | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.27 | PHS 41-1A21  |
|       |     |                 | 91.95               | B    | —               | 15.88     | 47.63 | 73.03  | 25.40 | 5.770                          | 0.82 | PHS 41-1BH21 |
|       |     | 22              | 96.01               | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.30 | PHS 41-1A22  |
|       |     |                 | 96.01               | B    | —               | 15.88     | 50.80 | 76.20  | 25.40 | 5.770                          | 0.88 | PHS 41-1BH22 |
|       |     | 23              | 100.08              | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.33 | PHS 41-1A23  |
|       |     |                 | 100.08              | B    | —               | 15.88     | 57.15 | 80.96  | 25.40 | 5.770                          | 1.02 | PHS 41-1BH23 |
|       |     | 24              | 104.14              | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.37 | PHS 41-1A24  |
|       |     |                 | 104.14              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.06 | PHS 41-1BH24 |
|       |     | 25              | 108.20              | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.40 | PHS 41-1A25  |
|       |     |                 | 108.20              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.12 | PHS 41-1BH25 |
|       |     | 26              | 112.27              | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.43 | PHS 41-1A26  |
|       |     |                 | 112.27              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.13 | PHS 41-1B26  |
|       |     | 27              | 116.33              | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.45 | PHS 41-1A27  |
|       |     |                 | 116.33              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.16 | PHS 41-1B27  |
|       |     | 28              | 120.40              | A    | 15.88           | —         | —     | —      | —     | 5.770                          | 0.49 | PHS 41-1A28  |
|       |     |                 | 120.40              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.20 | PHS 41-1B28  |
|       |     | 30              | 128.52              | A    | 15.08           | —         | —     | —      | —     | 5.770                          | 0.54 | PHS 41-1A30  |
|       |     |                 | 128.52              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.27 | PHS 41-1B30  |
|       |     | 32              | 136.65              | A    | 15.08           | —         | —     | —      | —     | 5.770                          | 0.65 | PHS 41-1A32  |
|       |     |                 | 136.65              | B    | —               | 15.88     | 57.15 | 82.55  | 25.40 | 5.770                          | 1.34 | PHS 41-1B32  |
|       |     | 35              | 148.84              | A    | 15.08           | —         | —     | —      | —     | 5.770                          | 0.77 | PHS 41-1A35  |
|       |     |                 | 148.84              | B    | —               | 15.88     | 60.33 | 82.55  | 25.40 | 5.770                          | 1.42 | PHS 41-1B35  |
|       |     | 36              | 152.91              | A    | 15.08           | —         | —     | —      | —     | 5.770                          | 0.83 | PHS 41-1A36  |
|       |     |                 | 152.91              | B    | —               | 15.88     | 60.33 | 82.55  | 25.40 | 5.770                          | 1.51 | PHS 41-1B36  |
|       |     | 40              | 168.91              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 1.01 | PHS 41-1A40  |
|       |     |                 | 168.91              | B    | —               | 19.05     | 60.33 | 82.55  | 26.99 | 5.770                          | 1.84 | PHS 41-1B40  |
|       |     | 42              | 177.04              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 1.13 | PHS 41-1A42  |
|       |     |                 | 177.04              | B    | —               | 19.05     | 60.33 | 88.90  | 26.99 | 5.770                          | 1.86 | PHS 41-1B42  |
|       |     | 45              | 189.23              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 1.14 | PHS 41-1A45  |
|       |     |                 | 189.23              | B    | —               | 19.05     | 60.33 | 88.90  | 26.99 | 5.770                          | 1.90 | PHS 41-1B45  |
|       |     | 48              | 201.42              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 1.32 | PHS 41-1A48  |
|       |     |                 | 201.42              | B    | —               | 19.05     | 60.33 | 88.90  | 26.99 | 5.770                          | 2.23 | PHS 41-1B48  |
|       |     | 54              | 225.55              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 1.61 | PHS 41-1A54  |
|       |     |                 | 225.55              | B    | —               | 19.05     | 60.33 | 88.90  | 26.99 | 5.770                          | 2.58 | PHS 41-1B54  |
|       |     | 60              | 249.94              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 2.09 | PHS 41-1A60  |
|       |     |                 | 249.94              | B    | —               | 19.05     | 60.33 | 88.90  | 26.99 | 5.770                          | 3.08 | PHS 41-1B60  |
|       |     | 70              | 290.32              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 2.82 | PHS 41-1A70  |
|       |     |                 | 290.32              | B    | —               | 19.05     | 69.85 | 101.60 | 30.16 | 5.770                          | 4.33 | PHS 41-1B70  |
|       |     | 72              | 298.45              | A    | 18.26           | —         | —     | —      | —     | 5.770                          | 2.87 | PHS 41-1A72  |
|       |     |                 | 298.45              | B    | —               | 19.05     | 69.85 | 101.60 | 30.16 | 5.770                          | 4.37 | PHS 41-1B72  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

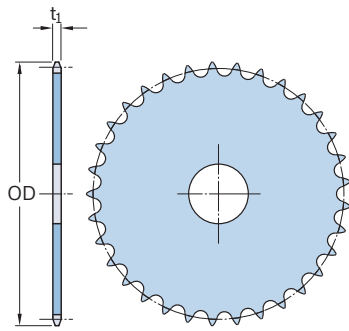
# ANSI sprockets, simplex, pilot bore

ANSI 41-1 · 12.70 mm (1/2") pitch | ANSI 40-1 · 12.70 mm (1/2") pitch

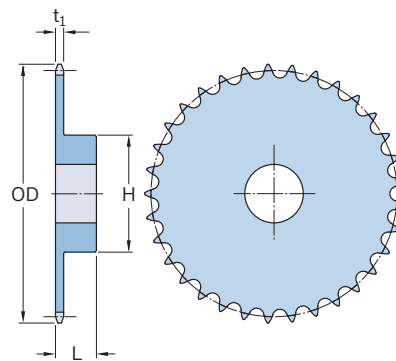
| Pitch |     | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |            | Hub H       | L          | Plate thickness t <sub>1</sub> | Mass         | Designation                  |
|-------|-----|-----------------|---------------------|--------|-----------------|------------|------------|-------------|------------|--------------------------------|--------------|------------------------------|
| mm    | in. |                 |                     |        | Bore stock Min. | Bore Min.  | Max.       |             |            |                                |              |                              |
| 12.70 | 1/2 | 80              | 330.96<br>330.96    | A<br>B | 18.26<br>—      | —<br>19.05 | —<br>69.85 | —<br>101.60 | —<br>30.16 | 5.770<br>5.770                 | 3.84<br>5.23 | PHS 41-1A80<br>PHS 41-1B80   |
|       |     | 84              | 346.96<br>346.96    | A<br>B | 18.26<br>—      | —<br>19.05 | —<br>69.85 | —<br>101.60 | —<br>30.16 | 5.770<br>5.770                 | 4.14<br>5.53 | PHS 41-1A84<br>PHS 41-1B84   |
|       |     | 96              | 395.48<br>395.48    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>101.60 | —<br>30.16 | 5.770<br>5.770                 | 5.37<br>6.74 | PHS 41-1A96<br>PHS 41-1B96   |
|       |     | 112             | 460.25<br>460.25    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>101.60 | —<br>30.16 | 5.770<br>5.770                 | 7.18<br>8.69 | PHS 41-1A112<br>PHS 41-1B112 |
|       |     | 8               | 38.10               | B      | —               | 12.70      | 12.70      | 24.61       | 22.23      | 7.210                          | 0.08         | PHS 40-1BH8                  |
|       |     | 9               | 42.42               | B      | —               | 12.70      | 14.29      | 26.99       | 22.23      | 7.210                          | 0.09         | PHS 40-1BH9                  |
|       |     | 10              | 46.74               | B      | —               | 12.70      | 19.05      | 31.75       | 22.23      | 7.210                          | 0.12         | PHS 40-1BH10                 |
|       |     | 11              | 50.80               | B      | —               | 12.70      | 22.23      | 34.93       | 22.23      | 7.210                          | 0.16         | PHS 40-1BH11                 |
|       |     | 12              | 55.12<br>55.12      | A<br>B | 12.70<br>—      | —<br>12.70 | —<br>25.40 | —<br>39.69  | —<br>22.23 | 7.210<br>7.210                 | 0.08<br>0.20 | PHS 40-1A12<br>PHS 40-1BH12  |
|       |     | 13              | 59.18<br>59.18      | A<br>B | 12.70<br>—      | —<br>12.70 | —<br>26.99 | —<br>39.69  | —<br>22.23 | 7.210<br>7.210                 | 0.10<br>0.23 | PHS 40-1A13<br>PHS 40-1BH13  |
|       |     | 14              | 63.25<br>63.25      | A<br>B | 12.70<br>—      | —<br>12.70 | —<br>28.58 | —<br>42.86  | —<br>22.23 | 7.210<br>7.210                 | 0.12<br>0.27 | PHS 40-1A14<br>PHS 40-1BH14  |
|       |     | 15              | 67.31<br>67.31      | A<br>B | 15.88<br>—      | —<br>12.70 | —<br>31.75 | —<br>46.04  | —<br>22.23 | 7.210<br>7.210                 | 0.14<br>0.32 | PHS 40-1A15<br>PHS 40-1BH15  |
|       |     | 16              | 71.37<br>71.37      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>34.93 | —<br>50.80  | —<br>22.23 | 7.210<br>7.210                 | 0.15<br>0.36 | PHS 40-1A16<br>PHS 40-1BH16  |
|       |     | 17              | 75.69<br>75.69      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>36.51 | —<br>53.98  | —<br>25.40 | 7.210<br>7.210                 | 0.16<br>0.47 | PHS 40-1A17<br>PHS 40-1BH17  |
|       |     | 18              | 79.76<br>79.76      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>38.10 | —<br>58.74  | —<br>25.40 | 7.210<br>7.210                 | 0.20<br>0.55 | PHS 40-1A18<br>PHS 40-1BH18  |
|       |     | 19              | 83.82<br>83.82      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>44.45 | —<br>63.50  | —<br>25.40 | 7.210<br>7.210                 | 0.21<br>0.65 | PHS 40-1A19<br>PHS 40-1BH19  |
|       |     | 20              | 87.88<br>87.88      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>47.63 | —<br>66.68  | —<br>25.40 | 7.210<br>7.210                 | 0.25<br>0.71 | PHS 40-1A20<br>PHS 40-1BH20  |
|       |     | 21              | 91.95<br>91.95      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>47.63 | —<br>69.85  | —<br>25.40 | 7.210<br>7.210                 | 0.26<br>0.78 | PHS 40-1A21<br>PHS 40-1BH21  |
|       |     | 22              | 96.01<br>96.01      | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>47.63 | —<br>73.03  | —<br>25.40 | 7.210<br>7.210                 | 0.30<br>0.89 | PHS 40-1A22<br>PHS 40-1BH22  |
|       |     | 23              | 100.08<br>100.08    | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>50.80 | —<br>76.20  | —<br>25.40 | 7.210<br>7.210                 | 0.33<br>0.97 | PHS 40-1A23<br>PHS 40-1BH23  |
|       |     | 24              | 104.14<br>104.14    | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.37<br>1.09 | PHS 40-1A24<br>PHS 40-1BH24  |
|       |     | 25              | 108.20<br>108.20    | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.40<br>1.15 | PHS 40-1A25<br>PHS 40-1BH25  |
|       |     | 26              | 112.27<br>112.27    | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.43<br>1.17 | PHS 40-1A26<br>PHS 40-1B26   |
|       |     | 27              | 116.33<br>116.33    | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.44<br>1.21 | PHS 40-1A27<br>PHS 40-1B27   |
|       |     | 28              | 120.40<br>120.40    | A<br>B | 15.88<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.50<br>1.24 | PHS 40-1A28<br>PHS 40-1B28   |
|       |     | 29              | 124.46<br>124.46    | A<br>B | 15.08<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.55<br>1.27 | PHS 40-1A29<br>PHS 40-1B29   |
|       |     | 30              | 128.52<br>128.52    | A<br>B | 15.08<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.57<br>1.35 | PHS 40-1A30<br>PHS 40-1B30   |
|       |     | 31              | 132.59<br>132.59    | A<br>B | 15.08<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.64<br>1.41 | PHS 40-1A31<br>PHS 40-1B31   |
|       |     | 32              | 136.65<br>136.65    | A<br>B | 15.08<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.67<br>1.43 | PHS 40-1A32<br>PHS 40-1B32   |
|       |     | 33              | 140.72<br>140.72    | A<br>B | 15.08<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.71<br>1.46 | PHS 40-1A33<br>PHS 40-1B33   |
|       |     | 34              | 144.78<br>144.78    | A<br>B | 15.08<br>—      | —<br>15.88 | —<br>57.15 | —<br>82.55  | —<br>25.40 | 7.210<br>7.210                 | 0.74<br>1.50 | PHS 40-1A34<br>PHS 40-1B34   |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

ANSI sprockets, simplex, pilot bore  
ANSI 41-1 · 12.70 mm (1/2") pitch



Type A



Type B

| Pitch |     | Number of teeth | Outside diameter<br>OD | Type   | Dimensions         |              |            | Hub<br>H   | L          | Plate thickness<br>t <sub>1</sub> | Mass         | Designation                |
|-------|-----|-----------------|------------------------|--------|--------------------|--------------|------------|------------|------------|-----------------------------------|--------------|----------------------------|
| mm    | in. |                 |                        |        | Bore stock<br>Min. | Bore<br>Min. | Max.       |            |            |                                   |              |                            |
| 12.70 | 1/2 | 35              | 148.84<br>148.84       | A<br>B | 15.08<br>—         | —<br>15.88   | —<br>57.15 | —<br>82.55 | —<br>25.40 | 7.210<br>7.210                    | 0.77<br>1.57 | PHS 40-1A35<br>PHS 40-1B35 |
|       |     | 36              | 152.91<br>152.91       | A<br>B | 15.08<br>—         | —<br>15.88   | —<br>57.15 | —<br>82.55 | —<br>25.40 | 7.210<br>7.210                    | 0.83<br>1.62 | PHS 40-1A36<br>PHS 40-1B36 |
|       |     | 37              | 156.97<br>156.97       | A<br>B | 15.08<br>—         | —<br>15.88   | —<br>57.15 | —<br>82.55 | —<br>25.40 | 7.210<br>7.210                    | 0.87<br>1.64 | PHS 40-1A37<br>PHS 40-1B37 |
|       |     | 38              | 160.78<br>160.78       | A<br>B | 15.08<br>—         | —<br>15.88   | —<br>57.15 | —<br>82.55 | —<br>25.40 | 7.210<br>7.210                    | 0.91<br>1.68 | PHS 40-1A38<br>PHS 40-1B38 |
|       |     | 39              | 164.85<br>164.85       | A<br>B | 15.08<br>—         | —<br>15.88   | —<br>57.15 | —<br>82.55 | —<br>25.40 | 7.210<br>7.210                    | 0.92<br>1.71 | PHS 40-1A39<br>PHS 40-1B39 |
|       |     | 40              | 168.91<br>168.91       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.01<br>2.13 | PHS 40-1A40<br>PHS 40-1B40 |
|       |     | 41              | 172.97<br>172.97       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.10<br>2.16 | PHS 40-1A41<br>PHS 40-1B41 |
|       |     | 42              | 177.04<br>177.04       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.13<br>2.19 | PHS 40-1A42<br>PHS 40-1B42 |
|       |     | 43              | 181.10<br>181.10       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.27<br>2.32 | PHS 40-1A43<br>PHS 40-1B43 |
|       |     | 44              | 185.17<br>185.17       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.29<br>2.34 | PHS 40-1A44<br>PHS 40-1B44 |
|       |     | 45              | 189.23<br>189.23       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.43<br>2.40 | PHS 40-1A45<br>PHS 40-1B45 |
|       |     | 46              | 193.29<br>193.29       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.48<br>2.53 | PHS 40-1A46<br>PHS 40-1B46 |
|       |     | 47              | 197.36<br>197.36       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.51<br>2.47 | PHS 40-1A47<br>PHS 40-1B47 |
|       |     | 48              | 201.42<br>201.42       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.46<br>2.65 | PHS 40-1A48<br>PHS 40-1B48 |
|       |     | 49              | 205.49<br>205.49       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.56<br>2.68 | PHS 40-1A49<br>PHS 40-1B49 |
|       |     | 50              | 209.55<br>209.55       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.64<br>2.70 | PHS 40-1A50<br>PHS 40-1B50 |
|       |     | 51              | 213.61<br>213.61       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.79<br>2.76 | PHS 40-1A51<br>PHS 40-1B51 |
|       |     | 52              | 217.68<br>217.68       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.85<br>2.85 | PHS 40-1A52<br>PHS 40-1B52 |
|       |     | 53              | 221.74<br>221.74       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 1.83<br>2.87 | PHS 40-1A53<br>PHS 40-1B53 |
|       |     | 54              | 225.81<br>225.81       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 2.01<br>2.91 | PHS 40-1A54<br>PHS 40-1B54 |
|       |     | 55              | 229.62<br>229.62       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>60.33 | —<br>88.90 | —<br>28.58 | 7.210<br>7.210                    | 2.06<br>2.93 | PHS 40-1A55<br>PHS 40-1B55 |
|       |     | 56              | 233.68                 | A      | 18.26              | —            | —          | —          | —          | 7.210                             | 2.20         | PHS 40-1A56                |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

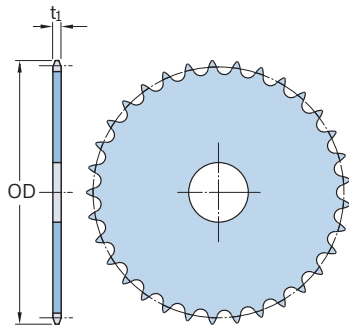
# ANSI sprockets, simplex, pilot bore

ANSI 40-1 · 12.70 mm (1/2") pitch | ANSI 50-1 · 15.88 mm (5/8") pitch

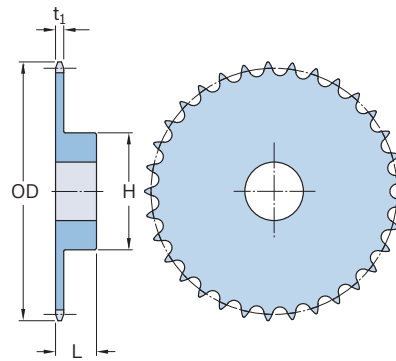
| Pitch |     | Number of teeth | Outside diameter OD | Type  | Dimensions      |           |        | Hub H  | L     | Plate thickness t <sub>1</sub> | Mass         | Designation |
|-------|-----|-----------------|---------------------|-------|-----------------|-----------|--------|--------|-------|--------------------------------|--------------|-------------|
| mm    | in. |                 |                     |       | Bore stock Min. | Bore Min. | Max.   |        |       |                                |              |             |
| 12.70 | 1/2 | 56              | 233.68              | B     | —               | 19.05     | 60.33  | 88.90  | 28.58 | 7.210                          | 3.13         | PHS 40-1B56 |
|       |     | 57              | 237.74              | A     | 18.26           | —         | —      | —      | —     | 7.210                          | 2.27         | PHS 40-1A57 |
|       |     |                 | 237.74              | B     | —               | 19.05     | 60.33  | 88.90  | 28.58 | 7.210                          | 3.18         | PHS 40-1B57 |
|       |     | 58              | 241.81              | A     | 18.26           | —         | —      | —      | —     | 7.210                          | 2.32         | PHS 40-1A58 |
|       |     |                 | 241.81              | B     | —               | 19.05     | 60.33  | 88.90  | 28.58 | 7.210                          | 3.34         | PHS 40-1B58 |
|       |     | 59              | 245.87              | A     | 18.26           | —         | —      | —      | —     | 7.210                          | 2.40         | PHS 40-1A59 |
|       |     |                 | 245.87              | B     | —               | 19.05     | 60.33  | 88.90  | 28.58 | 7.210                          | 3.38         | PHS 40-1B59 |
|       |     | 60              | 249.94              | A     | 18.26           | —         | —      | —      | —     | 7.210                          | 2.49         | PHS 40-1A60 |
|       |     |                 | 249.94              | B     | —               | 19.05     | 60.33  | 88.90  | 28.58 | 7.210                          | 3.57         | PHS 40-1B60 |
|       |     | 70              | 290.32              | A     | 18.26           | —         | —      | —      | —     | 7.210                          | 3.28         | PHS 40-1A70 |
|       |     |                 | 290.32              | B     | —               | 19.05     | 69.85  | 101.60 | 31.75 | 7.210                          | 4.99         | PHS 40-1B70 |
|       |     | 72              | 298.45              | A     | 18.26           | —         | —      | —      | —     | 7.210                          | 3.51         | PHS 40-1A72 |
| 15.88 | 5/8 |                 | 298.45              | B     | —               | 19.05     | 69.85  | 101.60 | 31.75 | 7.210                          | 5.22         | PHS 40-1B72 |
|       | 80  | 330.96          | A                   | 18.26 | —               | —         | —      | —      | 7.210 | 4.63                           | PHS 40-1A80  |             |
|       |     | 330.96          | B                   | —     | 19.05           | 69.85     | 101.60 | 31.75  | 7.210 | 6.08                           | PHS 40-1B80  |             |
|       | 84  | 346.96          | A                   | 18.26 | —               | —         | —      | —      | 7.210 | 4.57                           | PHS 40-1A84  |             |
|       |     | 346.96          | B                   | —     | 19.05           | 69.85     | 101.60 | 31.75  | 7.210 | 6.37                           | PHS 40-1B84  |             |
|       | 96  | 395.48          | A                   | 23.81 | —               | —         | —      | —      | 7.210 | 5.51                           | PHS 40-1A96  |             |
|       |     | 395.48          | B                   | —     | 25.40           | 69.85     | 101.60 | 31.75  | 7.210 | 7.97                           | PHS 40-1B96  |             |
|       | 112 | 460.25          | A                   | 23.81 | —               | —         | —      | —      | 7.210 | 9.07                           | PHS 40-1A112 |             |
|       |     | 460.25          | B                   | —     | 25.40           | 69.85     | 101.60 | 31.75  | 7.210 | 10.23                          | PHS 40-1B112 |             |
|       | 8   | 47.75           | B                   | —     | 15.88           | 15.88     | 28.58  | 25.40  | 8.710 | 0.11                           | PHS 50-1BH8  |             |
|       | 9   | 53.09           | B                   | —     | 15.88           | 19.05     | 34.93  | 25.40  | 8.710 | 0.16                           | PHS 50-1BH9  |             |
|       | 10  | 58.42           | B                   | —     | 15.88           | 22.23     | 39.69  | 25.40  | 8.710 | 0.22                           | PHS 50-1BH10 |             |
|       | 11  | 63.50           | B                   | —     | 15.88           | 25.40     | 44.45  | 25.40  | 8.710 | 0.29                           | PHS 50-1BH11 |             |
|       | 12  | 68.83           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.15                           | PHS 50-1A12  |             |
|       |     | 68.83           | B                   | —     | 15.88           | 31.75     | 50.40  | 25.40  | 8.710 | 0.38                           | PHS 50-1BH12 |             |
|       | 13  | 73.91           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.19                           | PHS 50-1A13  |             |
|       |     | 73.91           | B                   | —     | 15.88           | 33.34     | 47.63  | 25.40  | 8.710 | 0.40                           | PHS 50-1BH13 |             |
|       | 14  | 78.99           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.23                           | PHS 50-1A14  |             |
|       |     | 78.99           | B                   | —     | 15.88           | 36.51     | 53.98  | 25.40  | 8.710 | 0.51                           | PHS 50-1BH14 |             |
|       | 15  | 84.33           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.24                           | PHS 50-1A15  |             |
|       |     | 84.33           | B                   | —     | 15.88           | 38.10     | 60.33  | 25.40  | 8.710 | 0.61                           | PHS 50-1BH15 |             |
|       | 16  | 89.41           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.31                           | PHS 50-1A16  |             |
|       |     | 89.41           | B                   | —     | 15.88           | 44.45     | 63.50  | 25.40  | 8.710 | 0.68                           | PHS 50-1BH16 |             |
|       | 17  | 94.49           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.34                           | PHS 50-1A17  |             |
|       |     | 94.49           | B                   | —     | 15.88           | 47.63     | 68.26  | 25.40  | 8.710 | 0.79                           | PHS 50-1BH17 |             |
|       | 18  | 99.57           | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.39                           | PHS 50-1A18  |             |
|       |     | 99.57           | B                   | —     | 15.88           | 47.63     | 73.03  | 25.40  | 8.710 | 0.91                           | PHS 50-1BH18 |             |
|       | 19  | 104.65          | A                   | 15.88 | —               | —         | —      | —      | 8.710 | 0.43                           | PHS 50-1A19  |             |
|       |     | 104.65          | B                   | —     | 15.88           | 50.80     | 76.20  | 25.40  | 8.710 | 1.01                           | PHS 50-1BH19 |             |
|       | 20  | 109.73          | A                   | 19.05 | —               | —         | —      | —      | 8.710 | 0.48                           | PHS 50-1A20  |             |
|       |     | 109.73          | B                   | —     | 19.05           | 50.80     | 76.20  | 25.40  | 8.710 | 1.03                           | PHS 50-1BH20 |             |
|       | 21  | 114.81          | A                   | 19.05 | —               | —         | —      | —      | 8.710 | 0.51                           | PHS 50-1A21  |             |
|       |     | 114.81          | B                   | —     | 19.05           | 50.80     | 76.20  | 25.40  | 8.710 | 1.09                           | PHS 50-1BH21 |             |
|       | 22  | 119.89          | A                   | 19.05 | —               | —         | —      | —      | 8.710 | 0.59                           | PHS 50-1A22  |             |
|       |     | 119.89          | B                   | —     | 19.05           | 50.80     | 76.20  | 25.40  | 8.710 | 1.16                           | PHS 50-1BH22 |             |
|       | 23  | 124.97          | A                   | 19.05 | —               | —         | —      | —      | 8.710 | 0.65                           | PHS 50-1A23  |             |
|       |     | 124.97          | B                   | —     | 19.05           | 50.80     | 76.20  | 25.40  | 8.710 | 1.21                           | PHS 50-1BH23 |             |
|       | 24  | 130.05          | A                   | 18.26 | —               | —         | —      | —      | 8.710 | 0.68                           | PHS 50-1A24  |             |
|       |     | 130.05          | B                   | —     | 19.05           | 50.80     | 76.20  | 31.75  | 8.710 | 1.50                           | PHS 50-1BH24 |             |
|       | 25  | 135.13          | A                   | 18.26 | —               | —         | —      | —      | 8.710 | 0.73                           | PHS 50-1A25  |             |
|       |     | 135.13          | B                   | —     | 19.05           | 50.80     | 76.20  | 31.75  | 8.710 | 1.54                           | PHS 50-1BH25 |             |
|       | 26  | 140.21          | A                   | 18.26 | —               | —         | —      | —      | 8.710 | 0.78                           | PHS 50-1A26  |             |
|       |     | 140.21          | B                   | —     | 19.05           | 50.80     | 76.20  | 31.75  | 8.710 | 1.56                           | PHS 50-1B26  |             |
|       | 27  | 145.29          | A                   | 18.26 | —               | —         | —      | —      | 8.710 | 0.89                           | PHS 50-1A27  |             |
|       |     | 145.29          | B                   | —     | 19.05           | 50.80     | 76.20  | 31.75  | 8.710 | 1.70                           | PHS 50-1B27  |             |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

ANSI sprockets, simplex, pilot bore  
ANSI 50-1 · 15.88 mm (5/8") pitch



Type A



Type B

| Pitch |     | Number of teeth | Outside diameter<br>OD | Type   | Dimensions         |              |            | Hub<br>H   | L          | Plate thickness<br>t <sub>1</sub> | Mass         | Designation                |
|-------|-----|-----------------|------------------------|--------|--------------------|--------------|------------|------------|------------|-----------------------------------|--------------|----------------------------|
| mm    | in. |                 |                        |        | Bore stock<br>Min. | Bore<br>Min. | Max.       |            |            |                                   |              |                            |
| 15.88 | 5/8 | 28              | 150.37<br>150.37       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>50.80 | —<br>76.20 | —<br>31.75 | 8.710<br>8.710                    | 0.93<br>1.72 | PHS 50-1A28<br>PHS 50-1B28 |
|       |     | 29              | 155.45<br>155.45       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>50.80 | —<br>76.20 | —<br>31.75 | 8.710<br>8.710                    | 1.07<br>1.84 | PHS 50-1A29<br>PHS 50-1B29 |
|       |     | 30              | 160.53<br>160.53       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.15<br>2.07 | PHS 50-1A30<br>PHS 50-1B30 |
|       |     | 31              | 165.61<br>165.61       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.27<br>2.15 | PHS 50-1A31<br>PHS 50-1B31 |
|       |     | 32              | 170.69<br>170.69       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.23<br>2.25 | PHS 50-1A32<br>PHS 50-1B32 |
|       |     | 33              | 175.77<br>175.77       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.42<br>2.36 | PHS 50-1A33<br>PHS 50-1B33 |
|       |     | 34              | 180.85<br>180.85       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.45<br>2.33 | PHS 50-1A34<br>PHS 50-1B34 |
|       |     | 35              | 185.93<br>185.93       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.51<br>2.47 | PHS 50-1A35<br>PHS 50-1B35 |
|       |     | 36              | 191.01<br>191.01       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.73<br>2.56 | PHS 50-1A36<br>PHS 50-1B36 |
|       |     | 37              | 196.09<br>196.09       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.81<br>2.68 | PHS 50-1A37<br>PHS 50-1B37 |
|       |     | 38              | 201.17<br>201.17       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 1.88<br>2.76 | PHS 50-1A38<br>PHS 50-1B38 |
|       |     | 39              | 206.25<br>206.25       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 2.00<br>2.86 | PHS 50-1A39<br>PHS 50-1B39 |
|       |     | 40              | 211.33<br>211.33       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 2.02<br>2.95 | PHS 50-1A40<br>PHS 50-1B40 |
|       |     | 41              | 216.41<br>216.41       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 2.20<br>3.01 | PHS 50-1A41<br>PHS 50-1B41 |
|       |     | 42              | 221.49<br>221.49       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 2.26<br>3.16 | PHS 50-1A42<br>PHS 50-1B42 |
|       |     | 43              | 226.31<br>226.31       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 2.38<br>3.20 | PHS 50-1A43<br>PHS 50-1B43 |
|       |     | 44              | 231.39<br>231.39       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>57.15 | —<br>82.55 | —<br>31.75 | 8.710<br>8.710                    | 2.46<br>3.44 | PHS 50-1A44<br>PHS 50-1B44 |
|       |     | 45              | 236.47<br>236.47       | A<br>B | 18.26<br>—         | —<br>19.05   | —<br>63.50 | —<br>95.25 | —<br>31.75 | 8.710<br>8.710                    | 2.69<br>3.89 | PHS 50-1A45<br>PHS 50-1B45 |
|       |     | 46              | 241.55<br>241.55       | A<br>B | 23.81<br>—         | —<br>25.40   | —<br>63.50 | —<br>95.25 | —<br>31.75 | 8.710<br>8.710                    | 2.91<br>3.73 | PHS 50-1A46<br>PHS 50-1B46 |
|       |     | 47              | 246.63<br>246.63       | A<br>B | 23.81<br>—         | —<br>25.40   | —<br>63.50 | —<br>95.25 | —<br>31.75 | 8.710<br>8.710                    | 2.95<br>3.85 | PHS 50-1A47<br>PHS 50-1B47 |
|       |     | 48              | 251.71<br>251.71       | A<br>B | 23.81<br>—         | —<br>25.40   | —<br>63.50 | —<br>95.25 | —<br>31.75 | 8.710<br>8.710                    | 2.98<br>4.21 | PHS 50-1A48<br>PHS 50-1B48 |
|       |     | 49              | 256.79                 | A      | 23.81              | —            | —          | —          | —          | 8.710                             | 3.20         | PHS 50-1A49                |

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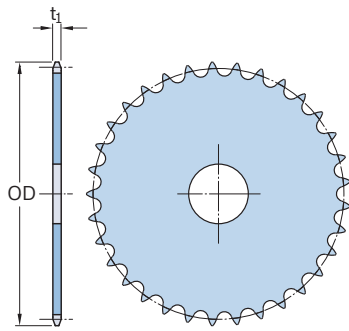
# ANSI sprockets, simplex, pilot bore

ANSI 50-1 · 15.88 mm (<sup>5</sup>/<sub>8</sub>" pitch | ANSI 60-1 · 19.05 mm (<sup>3</sup>/<sub>4</sub>" pitch

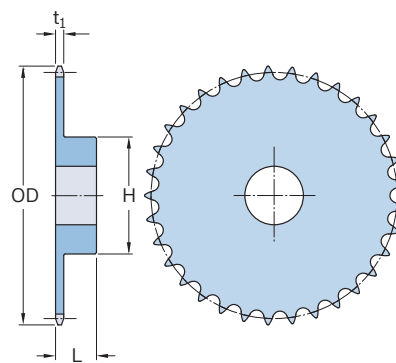
| Pitch |                             | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |            | Hub H       | L          | Plate thickness t <sub>1</sub> | Mass           | Designation                  |
|-------|-----------------------------|-----------------|---------------------|--------|-----------------|------------|------------|-------------|------------|--------------------------------|----------------|------------------------------|
| mm    | in.                         |                 |                     |        | Bore stock Min. | Bore Min.  | Max.       |             |            |                                |                |                              |
| 15.88 | <sup>5</sup> / <sub>8</sub> | 49              | 256.79              | B      | —               | 25.40      | 63.50      | 95.25       | 31.75      | 8.710                          | 4.18           | PHS 50-1B49                  |
|       |                             | 50              | 261.87<br>261.87    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 3.22<br>4.48   | PHS 50-1A50<br>PHS 50-1B50   |
|       |                             | 51              | 266.95<br>266.95    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 3.32<br>4.40   | PHS 50-1A51<br>PHS 50-1B51   |
|       |                             | 52              | 272.03<br>272.03    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 3.62<br>4.64   | PHS 50-1A52<br>PHS 50-1B52   |
|       |                             | 53              | 277.11<br>277.11    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 3.67<br>4.75   | PHS 50-1A53<br>PHS 50-1B53   |
|       |                             | 54              | 282.19<br>282.19    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 3.76<br>4.99   | PHS 50-1A54<br>PHS 50-1B54   |
|       |                             | 55              | 287.27<br>287.27    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 3.88<br>4.96   | PHS 50-1A55<br>PHS 50-1B55   |
|       |                             | 56              | 292.10<br>292.10    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 4.04<br>5.22   | PHS 50-1A56<br>PHS 50-1B56   |
|       |                             | 57              | 297.18<br>297.18    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 4.25<br>5.44   | PHS 50-1A57<br>PHS 50-1B57   |
|       |                             | 58              | 302.26<br>302.26    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 4.67<br>5.36   | PHS 50-1A58<br>PHS 50-1B58   |
|       |                             | 59              | 307.34<br>307.34    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 4.76<br>5.59   | PHS 50-1A59<br>PHS 50-1B59   |
|       |                             | 60              | 312.42<br>312.42    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>31.75 | 8.710<br>8.710                 | 4.90<br>5.90   | PHS 50-1A60<br>PHS 50-1B60   |
|       |                             | 70              | 362.97<br>362.97    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>44.45 | 8.710<br>8.710                 | 6.35<br>8.24   | PHS 50-1A70<br>PHS 50-1B70   |
|       |                             | 72              | 373.13<br>373.13    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>44.45 | 8.710<br>8.710                 | 6.91<br>8.84   | PHS 50-1A72<br>PHS 50-1B72   |
|       |                             | 76              | 393.45<br>393.45    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>63.50 | —<br>95.25  | —<br>44.45 | 8.710<br>8.710                 | 9.11<br>9.53   | PHS 50-1A76<br>PHS 50-1B76   |
|       |                             | 80              | 413.51<br>413.51    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 8.710<br>8.710                 | 9.53<br>11.22  | PHS 50-1A80<br>PHS 50-1B80   |
|       |                             | 84              | 433.83<br>433.83    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 8.710<br>8.710                 | 10.02<br>11.57 | PHS 50-1A84<br>PHS 50-1B84   |
|       |                             | 95              | 489.46<br>489.46    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 8.710<br>8.710                 | 12.25<br>14.51 | PHS 50-1A95<br>PHS 50-1B95   |
|       |                             | 96              | 494.54<br>494.54    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 8.710<br>8.710                 | 12.43<br>14.93 | PHS 50-1A96<br>PHS 50-1B96   |
|       |                             | 112             | 575.31<br>575.31    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 8.710<br>8.710                 | 17.10<br>19.05 | PHS 50-1A112<br>PHS 50-1B112 |
| 19.05 | <sup>3</sup> / <sub>4</sub> | 8               | 57.40               | B      | —               | 15.88      | 15.88      | 37.31       | 31.75      | 11.660                         | 0.24           | PHS 60-1BH8                  |
|       |                             | 9               | 63.75               | B      | —               | 19.05      | 22.23      | 39.69       | 31.75      | 11.660                         | 0.29           | PHS 60-1BH9                  |
|       |                             | 10              | 70.10<br>70.10      | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>28.58 | —<br>49.21  | —<br>31.75 | 11.660<br>11.660               | 0.20<br>0.45   | PHS 60-1A10<br>PHS 60-1BH10  |
|       |                             | 11              | 76.20<br>76.20      | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>33.34 | —<br>52.39  | —<br>31.75 | 11.660<br>11.660               | 0.24<br>0.53   | PHS 60-1A11<br>PHS 60-1BH11  |
|       |                             | 12              | 82.55<br>82.55      | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>34.93 | —<br>60.33  | —<br>31.75 | 11.660<br>11.660               | 0.31<br>0.67   | PHS 60-1A12<br>PHS 60-1BH12  |
|       |                             | 13              | 88.65<br>88.65      | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>38.10 | —<br>59.53  | —<br>31.75 | 11.660<br>11.660               | 0.36<br>0.75   | PHS 60-1A13<br>PHS 60-1BH13  |
|       |                             | 14              | 95.00<br>95.00      | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>44.45 | —<br>65.09  | —<br>31.75 | 11.660<br>11.660               | 0.43<br>0.91   | PHS 60-1A14<br>PHS 60-1BH14  |
|       |                             | 15              | 101.09<br>101.09    | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>47.63 | —<br>73.03  | —<br>31.75 | 11.660<br>11.660               | 0.49<br>1.14   | PHS 60-1A15<br>PHS 60-1BH15  |
|       |                             | 16              | 107.19<br>107.19    | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>50.80 | —<br>77.79  | —<br>31.75 | 11.660<br>11.660               | 0.56<br>1.27   | PHS 60-1A16<br>PHS 60-1BH16  |
|       |                             | 17              | 113.28<br>113.28    | A<br>B | 19.05<br>—      | —<br>19.05 | —<br>57.15 | —<br>82.55  | —<br>31.75 | 11.660<br>11.660               | 0.65<br>1.46   | PHS 60-1A17<br>PHS 60-1BH17  |
|       |                             | 18              | 119.38              | A      | 19.05           | —          | —          | —           | —          | 11.660                         | 0.73           | PHS 60-1A18                  |

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ANSI sprockets, simplex, pilot bore  
ANSI 60-1 · 19.05 mm ( $\frac{3}{4}$ " pitch)



Type A



Type B

| Pitch |               | Number of teeth | Outside diameter OD | Type | Dimensions      |           |       | Hub H  | L     | Plate thickness $t_1$ | Mass | Designation  |
|-------|---------------|-----------------|---------------------|------|-----------------|-----------|-------|--------|-------|-----------------------|------|--------------|
| mm    | in.           |                 |                     |      | Bore stock Min. | Bore Min. | Max.  |        |       |                       | kg   |              |
| 19.05 | $\frac{3}{4}$ | 18              | 119.38              | B    | —               | 19.05     | 60.33 | 88.90  | 31.75 | 11.660                | 1.69 | PHS 60-1BH18 |
|       |               | 19              | 125.73              | A    | 19.05           | —         | —     | —      | —     | 11.660                | 0.83 | PHS 60-1A19  |
|       |               |                 | 125.73              | B    | —               | 19.05     | 60.33 | 88.90  | 31.75 | 11.660                | 1.78 | PHS 60-1BH19 |
|       |               | 20              | 131.83              | A    | 19.05           | —         | —     | —      | —     | 11.660                | 0.96 | PHS 60-1A20  |
|       |               |                 | 131.83              | B    | —               | 19.05     | 66.68 | 98.43  | 31.75 | 11.660                | 2.10 | PHS 60-1BH20 |
|       |               | 21              | 137.92              | A    | 19.05           | —         | —     | —      | —     | 11.660                | 1.03 | PHS 60-1A21  |
|       |               |                 | 137.92              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 2.27 | PHS 60-1BH21 |
|       |               | 22              | 144.02              | A    | 19.05           | —         | —     | —      | —     | 11.660                | 1.12 | PHS 60-1A22  |
|       |               |                 | 144.02              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 2.38 | PHS 60-1BH22 |
|       |               | 23              | 150.11              | A    | 19.05           | —         | —     | —      | —     | 11.660                | 1.22 | PHS 60-1A23  |
|       |               |                 | 150.11              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 2.49 | PHS 60-1BH23 |
|       |               | 24              | 156.21              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 1.36 | PHS 60-1A24  |
|       |               |                 | 156.21              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 2.62 | PHS 60-1BH24 |
|       |               | 25              | 162.31              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 1.51 | PHS 60-1A25  |
|       |               |                 | 162.31              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 2.78 | PHS 60-1BH25 |
|       |               | 26              | 168.40              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 1.61 | PHS 60-1A26  |
|       |               |                 | 168.40              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 2.89 | PHS 60-1B26  |
|       |               | 27              | 174.50              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 1.80 | PHS 60-1A27  |
|       |               |                 | 174.50              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 3.05 | PHS 60-1B27  |
|       |               | 28              | 180.59              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 1.88 | PHS 60-1A28  |
|       |               |                 | 180.59              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 3.12 | PHS 60-1B28  |
|       |               | 29              | 186.69              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 2.00 | PHS 60-1A29  |
|       |               |                 | 186.69              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 3.30 | PHS 60-1B29  |
|       |               | 30              | 192.79              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 2.17 | PHS 60-1A30  |
|       |               |                 | 192.79              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 3.44 | PHS 60-1B30  |
|       |               | 31              | 198.88              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 2.38 | PHS 60-1A31  |
|       |               |                 | 198.88              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 3.50 | PHS 60-1B31  |
|       |               | 32              | 204.98              | A    | 18.26           | —         | —     | —      | —     | 11.660                | 2.50 | PHS 60-1A32  |
|       |               |                 | 204.98              | B    | —               | 19.05     | 69.85 | 101.60 | 31.75 | 11.660                | 3.75 | PHS 60-1B32  |
|       |               | 33              | 210.82              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 2.66 | PHS 60-1A33  |
|       |               |                 | 210.82              | B    | —               | 25.40     | 69.85 | 101.60 | 31.75 | 11.660                | 3.82 | PHS 60-1B33  |
|       |               | 34              | 216.92              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 2.79 | PHS 60-1A34  |
|       |               |                 | 216.92              | B    | —               | 25.40     | 69.85 | 101.60 | 31.75 | 11.660                | 3.99 | PHS 60-1B34  |
|       |               | 35              | 223.01              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 3.08 | PHS 60-1A35  |
|       |               |                 | 223.01              | B    | —               | 25.40     | 69.85 | 101.60 | 31.75 | 11.660                | 4.10 | PHS 60-1B35  |
|       |               | 36              | 229.11              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 3.09 | PHS 60-1A36  |
|       |               |                 | 229.11              | B    | —               | 25.40     | 69.85 | 101.60 | 31.75 | 11.660                | 4.35 | PHS 60-1B36  |
|       |               | 37              | 235.20              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 3.41 | PHS 60-1A37  |
|       |               |                 | 235.20              | B    | —               | 25.40     | 69.85 | 101.60 | 31.75 | 11.660                | 4.64 | PHS 60-1B37  |
|       |               | 38              | 241.30              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 3.56 | PHS 60-1A38  |
|       |               |                 | 241.30              | B    | —               | 25.40     | 69.85 | 107.95 | 31.75 | 11.660                | 4.92 | PHS 60-1B38  |
|       |               | 39              | 247.40              | A    | 23.81           | —         | —     | —      | —     | 11.660                | 3.76 | PHS 60-1A39  |
|       |               |                 | 247.40              | B    | —               | 25.40     | 69.85 | 107.95 | 31.75 | 11.660                | 5.15 | PHS 60-1B39  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

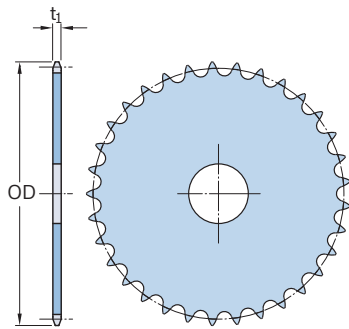
ANSI sprockets, simplex, pilot bore  
ANSI 60-1 · 19.05 mm (3/4") pitch

| Pitch |     | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |            | Hub H       | L          | Plate thickness t <sub>1</sub> | Mass           | Designation                |
|-------|-----|-----------------|---------------------|--------|-----------------|------------|------------|-------------|------------|--------------------------------|----------------|----------------------------|
| mm    | in. |                 |                     |        | Bore stock Min. | Bore Min.  | Max.       |             |            |                                |                |                            |
| 19.05 | 3/4 | 40              | 253.49<br>253.49    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 3.88<br>5.22   | PHS 60-1A40<br>PHS 60-1B40 |
|       |     | 41              | 259.59<br>259.59    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 4.13<br>5.51   | PHS 60-1A41<br>PHS 60-1B41 |
|       |     | 42              | 265.68<br>265.68    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 4.46<br>5.78   | PHS 60-1A42<br>PHS 60-1B42 |
|       |     | 43              | 271.78<br>271.78    | A<br>B | 23.81<br>—      | —<br>25.40 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 4.42<br>5.90   | PHS 60-1A43<br>PHS 60-1B43 |
|       |     | 44              | 277.88<br>277.88    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 4.88<br>6.30   | PHS 60-1A44<br>PHS 60-1B44 |
|       |     | 45              | 283.97<br>283.97    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 5.03<br>6.34   | PHS 60-1A45<br>PHS 60-1B45 |
|       |     | 46              | 290.07<br>290.07    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 5.22<br>6.62   | PHS 60-1A46<br>PHS 60-1B46 |
|       |     | 47              | 295.91<br>295.91    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 5.59<br>6.80   | PHS 60-1A47<br>PHS 60-1B47 |
|       |     | 48              | 302.01<br>302.01    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 5.63<br>7.18   | PHS 60-1A48<br>PHS 60-1B48 |
|       |     | 49              | 308.10<br>308.10    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 5.86<br>7.21   | PHS 60-1A49<br>PHS 60-1B49 |
|       |     | 50              | 314.20<br>314.20    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 6.34<br>8.01   | PHS 60-1A50<br>PHS 60-1B50 |
|       |     | 51              | 320.29<br>320.29    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 6.61<br>7.70   | PHS 60-1A51<br>PHS 60-1B51 |
|       |     | 52              | 326.39<br>326.39    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 6.62<br>8.13   | PHS 60-1A52<br>PHS 60-1B52 |
|       |     | 53              | 332.49<br>332.49    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>31.75 | 11.660<br>11.660               | 7.18<br>8.16   | PHS 60-1A53<br>PHS 60-1B53 |
|       |     | 54              | 338.58<br>338.58    | A<br>B | 23.81<br>—      | —<br>23.81 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 7.22<br>9.80   | PHS 60-1A54<br>PHS 60-1B54 |
|       |     | 55              | 344.68<br>344.68    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 7.69<br>9.59   | PHS 60-1A55<br>PHS 60-1B55 |
|       |     | 56              | 350.77<br>350.77    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 7.98<br>9.92   | PHS 60-1A56<br>PHS 60-1B56 |
|       |     | 57              | 356.62<br>356.62    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 7.99<br>10.10  | PHS 60-1A57<br>PHS 60-1B57 |
|       |     | 58              | 362.71<br>362.71    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 8.62<br>10.34  | PHS 60-1A58<br>PHS 60-1B58 |
|       |     | 59              | 368.81<br>368.81    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 8.71<br>10.82  | PHS 60-1A59<br>PHS 60-1B59 |
|       |     | 60              | 374.90<br>374.90    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 9.08<br>11.44  | PHS 60-1A60<br>PHS 60-1B60 |
|       |     | 64              | 399.29<br>399.29    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 10.43<br>12.43 | PHS 60-1A64<br>PHS 60-1B64 |
|       |     | 65              | 405.38<br>405.38    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 10.54<br>13.12 | PHS 60-1A65<br>PHS 60-1B65 |
|       |     | 66              | —                   | A      | 31.75           | —          | —          | —           | —          | 11.660                         | 11.08          | PHS 60-1A66                |
|       |     | 68              | 423.42<br>423.42    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 11.58<br>13.78 | PHS 60-1A68<br>PHS 60-1B68 |
|       |     | 70              | 435.61<br>435.61    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>44.45 | 11.660<br>11.660               | 12.34<br>14.51 | PHS 60-1A70<br>PHS 60-1B70 |
|       |     | 72              | 447.80<br>447.80    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>50.80 | 11.660<br>11.660               | 13.11<br>15.50 | PHS 60-1A72<br>PHS 60-1B72 |
|       |     | 76              | 471.93<br>471.93    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>50.80 | 11.660<br>11.660               | 14.67<br>17.26 | PHS 60-1A76<br>PHS 60-1B76 |
|       |     | 80              | 496.32<br>496.32    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>69.85 | —<br>107.95 | —<br>50.80 | 11.660<br>11.660               | 20.64<br>19.00 | PHS 60-1A80<br>PHS 60-1B80 |
|       |     | 84              | 520.45<br>520.45    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 11.660<br>11.660               | 18.23<br>21.07 | PHS 60-1A84<br>PHS 60-1B84 |

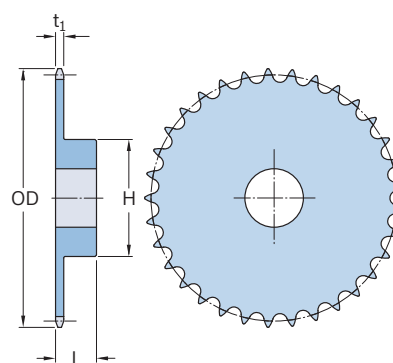
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

ANSI 60-1 · 19.05 mm (<sup>3</sup>/<sub>4</sub>" pitch | ANSI 80-1 · 25.40 mm (1" pitch



Type A



Type B

| Pitch |                             | Number of teeth | Outside diameter OD | Type | Dimensions      |           |       | Hub H  | L     | Plate thickness t <sub>1</sub> | Mass  | Designation  |
|-------|-----------------------------|-----------------|---------------------|------|-----------------|-----------|-------|--------|-------|--------------------------------|-------|--------------|
|       |                             |                 |                     |      | Bore stock Min. | Bore Min. | Max.  |        |       |                                |       |              |
| mm    | in.                         | –               | mm                  | –    | mm              |           |       |        |       |                                | kg    | –            |
| 19.05 | <sup>3</sup> / <sub>4</sub> | 90              | 557.02              | A    | 31.75           | –         | –     | –      | –     | 11.660                         | 19.70 | PHS 60-1A90  |
|       |                             |                 | 557.02              | B    | –               | 31.75     | 84.14 | 127.00 | 57.15 | 11.660                         | 28.67 | PHS 60-1B90  |
|       |                             | 96              | 593.34              | A    | 31.75           | –         | –     | –      | –     | 11.660                         | 23.60 | PHS 60-1A96  |
|       |                             |                 | 593.34              | B    | –               | 31.75     | 95.25 | 139.70 | 57.15 | 11.660                         | 28.61 | PHS 60-1B96  |
|       |                             | 112             | 690.37              | A    | 31.75           | –         | –     | –      | –     | 11.660                         | 32.11 | PHS 60-1A112 |
|       |                             |                 | 690.37              | B    | –               | 31.75     | 95.25 | 139.70 | 57.15 | 11.660                         | 37.09 | PHS 60-1B112 |
| 25.40 | 1                           | 8               | 76.45               | B    | –               | 25.40     | 25.40 | 49.21  | 41.28 | 14.600                         | 0.64  | PHS 80-1BH8  |
|       |                             |                 |                     |      |                 |           |       |        |       |                                |       |              |
|       |                             | 9               | 85.09               | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 0.36  | PHS 80-1A9   |
|       |                             |                 | 85.09               | B    | –               | 25.40     | 33.34 | 57.15  | 41.28 | 14.600                         | 0.73  | PHS 80-1BH9  |
|       |                             | 10              | 93.47               | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 0.45  | PHS 80-1A10  |
|       |                             |                 | 93.47               | B    | –               | 25.40     | 38.10 | 65.09  | 41.28 | 14.600                         | 1.00  | PHS 80-1BH10 |
|       |                             | 11              | 101.85              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 0.59  | PHS 80-1A11  |
|       |                             |                 | 101.85              | B    | –               | 25.40     | 41.28 | 71.44  | 41.28 | 14.600                         | 1.45  | PHS 80-1BH11 |
|       |                             | 12              | 109.98              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 0.68  | PHS 80-1A12  |
|       |                             |                 | 109.98              | B    | –               | 25.40     | 47.63 | 79.38  | 41.28 | 14.600                         | 1.54  | PHS 80-1BH12 |
|       |                             | 13              | 118.36              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 0.82  | PHS 80-1A13  |
|       |                             |                 | 118.36              | B    | –               | 25.40     | 50.80 | 76.20  | 38.10 | 14.600                         | 1.59  | PHS 80-1BH13 |
|       |                             | 14              | 126.49              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 1.00  | PHS 80-1A14  |
|       |                             |                 | 126.49              | B    | –               | 25.40     | 57.15 | 82.55  | 38.10 | 14.600                         | 1.86  | PHS 80-1BH14 |
|       |                             | 15              | 134.62              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 1.13  | PHS 80-1A15  |
|       |                             |                 | 134.62              | B    | –               | 25.40     | 63.50 | 96.84  | 38.10 | 14.600                         | 2.40  | PHS 80-1BH15 |
|       |                             | 16              | 143.00              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 1.32  | PHS 80-1A16  |
|       |                             |                 | 143.00              | B    | –               | 25.40     | 69.85 | 101.60 | 38.10 | 14.600                         | 2.68  | PHS 80-1BH16 |
|       |                             | 17              | 151.13              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 1.50  | PHS 80-1A17  |
|       |                             |                 | 151.13              | B    | –               | 25.40     | 69.85 | 101.60 | 38.10 | 14.600                         | 2.99  | PHS 80-1BH17 |
|       |                             | 18              | 159.26              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 1.68  | PHS 80-1A18  |
|       |                             |                 | 159.26              | B    | –               | 25.40     | 69.85 | 107.95 | 38.10 | 14.600                         | 3.31  | PHS 80-1BH18 |
|       |                             | 19              | 167.39              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 1.86  | PHS 80-1A19  |
|       |                             |                 | 167.39              | B    | –               | 25.40     | 69.85 | 107.95 | 38.10 | 14.600                         | 3.54  | PHS 80-1BH19 |
|       |                             | 20              | 175.51              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 2.13  | PHS 80-1A20  |
|       |                             |                 | 175.51              | B    | –               | 25.40     | 69.85 | 107.95 | 38.10 | 14.600                         | 3.81  | PHS 80-1BH20 |
|       |                             | 21              | 183.90              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 2.22  | PHS 80-1A21  |
|       |                             |                 | 183.90              | B    | –               | 25.40     | 69.85 | 107.95 | 44.45 | 14.600                         | 4.26  | PHS 80-1BH21 |
|       |                             | 22              | 192.02              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 2.49  | PHS 80-1A22  |
|       |                             |                 | 192.02              | B    | –               | 25.40     | 69.85 | 107.95 | 44.45 | 14.600                         | 4.54  | PHS 80-1BH22 |
|       |                             | 23              | 200.15              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 2.86  | PHS 80-1A23  |
|       |                             |                 | 200.15              | B    | –               | 25.40     | 69.85 | 107.95 | 44.45 | 14.600                         | 4.85  | PHS 80-1BH23 |
|       |                             | 24              | 208.28              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 3.04  | PHS 80-1A24  |
|       |                             |                 | 208.28              | B    | –               | 25.40     | 69.85 | 107.95 | 44.45 | 14.600                         | 5.13  | PHS 80-1BH24 |
|       |                             | 25              | 216.41              | A    | 23.81           | –         | –     | –      | –     | 14.600                         | 3.27  | PHS 80-1A25  |
|       |                             |                 | 216.41              | B    | –               | 25.40     | 69.85 | 107.95 | 44.45 | 14.600                         | 5.40  | PHS 80-1BH25 |
|       |                             | 26              | 224.54              | A    | 30.16           | –         | –     | –      | –     | 14.600                         | 3.54  | PHS 80-1A26  |
|       |                             |                 | 224.54              | B    | –               | 31.75     | 82.55 | 120.65 | 50.80 | 14.600                         | 6.49  | PHS 80-1B26  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

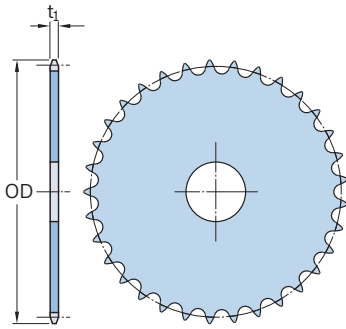
ANSI sprockets, simplex, pilot bore  
ANSI 80-1 · 25.40 mm (1") pitch

| Pitch |     | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |            | Hub H       | L          | Plate thickness t <sub>1</sub> | Mass           | Designation                |
|-------|-----|-----------------|---------------------|--------|-----------------|------------|------------|-------------|------------|--------------------------------|----------------|----------------------------|
| mm    | in. |                 |                     |        | Bore stock Min. | Bore Min.  | Max.       |             |            |                                |                |                            |
| 25.40 | 1   | 27              | 232.66<br>232.66    | A<br>B | 30.16<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 3.90<br>6.99   | PHS 80-1A27<br>PHS 80-1B27 |
|       |     | 28              | 240.79<br>240.79    | A<br>B | 30.16<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 4.22<br>7.26   | PHS 80-1A28<br>PHS 80-1B28 |
|       |     | 29              | 248.92<br>248.92    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 4.45<br>7.76   | PHS 80-1A29<br>PHS 80-1B29 |
|       |     | 30              | 256.79<br>256.79    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 4.85<br>7.89   | PHS 80-1A30<br>PHS 80-1B30 |
|       |     | 31              | 264.92<br>264.92    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 5.13<br>8.48   | PHS 80-1A31<br>PHS 80-1B31 |
|       |     | 32              | 273.05<br>273.05    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 5.49<br>8.85   | PHS 80-1A32<br>PHS 80-1B32 |
|       |     | 33              | 281.18<br>281.18    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 6.17<br>8.89   | PHS 80-1A33<br>PHS 80-1B33 |
|       |     | 34              | 289.31<br>289.31    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 6.49<br>9.66   | PHS 80-1A34<br>PHS 80-1B34 |
|       |     | 35              | 297.43<br>297.43    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 6.71<br>10.02  | PHS 80-1A35<br>PHS 80-1B35 |
|       |     | 36              | 305.56<br>305.56    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 7.30<br>10.48  | PHS 80-1A36<br>PHS 80-1B36 |
|       |     | 37              | 313.69<br>313.69    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 7.62<br>10.80  | PHS 80-1A37<br>PHS 80-1B37 |
|       |     | 38              | 321.82<br>321.82    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 7.80<br>11.20  | PHS 80-1A38<br>PHS 80-1B38 |
|       |     | 39              | 329.95<br>329.95    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 8.12<br>11.61  | PHS 80-1A39<br>PHS 80-1B39 |
|       |     | 40              | 338.07<br>338.07    | A<br>B | 30.16<br>—      | —<br>30.16 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 8.57<br>12.11  | PHS 80-1A40<br>PHS 80-1B40 |
|       |     | 41              | 346.20<br>346.20    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 9.53<br>12.61  | PHS 80-1A41<br>PHS 80-1B41 |
|       |     | 42              | 354.08<br>354.08    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 9.89<br>13.02  | PHS 80-1A42<br>PHS 80-1B42 |
|       |     | 43              | 362.20<br>362.20    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 10.70<br>13.34 | PHS 80-1A43<br>PHS 80-1B43 |
|       |     | 44              | 370.33<br>370.33    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 11.02<br>13.56 | PHS 80-1A44<br>PHS 80-1B44 |
|       |     | 45              | 378.46<br>378.46    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 11.43<br>14.24 | PHS 80-1A45<br>PHS 80-1B45 |
|       |     | 46              | 386.59<br>386.59    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 12.07<br>15.01 | PHS 80-1A46<br>PHS 80-1B46 |
|       |     | 47              | 394.72<br>394.72    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 11.97<br>15.42 | PHS 80-1A47<br>PHS 80-1B47 |
|       |     | 48              | 402.84<br>402.84    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 12.61<br>16.10 | PHS 80-1A48<br>PHS 80-1B48 |
|       |     | 49              | 410.97<br>410.97    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 13.11<br>16.24 | PHS 80-1A49<br>PHS 80-1B49 |
|       |     | 50              | 419.10<br>419.10    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 14.02<br>16.92 | PHS 80-1A50<br>PHS 80-1B50 |
|       |     | 51              | 426.97<br>426.97    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 14.61<br>17.51 | PHS 80-1A51<br>PHS 80-1B51 |
|       |     | 52              | 435.10<br>435.10    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 14.97<br>17.87 | PHS 80-1A52<br>PHS 80-1B52 |
|       |     | 53              | 443.23<br>443.23    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55 | —<br>120.65 | —<br>50.80 | 14.600<br>14.600               | 15.83<br>18.73 | PHS 80-1A53<br>PHS 80-1B53 |
|       |     | 54              | 451.36<br>451.36    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90 | —<br>133.35 | —<br>50.80 | 14.600<br>14.600               | 16.60<br>20.28 | PHS 80-1A54<br>PHS 80-1B54 |
|       |     | 55              | 459.49<br>459.49    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90 | —<br>133.35 | —<br>50.80 | 14.600<br>14.600               | 17.01<br>20.68 | PHS 80-1A55<br>PHS 80-1B55 |
|       |     | 56              | 467.61              | A      | 31.75           | —          | —          | —           | —          | 14.600                         | 17.87          | PHS 80-1A56                |

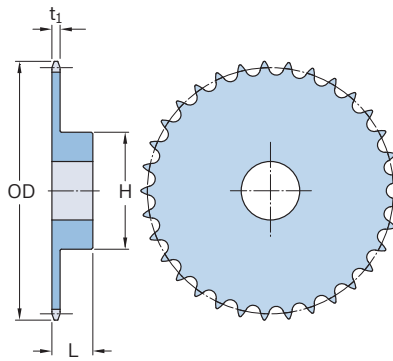
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For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

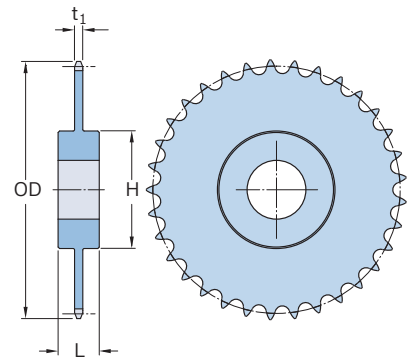
ANSI 80-1 · 25.40 mm (1") pitch | ANSI 100-1 · 31.75 mm (1 1/4") pitch



Type A



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions      |           |        | Hub H  | L     | Plate thickness t <sub>1</sub> | Mass  | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|-----------|--------|--------|-------|--------------------------------|-------|---------------|
| mm    | in.   |                 |                     |      | Bore stock Min. | Bore Min. | Max.   |        |       |                                |       |               |
| 25.40 | 1     | 56              | 467.61              | B    | —               | 31.75     | 88.90  | 133.35 | 50.80 | 14.600                         | 21.55 | PHS 80-1B56   |
|       |       | 57              | 475.74              | A    | 31.75           | —         | —      | —      | —     | 14.600                         | 18.33 | PHS 80-1A57   |
|       |       |                 | 475.74              | B    | —               | 31.75     | 88.90  | 133.35 | 50.80 | 14.600                         | 22.00 | PHS 80-1B57   |
|       |       | 58              | 483.62              | A    | 31.75           | —         | —      | —      | —     | 14.600                         | 18.73 | PHS 80-1A58   |
|       |       |                 | 483.62              | B    | —               | 31.75     | 88.90  | 133.35 | 50.80 | 14.600                         | 22.91 | PHS 80-1B58   |
|       |       | 59              | 491.74              | A    | 31.75           | —         | —      | —      | —     | 14.600                         | 19.46 | PHS 80-1A59   |
|       |       |                 | 491.74              | B    | —               | 31.75     | 88.90  | 133.35 | 50.80 | 14.600                         | 23.63 | PHS 80-1B59   |
|       |       | 60              | 499.87              | A    | 31.75           | —         | —      | —      | —     | 14.600                         | 20.55 | PHS 80-1A60   |
|       |       |                 | 499.87              | B    | —               | 31.75     | 88.90  | 133.35 | 50.80 | 14.600                         | 24.72 | PHS 80-1B60   |
|       |       | 65              | 540.26              | A    | 31.75           | —         | —      | —      | —     | 14.600                         | 23.68 | PHS 80-1A65   |
|       |       |                 | 540.26              | B    | —               | 31.75     | 88.90  | 133.35 | 50.80 | 14.600                         | 28.03 | PHS 80-1B65   |
|       |       | 70              | 580.90              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 27.12 | PHS 80-1A70   |
|       |       |                 | 580.90              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 34.34 | PHS 80-1C70   |
|       |       | 72              | 596.90              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 29.80 | PHS 80-1A72   |
|       |       |                 | 596.90              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 36.92 | PHS 80-1C72   |
|       |       | 76              | 629.41              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 31.84 | PHS 80-1A76   |
|       |       |                 | 629.41              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 39.83 | PHS 80-1C76   |
|       |       | 80              | 661.67              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 36.11 | PHS 80-1A80   |
|       |       |                 | 661.67              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 40.78 | PHS 80-1C80   |
|       |       | 84              | 694.18              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 39.05 | PHS 80-1A84   |
|       |       |                 | 694.18              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 45.00 | PHS 80-1C84   |
|       |       | 90              | 742.70              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 45.81 | PHS 80-1A90   |
|       |       |                 | 742.70              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 48.08 | PHS 80-1C90   |
|       |       | 96              | 791.21              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 54.43 | PHS 80-1A96   |
|       |       |                 | 791.21              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 53.07 | PHS 80-1C96   |
|       |       | 112             | 920.50              | A    | 38.10           | —         | —      | —      | —     | 14.600                         | 74.84 | PHS 80-1A112  |
|       |       |                 | 920.50              | C    | —               | 38.10     | 107.95 | 158.75 | 88.90 | 14.600                         | 69.85 | PHS 80-1C112  |
| 31.75 | 1 1/4 | 7               | 85.09               | A    | 25.40           | —         | —      | —      | —     | 17.580                         | 0.54  | PHS 100-1A7   |
|       |       | 8               | 95.76               | A    | 25.40           | —         | —      | —      | —     | 17.580                         | 0.64  | PHS 100-1A8   |
|       |       |                 | 95.76               | B    | —               | 25.40     | 31.75  | 61.91  | 47.63 | 17.580                         | 1.04  | PHS 100-1BH8  |
|       |       | 9               | 106.17              | A    | 25.40           | —         | —      | —      | —     | 17.580                         | 0.73  | PHS 100-1A9   |
|       |       |                 | 106.17              | B    | —               | 25.40     | 41.28  | 71.44  | 47.63 | 17.580                         | 1.45  | PHS 100-1BH9  |
|       |       | 10              | 116.84              | A    | 25.40           | —         | —      | —      | —     | 17.580                         | 0.91  | PHS 100-1A10  |
|       |       |                 | 116.84              | B    | —               | 25.40     | 47.63  | 82.55  | 47.63 | 17.580                         | 1.86  | PHS 100-1BH10 |
|       |       | 11              | 127.25              | A    | 31.75           | —         | —      | —      | —     | 17.580                         | 1.13  | PHS 100-1A11  |
|       |       |                 | 127.25              | B    | —               | 25.40     | 57.15  | 90.49  | 47.63 | 17.580                         | 2.40  | PHS 100-1BH11 |
|       |       | 12              | 137.67              | A    | 31.75           | —         | —      | —      | —     | 17.580                         | 1.36  | PHS 100-1A12  |
|       |       |                 | 137.67              | B    | —               | 25.40     | 57.15  | 101.60 | 47.63 | 17.580                         | 2.90  | PHS 100-1BH12 |
|       |       | 13              | 147.83              | A    | 31.75           | —         | —      | —      | —     | 17.580                         | 1.59  | PHS 100-1A13  |
|       |       |                 | 147.83              | B    | —               | 25.40     | 60.33  | 98.43  | 41.28 | 17.580                         | 2.99  | PHS 100-1BH13 |
|       |       | 14              | 158.24              | A    | 31.75           | —         | —      | —      | —     | 17.580                         | 1.86  | PHS 100-1A14  |
|       |       |                 | 158.24              | B    | —               | 31.75     | 69.85  | 106.36 | 41.28 | 17.580                         | 3.36  | PHS 100-1BH14 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
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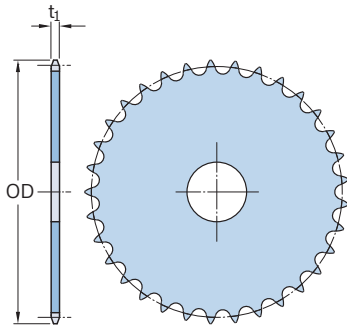
ANSI sprockets, simplex, pilot bore  
ANSI 100-1 · 31.75 mm (1 1/4") pitch

| Pitch |       | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |            | Hub H       | L          | Plate thickness t <sub>1</sub> | Mass           | Designation                   |
|-------|-------|-----------------|---------------------|--------|-----------------|------------|------------|-------------|------------|--------------------------------|----------------|-------------------------------|
| mm    | in.   |                 |                     |        | Bore stock Min. | Bore Min.  | Max.       |             |            |                                |                |                               |
| 31.75 | 1 1/4 | 15              | 168.40<br>168.40    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>76.20 | —<br>114.30 | —<br>44.45 | 17.580<br>17.580               | 2.13<br>4.17   | PHS 100-1A15<br>PHS 100-1BH15 |
|       |       | 16              | 178.56<br>178.56    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>44.45 | 17.580<br>17.580               | 2.45<br>4.49   | PHS 100-1A16<br>PHS 100-1BH16 |
|       |       | 17              | 188.98<br>188.98    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>44.45 | 17.580<br>17.580               | 2.77<br>4.90   | PHS 100-1A17<br>PHS 100-1BH17 |
|       |       | 18              | 199.14<br>199.14    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>44.45 | 17.580<br>17.580               | 3.18<br>5.22   | PHS 100-1A18<br>PHS 100-1BH18 |
|       |       | 19              | 209.30<br>209.30    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 3.54<br>5.94   | PHS 100-1A19<br>PHS 100-1BH19 |
|       |       | 20              | 219.46<br>219.46    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 3.99<br>6.44   | PHS 100-1A20<br>PHS 100-1BH20 |
|       |       | 21              | 229.62<br>229.62    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 4.45<br>6.94   | PHS 100-1A21<br>PHS 100-1BH21 |
|       |       | 22              | 239.78<br>239.78    | A<br>B | 31.75<br>—      | —<br>33.34 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 4.76<br>7.30   | PHS 100-1A22<br>PHS 100-1BH22 |
|       |       | 23              | 249.94<br>249.94    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 5.35<br>7.80   | PHS 100-1A23<br>PHS 100-1BH23 |
|       |       | 24              | 260.35<br>260.35    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 5.81<br>8.71   | PHS 100-1A24<br>PHS 100-1BH24 |
|       |       | 25              | 270.51<br>270.51    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>76.20 | —<br>114.30 | —<br>50.80 | 17.580<br>17.580               | 6.30<br>8.85   | PHS 100-1A25<br>PHS 100-1BH25 |
|       |       | 26              | 280.67<br>280.67    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>50.80 | 17.580<br>17.580               | 6.80<br>9.84   | PHS 100-1A26<br>PHS 100-1B26  |
|       |       | 27              | 290.58<br>290.58    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>50.80 | 17.580<br>17.580               | 7.26<br>10.43  | PHS 100-1A27<br>PHS 100-1B27  |
|       |       | 28              | 300.74<br>300.74    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>50.80 | 17.580<br>17.580               | 7.89<br>11.07  | PHS 100-1A28<br>PHS 100-1B28  |
|       |       | 29              | 310.90<br>310.90    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>50.80 | 17.580<br>17.580               | 8.89<br>11.34  | PHS 100-1A29<br>PHS 100-1B29  |
|       |       | 30              | 321.06<br>321.06    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>50.80 | 17.580<br>17.580               | 9.12<br>12.20  | PHS 100-1A30<br>PHS 100-1B30  |
|       |       | 31              | 331.22              | A      | 31.75           | —          | —          | —           | —          | 17.580                         | 9.75           | PHS 100-1A31                  |
|       |       | 32              | 341.38<br>341.38    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>50.80 | 17.580<br>17.580               | 10.25<br>13.52 | PHS 100-1A32<br>PHS 100-1B32  |
|       |       | 33              | 351.54              | A      | 31.75           | —          | —          | —           | —          | 17.580                         | 10.93          | PHS 100-1A33                  |
|       |       | 34              | 361.70              | A      | 31.75           | —          | —          | —           | —          | 17.580                         | 11.79          | PHS 100-1A34                  |
|       |       | 35              | 371.86<br>371.86    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 12.34<br>16.74 | PHS 100-1A35<br>PHS 100-1B35  |
|       |       | 36              | 382.02<br>382.02    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 13.61<br>17.51 | PHS 100-1A36<br>PHS 100-1B36  |
|       |       | 37              | 392.18              | A      | 31.75           | —          | —          | —           | —          | 17.580                         | 14.06          | PHS 100-1A37                  |
|       |       | 38              | 402.34<br>402.34    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 14.97<br>18.82 | PHS 100-1A38<br>PHS 100-1B38  |
|       |       | 39              | 412.24<br>412.24    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 15.88<br>19.78 | PHS 100-1A39<br>PHS 100-1B39  |
|       |       | 40              | 422.40<br>422.40    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 16.33<br>21.27 | PHS 100-1A40<br>PHS 100-1B40  |
|       |       | 41              | 432.56              | A      | 31.75           | —          | —          | —           | —          | 17.580                         | 17.69          | PHS 100-1A41                  |
|       |       | 42              | 442.72<br>442.72    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 18.14<br>22.86 | PHS 100-1A42<br>PHS 100-1B42  |
|       |       | 43              | 452.88              | A      | 38.10           | —          | —          | —           | —          | 17.580                         | 19.50          | PHS 100-1A43                  |
|       |       | 44              | 463.04              | A      | 38.10           | —          | —          | —           | —          | 17.580                         | 20.41          | PHS 100-1A44                  |
|       |       | 45              | 473.20<br>473.20    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>84.14 | —<br>127.00 | —<br>63.50 | 17.580<br>17.580               | 21.32<br>24.49 | PHS 100-1A45<br>PHS 100-1B45  |
|       |       | 46              | 483.11              | A      | 38.10           | —          | —          | —           | —          | 17.580                         | 21.77          | PHS 100-1A46                  |

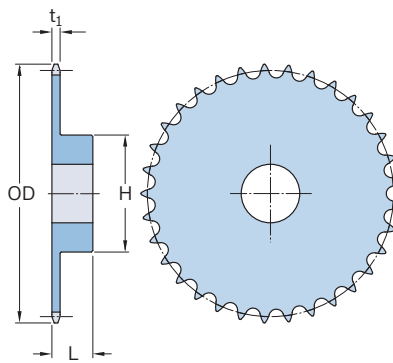
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

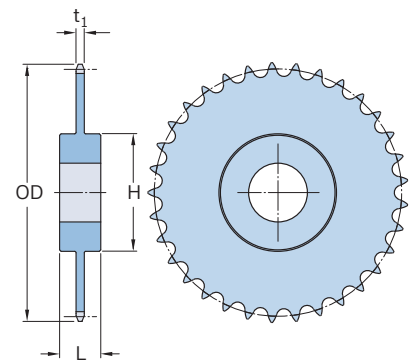
ANSI 100-1 · 31.75 mm (1 1/4") pitch | ANSI 120-1 · 38.10 mm (1 1/2") pitch



Type A



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions      |           |        | Hub H  | L      | Plate thickness t <sub>1</sub> | Mass  | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|-----------|--------|--------|--------|--------------------------------|-------|---------------|
| mm    | in.   |                 |                     |      | Bore stock Min. | Bore Min. | Max.   |        |        |                                |       |               |
| 31.75 | 1 1/4 | 47              | 493.27              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 23.59 | PHS 100-1A47  |
|       |       | 48              | 503.43              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 24.49 | PHS 100-1A48  |
|       |       |                 | 503.43              | B    | —               | 38.10     | 101.60 | 152.40 | 63.50  | 17.580                         | 29.94 | PHS 100-1B48  |
|       |       | 49              | 513.59              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 25.40 | PHS 100-1A49  |
|       |       | 50              | 523.75              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 25.85 | PHS 100-1A50  |
|       |       | 51              | 533.91              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 28.58 | PHS 100-1A51  |
|       |       | 52              | 544.07              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 29.03 | PHS 100-1A52  |
|       |       | 53              | 553.97              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 29.12 | PHS 100-1A53  |
|       |       | 54              | 564.13              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 30.84 | PHS 100-1A54  |
|       |       |                 | 564.13              | C    | —               | 38.10     | 101.60 | 152.40 | 82.55  | 17.580                         | 35.38 | PHS 100-1C54  |
|       |       | 55              | 574.29              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 31.75 | PHS 100-1A55  |
|       |       | 56              | 584.45              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 32.66 | PHS 100-1A56  |
|       |       | 57              | 594.61              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 34.38 | PHS 100-1A57  |
|       |       | 58              | 604.77              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 34.47 | PHS 100-1A58  |
|       |       | 59              | 614.68              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 34.93 | PHS 100-1A59  |
|       |       | 60              | 624.84              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 36.29 | PHS 100-1A60  |
|       |       |                 | 624.84              | C    | —               | 38.10     | 101.60 | 152.40 | 82.55  | 17.580                         | 40.37 | PHS 100-1C60  |
|       |       | 70              | 725.93              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 51.26 | PHS 100-1A70  |
|       |       |                 | 725.93              | C    | —               | 38.10     | 133.35 | 177.80 | 95.25  | 17.580                         | 56.70 | PHS 100-1C70  |
|       |       | 72              | 746.25              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 53.98 | PHS 100-1A72  |
|       |       |                 | 746.25              | C    | —               | 38.10     | 133.35 | 177.80 | 95.25  | 17.580                         | 60.78 | PHS 100-1C72  |
|       |       | 76              | 786.64              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 60.33 | PHS 100-1A76  |
|       |       |                 | 786.64              | C    | —               | 38.10     | 133.35 | 177.80 | 95.25  | 17.580                         | 64.86 | PHS 100-1C76  |
|       |       | 80              | 827.28              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 66.22 | PHS 100-1A80  |
|       |       |                 | 827.28              | C    | —               | 38.10     | 133.35 | 177.80 | 95.25  | 17.580                         | 68.49 | PHS 100-1C80  |
|       |       | 84              | 867.66              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 73.48 | PHS 100-1A84  |
|       |       |                 | 867.66              | C    | —               | 38.10     | 133.35 | 177.80 | 95.25  | 17.580                         | 77.11 | PHS 100-1C84  |
|       |       | 90              | 928.37              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 87.54 | PHS 100-1A90  |
|       |       |                 | 928.37              | C    | —               | 38.10     | 133.35 | 177.80 | 95.25  | 17.580                         | 83.46 | PHS 100-1C90  |
|       |       | 96              | 988.82              | A    | 38.10           | —         | —      | —      | —      | 17.580                         | 97.52 | PHS 100-1A96  |
|       |       |                 | 988.82              | C    | —               | 38.10     | 133.35 | 177.80 | 114.30 | 17.580                         | 92.08 | PHS 100-1C96  |
| 38.10 | 1 1/2 | 8               | 114.81              | A    | 31.75           | —         | —      | —      | —      | 23.470                         | 1.09  | PHS 120-1A8   |
|       |       | 9               | 127.51              | A    | 31.75           | —         | —      | —      | —      | 23.470                         | 1.36  | PHS 120-1A9   |
|       |       |                 | 127.51              | B    | —               | 34.93     | 46.04  | 85.73  | 57.15  | 23.470                         | 2.40  | PHS 120-1BH9  |
|       |       | 10              | 140.21              | A    | 31.75           | —         | —      | —      | —      | 23.470                         | 1.72  | PHS 120-1A10  |
|       |       |                 | 140.21              | B    | —               | 34.93     | 57.15  | 95.25  | 57.15  | 23.470                         | 3.22  | PHS 120-1BH10 |
|       |       | 11              | 152.65              | A    | 31.75           | —         | —      | —      | —      | 23.470                         | 2.18  | PHS 120-1A11  |
|       |       |                 | 152.65              | B    | —               | 34.93     | 60.33  | 90.49  | 53.98  | 23.470                         | 3.45  | PHS 120-1BH11 |
|       |       | 12              | 165.10              | A    | 31.75           | —         | —      | —      | —      | 23.470                         | 2.63  | PHS 120-1A12  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

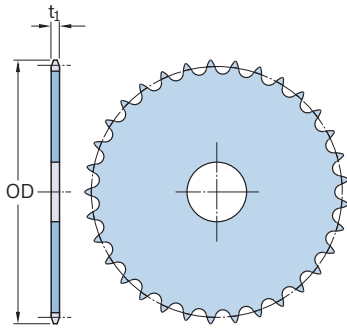
ANSI sprockets, simplex, pilot bore  
ANSI 120-1 · 38.10 mm (1 1/2") pitch

| Pitch |       | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |             | Hub H       | L           | Plate thickness t <sub>1</sub> | Mass             | Designation                   |
|-------|-------|-----------------|---------------------|--------|-----------------|------------|-------------|-------------|-------------|--------------------------------|------------------|-------------------------------|
| mm    | in.   |                 |                     |        | Bore stock Min. | Bore Min.  | Max.        |             |             |                                |                  |                               |
| 38.10 | 1 1/2 | 12              | 165.10              | B      | —               | 34.93      | 69.85       | 104.78      | 53.98       | 23.470                         | 4.49             | PHS 120-1BH12                 |
|       |       | 13              | 177.55<br>177.55    | A<br>B | 31.75<br>—      | —<br>34.93 | —<br>76.20  | —<br>115.89 | —<br>57.15  | 23.470<br>23.470               | 3.04<br>5.62     | PHS 120-1A13<br>PHS 120-1BH13 |
|       |       | 14              | 189.74<br>189.74    | A<br>B | 31.75<br>—      | —<br>34.93 | —<br>82.55  | —<br>120.65 | —<br>57.15  | 23.470<br>23.470               | 3.63<br>6.53     | PHS 120-1A14<br>PHS 120-1BH14 |
|       |       | 15              | 202.18<br>202.18    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>82.55  | —<br>120.65 | —<br>60.33  | 23.470<br>23.470               | 4.13<br>7.57     | PHS 120-1A15<br>PHS 120-1BH15 |
|       |       | 16              | 214.38<br>214.38    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 4.81<br>9.03     | PHS 120-1A16<br>PHS 120-1BH16 |
|       |       | 17              | 226.57<br>226.57    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 5.72<br>9.43     | PHS 120-1A17<br>PHS 120-1BH17 |
|       |       | 18              | 239.01<br>239.01    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 6.17<br>10.07    | PHS 120-1A18<br>PHS 120-1BH18 |
|       |       | 19              | 251.21<br>251.21    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 6.85<br>11.25    | PHS 120-1A19<br>PHS 120-1BH19 |
|       |       | 20              | 263.40<br>263.40    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 7.67<br>11.70    | PHS 120-1A20<br>PHS 120-1BH20 |
|       |       | 21              | 275.59<br>275.59    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 8.48<br>12.11    | PHS 120-1A21<br>PHS 120-1BH21 |
|       |       | 22              | 287.78<br>287.78    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 9.07<br>12.79    | PHS 120-1A22<br>PHS 120-1BH22 |
|       |       | 23              | 299.97<br>299.97    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 10.02<br>13.74   | PHS 120-1A23<br>PHS 120-1BH23 |
|       |       | 24              | 312.17<br>312.17    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 11.25<br>14.56   | PHS 120-1A24<br>PHS 120-1BH24 |
|       |       | 25              | 324.36<br>324.36    | A<br>B | 31.75<br>—      | —<br>31.75 | —<br>88.90  | —<br>133.35 | —<br>60.33  | 23.470<br>23.470               | 12.16<br>15.69   | PHS 120-1A25<br>PHS 120-1BH25 |
|       |       | 26              | 336.55<br>336.55    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>63.50  | 23.470<br>23.470               | 12.84<br>18.14   | PHS 120-1A26<br>PHS 120-1B26  |
|       |       | 27              | 348.74              | A      | 38.10           | —          | —           | —           | —           | 23.470                         | 14.02            | PHS 120-1A27                  |
|       |       | 28              | 360.93<br>360.93    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>63.50  | 23.470<br>23.470               | 15.24<br>20.37   | PHS 120-1A28<br>PHS 120-1B28  |
|       |       | 30              | 385.32<br>385.32    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>63.50  | 23.470<br>23.470               | 17.69<br>22.77   | PHS 120-1A30<br>PHS 120-1B30  |
|       |       | 32              | 409.70<br>409.70    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>63.50  | 23.470<br>23.470               | 19.91<br>25.40   | PHS 120-1A32<br>PHS 120-1B32  |
|       |       | 33              | 421.89              | A      | 38.10           | —          | —           | —           | —           | 23.470                         | 21.86            | PHS 120-1A33                  |
|       |       | 34              | 434.09              | A      | 38.10           | —          | —           | —           | —           | 23.470                         | 22.68            | PHS 120-1A34                  |
|       |       | 35              | 446.28<br>446.28    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>63.50  | 23.470<br>23.470               | 23.59<br>28.30   | PHS 120-1A35<br>PHS 120-1B35  |
|       |       | 36              | 458.47<br>458.47    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>63.50  | 23.470<br>23.470               | 25.40<br>30.12   | PHS 120-1A36<br>PHS 120-1B36  |
|       |       | 40              | 506.98<br>506.98    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>95.25  | 23.470<br>23.470               | 32.21<br>41.73   | PHS 120-1A40<br>PHS 120-1C40  |
|       |       | 42              | 531.37<br>531.37    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>95.25  | 23.470<br>23.470               | 34.02<br>44.45   | PHS 120-1A42<br>PHS 120-1C42  |
|       |       | 45              | 567.69<br>567.69    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>95.25  | 23.470<br>23.470               | 39.92<br>45.00   | PHS 120-1A45<br>PHS 120-1C45  |
|       |       | 48              | 604.27<br>604.27    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>101.60 | 23.470<br>23.470               | 46.72<br>51.26   | PHS 120-1A48<br>PHS 120-1C48  |
|       |       | 54              | 676.91<br>676.91    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>101.60 | —<br>152.40 | —<br>101.60 | 23.470<br>23.470               | 63.50<br>60.33   | PHS 120-1A54<br>PHS 120-1C54  |
|       |       | 60              | 749.81<br>749.81    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>133.35 | —<br>177.80 | —<br>101.60 | 23.470<br>23.470               | 72.57<br>72.57   | PHS 120-1A60<br>PHS 120-1C60  |
|       |       | 70              | 871.22<br>871.22    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>136.53 | —<br>190.50 | —<br>114.30 | 23.470<br>23.470               | 97.98<br>93.44   | PHS 120-1A70<br>PHS 120-1C70  |
|       |       | 80              | 992.63<br>992.63    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>136.53 | —<br>190.50 | —<br>114.30 | 23.470<br>23.470               | 128.82<br>115.21 | PHS 120-1A80<br>PHS 120-1C80  |

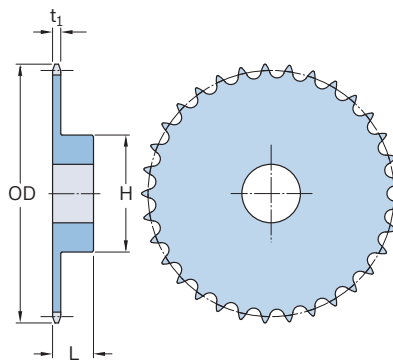
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

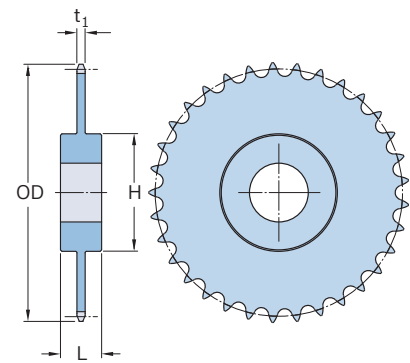
ANSI 120-1 · 38.10 mm (1 1/2") pitch | ANSI 140-1 · 44.45 mm (1 3/4") pitch



Type A



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions      |           |        | Hub H  | L     | Plate thickness t <sub>1</sub> | Mass   | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|-----------|--------|--------|-------|--------------------------------|--------|---------------|
| mm    | in.   |                 |                     |      | Bore stock Min. | Bore Min. | Max.   |        |       |                                |        |               |
| 38.10 | 1 1/2 | 90              | 1113.79             | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 162.39 | PHS 120-1A90  |
| 44.45 | 1 3/4 | 11              | 178.05              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 2.27   | PHS 140-1A11  |
|       |       |                 | 178.05              | B    | —               | 38.10     | 69.85  | 107.95 | 57.15 | 23.470                         | 5.13   | PHS 140-1BH11 |
|       |       | 12              | 192.53              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 3.54   | PHS 140-1A12  |
|       |       |                 | 192.53              | B    | —               | 38.10     | 76.20  | 114.30 | 57.15 | 23.470                         | 5.99   | PHS 140-1BH12 |
|       |       | 13              | 207.01              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 3.72   | PHS 140-1A13  |
|       |       |                 | 207.01              | B    | —               | 38.10     | 95.25  | 139.70 | 60.33 | 23.470                         | 8.57   | PHS 140-1BH13 |
|       |       | 14              | 221.49              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 4.54   | PHS 140-1A14  |
|       |       |                 | 221.49              | B    | —               | 38.10     | 95.25  | 139.70 | 60.33 | 23.470                         | 9.25   | PHS 140-1BH14 |
|       |       | 15              | 235.71              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 4.99   | PHS 140-1A15  |
|       |       |                 | 235.71              | B    | —               | 38.10     | 107.95 | 158.75 | 60.33 | 23.470                         | 11.39  | PHS 140-1BH15 |
|       |       | 16              | 250.19              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 6.35   | PHS 140-1A16  |
|       |       |                 | 250.19              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 12.66  | PHS 140-1BH16 |
|       |       | 17              | 264.41              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 7.26   | PHS 140-1A17  |
|       |       |                 | 264.41              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 13.52  | PHS 140-1BH17 |
|       |       | 18              | 278.89              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 8.16   | PHS 140-1A18  |
|       |       |                 | 278.89              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 14.51  | PHS 140-1BH18 |
|       |       | 19              | 293.12              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 9.53   | PHS 140-1A19  |
|       |       |                 | 293.12              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 15.47  | PHS 140-1BH19 |
|       |       | 20              | 307.34              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 10.43  | PHS 140-1A20  |
|       |       |                 | 307.34              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 16.33  | PHS 140-1BH20 |
|       |       | 21              | 321.56              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 11.34  | PHS 140-1A21  |
|       |       |                 | 321.56              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 17.55  | PHS 140-1BH21 |
|       |       | 22              | 335.79              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 12.70  | PHS 140-1A22  |
|       |       |                 | 335.79              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 18.42  | PHS 140-1BH22 |
|       |       | 23              | 350.01              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 13.61  | PHS 140-1A23  |
|       |       |                 | 350.01              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 19.10  | PHS 140-1BH23 |
|       |       | 24              | 364.24              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 14.97  | PHS 140-1A24  |
|       |       |                 | 364.24              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 20.96  | PHS 140-1BH24 |
|       |       | 25              | 378.46              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 15.42  | PHS 140-1A25  |
|       |       |                 | 378.46              | B    | —               | 38.10     | 107.95 | 158.75 | 63.50 | 23.470                         | 21.68  | PHS 140-1BH25 |
|       |       | 26              | 392.68              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 17.69  | PHS 140-1A26  |
|       |       |                 | 392.68              | B    | —               | 38.10     | 107.95 | 158.75 | 76.20 | 23.470                         | 25.95  | PHS 140-1B26  |
|       |       | 27              | 406.91              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 18.60  | PHS 140-1A27  |
|       |       |                 | 406.91              | B    | —               | 38.10     | 107.95 | 158.75 | 76.20 | 23.470                         | 26.54  | PHS 140-1B27  |
|       |       | 28              | 421.13              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 20.41  | PHS 140-1A28  |
|       |       |                 | 421.13              | B    | —               | 38.10     | 107.95 | 158.75 | 76.20 | 23.470                         | 28.21  | PHS 140-1B28  |
|       |       | 30              | 449.58              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 23.59  | PHS 140-1A30  |
|       |       |                 | 449.58              | B    | —               | 38.10     | 107.95 | 158.75 | 76.20 | 23.470                         | 31.66  | PHS 140-1B30  |
|       |       | 31              | 463.80              | A    | 44.45           | 38.10     | —      | —      | —     | 23.470                         | 25.40  | PHS 140-1A31  |
|       |       | 32              | 478.03              | A    | 38.10           | —         | —      | —      | —     | 23.470                         | 27.22  | PHS 140-1A32  |
|       |       |                 | 478.03              | B    | —               | 38.10     | 107.95 | 158.75 | 76.20 | 23.470                         | 34.61  | PHS 140-1B32  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

ANSI 140-1 · 44.45 mm (1 3/4") pitch | ANSI 160-1 · 50.80 mm (2") pitch

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions      |           |        | Hub H  | L      | Plate thickness t <sub>1</sub> | Mass   | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|-----------|--------|--------|--------|--------------------------------|--------|---------------|
| mm    | in.   |                 |                     |      | Bore stock Min. | Bore Min. | Max.   |        |        |                                |        |               |
| 44.45 | 1 3/4 | 35              | 520.45              | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 33.11  | PHS 140-1A35  |
|       |       |                 | 520.45              | C    | —               | 38.10     | 133.35 | 177.80 | 101.60 | 23.470                         | 48.99  | PHS 140-1C35  |
|       |       | 36              | 534.67              | A    | 44.45           | 38.10     | —      | —      | —      | 23.470                         | 34.93  | PHS 140-1A36  |
|       |       |                 |                     |      |                 |           |        |        |        |                                |        |               |
|       |       | 40              | 591.57              | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 42.18  | PHS 140-1A40  |
|       |       |                 | 591.57              | C    | —               | 38.10     | 133.35 | 177.80 | 101.60 | 23.470                         | 54.88  | PHS 140-1C40  |
|       |       | 45              | 662.43              | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 59.42  | PHS 140-1A45  |
|       |       |                 | 662.43              | C    | —               | 38.10     | 133.35 | 177.80 | 101.60 | 23.470                         | 64.41  | PHS 140-1C45  |
|       |       | 48              | 704.85              | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 60.78  | PHS 140-1A48  |
|       |       |                 | 704.85              | C    | —               | 38.10     | 133.35 | 177.80 | 101.60 | 23.470                         | 68.04  | PHS 140-1C48  |
|       |       | 54              | 789.94              | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 78.47  | PHS 140-1A54  |
|       |       |                 | 789.94              | C    | —               | 38.10     | 133.35 | 177.80 | 101.60 | 23.470                         | 80.29  | PHS 140-1C54  |
|       |       | 60              | 874.78              | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 99.34  | PHS 140-1A60  |
|       |       |                 | 874.78              | C    | —               | 38.10     | 133.35 | 177.80 | 127.00 | 23.470                         | 99.79  | PHS 140-1C60  |
|       |       | 70              | 1016.51             | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 132.45 | PHS 140-1A70  |
|       |       |                 | 1016.51             | C    | —               | 38.10     | 136.53 | 190.50 | 127.00 | 23.470                         | 127.91 | PHS 140-1C70  |
|       |       | 80              | 1157.99             | A    | 38.10           | —         | —      | —      | —      | 23.470                         | 182.34 | PHS 140-1A80  |
|       |       |                 | 1157.99             | C    | —               | 38.10     | 136.53 | 190.50 | 127.00 | 23.470                         | 150.14 | PHS 140-1C80  |
| 50.80 | 2     | 8               | 153.16              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 2.27   | PHS 160-1A8   |
|       |       |                 | 153.16              | B    | —               | 38.10     | 47.63  | 82.55  | 57.15  | 29.360                         | 3.63   | PHS 160-1BH8  |
|       |       | 9               | 170.18              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 3.18   | PHS 160-1A9   |
|       |       |                 | 170.18              | B    | —               | 38.10     | 53.98  | 92.08  | 57.15  | 29.360                         | 4.54   | PHS 160-1BH9  |
|       |       | 10              | 186.94              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 3.63   | PHS 160-1A10  |
|       |       |                 | 186.94              | B    | —               | 38.10     | 69.85  | 104.78 | 57.15  | 29.360                         | 5.44   | PHS 160-1BH10 |
|       |       | 11              | 203.45              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 4.54   | PHS 160-1A11  |
|       |       |                 | 203.45              | B    | —               | 38.10     | 82.55  | 120.65 | 63.50  | 29.360                         | 7.71   | PHS 160-1BH11 |
|       |       | 12              | 219.96              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 5.44   | PHS 160-1A12  |
|       |       |                 | 219.96              | B    | —               | 38.10     | 95.25  | 139.70 | 63.50  | 29.360                         | 9.53   | PHS 160-1BH12 |
|       |       | 13              | 236.47              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 7.26   | PHS 160-1A13  |
|       |       |                 | 236.47              | B    | —               | 38.10     | 101.60 | 152.40 | 69.85  | 29.360                         | 12.70  | PHS 160-1BH13 |
|       |       | 14              | 252.98              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 7.71   | PHS 160-1A14  |
|       |       |                 | 252.98              | B    | —               | 38.10     | 114.30 | 165.10 | 69.85  | 29.360                         | 14.51  | PHS 160-1BH14 |
|       |       | 15              | 269.49              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 9.53   | PHS 160-1A15  |
|       |       |                 | 269.49              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 16.78  | PHS 160-1BH15 |
|       |       | 16              | 286.00              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 10.89  | PHS 160-1A16  |
|       |       |                 | 286.00              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 18.60  | PHS 160-1BH16 |
|       |       | 17              | 302.26              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 12.25  | PHS 160-1A17  |
|       |       |                 | 302.26              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 20.41  | PHS 160-1BH17 |
|       |       | 18              | 318.52              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 13.61  | PHS 160-1A18  |
|       |       |                 | 318.52              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 21.77  | PHS 160-1BH18 |
|       |       | 19              | 335.03              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 15.42  | PHS 160-1A19  |
|       |       |                 | 335.03              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 23.59  | PHS 160-1BH19 |
|       |       | 20              | 351.28              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 17.24  | PHS 160-1A20  |
|       |       |                 | 351.28              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 25.40  | PHS 160-1BH20 |
|       |       | 21              | 367.54              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 19.05  | PHS 160-1A21  |
|       |       |                 | 367.54              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 26.76  | PHS 160-1BH21 |
|       |       | 22              | 383.79              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 20.87  | PHS 160-1A22  |
|       |       |                 | 383.79              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 29.48  | PHS 160-1BH22 |
|       |       | 23              | 400.05              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 22.68  | PHS 160-1A23  |
|       |       |                 | 400.05              | B    | —               | 38.10     | 133.35 | 177.80 | 69.85  | 29.360                         | 30.84  | PHS 160-1BH23 |
|       |       | 24              | 416.31              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 25.40  | PHS 160-1A24  |
|       |       |                 | 416.31              | B    | —               | 38.10     | 133.35 | 177.80 | 76.20  | 29.360                         | 34.93  | PHS 160-1BH24 |
|       |       | 25              | 432.56              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 27.67  | PHS 160-1A25  |
|       |       |                 | 432.56              | B    | —               | 38.10     | 133.35 | 177.80 | 76.20  | 29.360                         | 36.74  | PHS 160-1BH25 |
|       |       | 26              | 448.82              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 29.48  | PHS 160-1A26  |
|       |       |                 | 448.82              | B    | —               | 38.10     | 133.35 | 177.80 | 76.20  | 29.360                         | 39.01  | PHS 160-1BH26 |
|       |       | 27              | 465.07              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 32.21  | PHS 160-1A27  |
|       |       |                 | 465.07              | B    | —               | 38.10     | 133.35 | 177.80 | 76.20  | 29.360                         | 41.28  | PHS 160-1BH27 |
|       |       | 28              | 481.33              | A    | 38.10           | —         | —      | —      | —      | 29.360                         | 34.93  | PHS 160-1A28  |
|       |       |                 | 481.33              | B    | —               | 38.10     | 133.35 | 177.80 | 76.20  | 29.360                         | 44.45  | PHS 160-1BH28 |

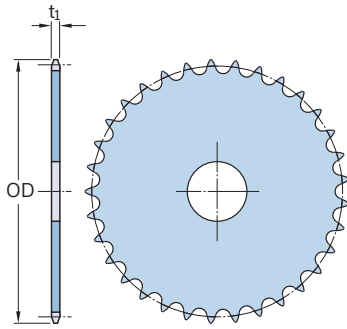
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

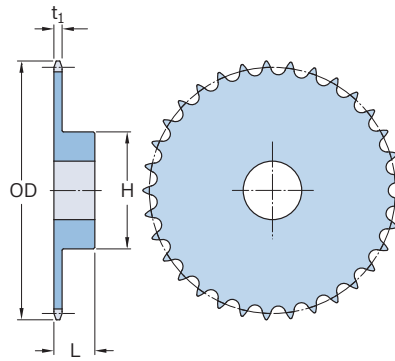
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

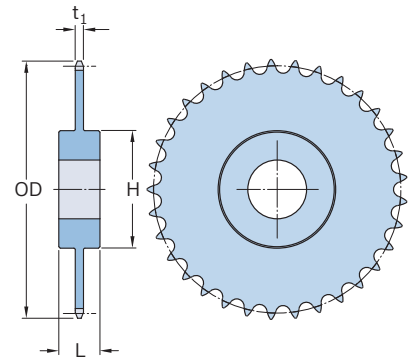
ANSI 160-1 · 50.80 mm (2") pitch | ANSI 180-1 · 57.15 mm (2 1/4") pitch



Type A



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions      |           |        | Hub H  | L      | Plate thickness t <sub>1</sub> | Mass   | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|-----------|--------|--------|--------|--------------------------------|--------|---------------|
|       |       |                 |                     |      | Bore stock Min. | Bore Min. | Max.   |        |        |                                |        |               |
| mm    | in.   | –               | mm                  | –    | mm              |           |        |        |        |                                | kg     | –             |
| 50.80 | 2     | 30              | 513.84              | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 40.82  | PHS 160-1A30  |
|       |       |                 | 513.84              | B    | –               | 38.10     | 133.35 | 177.80 | 76.20  | 29.360                         | 48.99  | PHS 160-1B30  |
|       |       | 35              | 594.87              | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 54.88  | PHS 160-1A35  |
|       |       |                 | 594.87              | C    | –               | 38.10     | 139.70 | 203.20 | 114.30 | 29.360                         | 69.85  | PHS 160-1C35  |
|       |       | 40              | 675.89              | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 62.60  | PHS 160-1A40  |
|       |       |                 | 675.89              | C    | –               | 38.10     | 139.70 | 203.20 | 114.30 | 29.360                         | 88.90  | PHS 160-1C40  |
|       |       | 45              | 756.92              | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 92.53  | PHS 160-1A45  |
|       |       |                 | 756.92              | C    | –               | 38.10     | 139.70 | 203.20 | 127.00 | 29.360                         | 106.14 | PHS 160-1C45  |
|       |       | 54              | 902.72              | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 133.36 | PHS 160-1A54  |
|       |       |                 | 902.72              | C    | –               | 38.10     | 139.70 | 203.20 | 127.00 | 29.360                         | 125.19 | PHS 160-1C54  |
|       |       | 60              | 999.74              | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 166.01 | PHS 160-1A60  |
|       |       |                 | 999.74              | C    | –               | 38.10     | 139.70 | 203.20 | 127.00 | 29.360                         | 149.23 | PHS 160-1C60  |
|       |       | 70              | 1161.54             | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 229.97 | PHS 160-1A70  |
|       |       |                 | 1161.54             | C    | –               | 38.10     | 139.70 | 203.20 | 127.00 | 29.360                         | 202.30 | PHS 160-1C70  |
|       |       | 80              | 1323.34             | A    | 38.10           | –         | –      | –      | –      | 29.360                         | 297.56 | PHS 160-1A80  |
|       |       |                 | 1323.34             | C    | –               | 38.10     | 139.70 | 203.20 | 152.40 | 29.360                         | 277.60 | PHS 160-1C80  |
| 57.15 | 2 1/4 | 11              | 228.85              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 6.35   | PHS 180-1A11  |
|       |       |                 | 228.85              | B    | –               | 38.10     | 92.08  | 139.70 | 76.20  | 33.050                         | 13.15  | PHS 180-1BH11 |
|       |       | 12              | 247.65              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 7.26   | PHS 180-1A12  |
|       |       |                 | 247.65              | B    | –               | 38.10     | 101.60 | 152.40 | 76.20  | 33.050                         | 14.51  | PHS 180-1BH12 |
|       |       | 13              | 266.19              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 9.07   | PHS 180-1A13  |
|       |       |                 | 266.19              | B    | –               | 38.10     | 117.48 | 171.45 | 79.38  | 33.050                         | 18.14  | PHS 180-1BH13 |
|       |       | 14              | 284.73              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 10.89  | PHS 180-1A14  |
|       |       |                 | 284.73              | B    | –               | 38.10     | 133.35 | 177.80 | 79.38  | 33.050                         | 19.96  | PHS 180-1BH14 |
|       |       | 15              | 303.02              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 12.70  | PHS 180-1A15  |
|       |       |                 | 303.02              | B    | –               | 38.10     | 133.35 | 177.80 | 79.38  | 33.050                         | 21.77  | PHS 180-1BH15 |
|       |       | 16              | 321.56              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 14.51  | PHS 180-1A16  |
|       |       |                 | 321.56              | B    | –               | 38.10     | 133.35 | 177.80 | 79.38  | 33.050                         | 23.59  | PHS 180-1BH16 |
|       |       | 17              | 340.11              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 16.78  | PHS 180-1A17  |
|       |       |                 | 340.11              | B    | –               | 38.10     | 133.35 | 177.80 | 79.38  | 33.050                         | 26.31  | PHS 180-1BH17 |
|       |       | 18              | 358.39              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 19.50  | PHS 180-1A18  |
|       |       |                 | 358.39              | B    | –               | 38.10     | 133.35 | 177.80 | 79.38  | 33.050                         | 28.58  | PHS 180-1BH18 |
|       |       | 19              | 376.68              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 21.32  | PHS 180-1A19  |
|       |       |                 | 376.68              | B    | –               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 33.57  | PHS 180-1BH19 |
|       |       | 20              | 395.22              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 24.04  | PHS 180-1A20  |
|       |       |                 | 395.22              | B    | –               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 36.74  | PHS 180-1BH20 |
|       |       | 21              | 413.51              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 25.85  | PHS 180-1A21  |
|       |       |                 | 413.51              | B    | –               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 37.65  | PHS 180-1BH21 |
|       |       | 22              | 431.80              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 28.12  | PHS 180-1A22  |
|       |       |                 | 431.80              | B    | –               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 41.73  | PHS 180-1BH22 |
|       |       | 23              | 450.09              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 31.30  | PHS 180-1A23  |
|       |       |                 | 450.09              | B    | –               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 44.91  | PHS 180-1BH23 |
|       |       | 24              | 468.38              | A    | 38.10           | –         | –      | –      | –      | 33.050                         | 34.93  | PHS 180-1A24  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

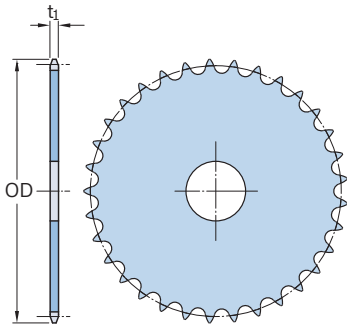
ANSI 180-1 · 57.15 mm (2 1/4") pitch | ANSI 200-1 · 63.50 mm (2 1/2") pitch

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions      |           |        | Hub H  | L      | Plate thickness t <sub>1</sub> | Mass   | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|-----------|--------|--------|--------|--------------------------------|--------|---------------|
| mm    | in.   |                 |                     |      | Bore stock Min. | Bore Min. | Max.   |        |        |                                |        |               |
| 57.15 | 2 1/4 | 24              | 468.38              | B    | —               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 47.63  | PHS 180-1BH24 |
|       |       | 25              | 486.66              | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 38.10  | PHS 180-1A25  |
|       |       |                 | 486.66              | B    | —               | 38.10     | 136.53 | 190.50 | 85.73  | 33.050                         | 51.26  | PHS 180-1BH25 |
|       |       | 28              | 541.53              | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 47.17  | PHS 180-1A28  |
|       |       |                 | 541.53              | B    | —               | 38.10     | 139.70 | 203.20 | 88.90  | 33.050                         | 61.23  | PHS 180-1B28  |
|       |       | 30              | 578.10              | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 54.43  | PHS 180-1A30  |
|       |       |                 | 578.10              | C    | —               | 38.10     | 146.05 | 215.90 | 111.13 | 33.050                         | 81.65  | PHS 180-1C30  |
|       |       | 35              | 669.29              | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 78.02  | PHS 180-1A35  |
|       |       |                 | 669.29              | C    | —               | 38.10     | 146.05 | 215.90 | 111.13 | 33.050                         | 100.70 | PHS 180-1C35  |
|       |       | 40              | 760.48              | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 103.87 | PHS 180-1A40  |
|       |       |                 | 760.48              | C    | —               | 38.10     | 146.05 | 215.90 | 111.13 | 33.050                         | 122.47 | PHS 180-1C40  |
|       |       | 45              | 851.66              | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 128.82 | PHS 180-1A45  |
|       |       |                 | 851.66              | C    | —               | 38.10     | 152.40 | 228.60 | 127.00 | 33.050                         | 142.88 | PHS 180-1C45  |
|       |       | 54              | 1015.49             | A    | 38.10           | —         | —      | —      | —      | 33.050                         | 190.51 | PHS 180-1A54  |
|       |       |                 | 1015.49             | C    | —               | 38.10     | 152.40 | 228.60 | 127.00 | 33.050                         | 216.36 | PHS 180-1C54  |
| 63.50 | 2 1/2 | 10              | 233.68              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 7.26   | PHS 200-1A10  |
|       |       |                 | 233.68              | B    | —               | 38.10     | 95.25  | 139.70 | 76.20  | 35.280                         | 11.79  | PHS 200-1BH10 |
|       |       | 11              | 254.51              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 9.07   | PHS 200-1A11  |
|       |       |                 | 254.51              | B    | —               | 38.10     | 101.60 | 152.40 | 76.20  | 35.280                         | 14.97  | PHS 200-1BH11 |
|       |       | 12              | 275.08              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 10.89  | PHS 200-1A12  |
|       |       |                 | 275.08              | B    | —               | 38.10     | 114.30 | 165.10 | 76.20  | 35.280                         | 16.78  | PHS 200-1BH12 |
|       |       | 13              | 295.66              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 13.61  | PHS 200-1A13  |
|       |       |                 | 295.66              | B    | —               | 38.10     | 133.35 | 177.80 | 76.20  | 35.280                         | 20.87  | PHS 200-1BH13 |
|       |       | 14              | 316.48              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 14.51  | PHS 200-1A14  |
|       |       |                 | 316.48              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 26.76  | PHS 200-1BH14 |
|       |       | 15              | 336.80              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 18.14  | PHS 200-1A15  |
|       |       |                 | 336.80              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 29.03  | PHS 200-1BH15 |
|       |       | 16              | 357.38              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 20.87  | PHS 200-1A16  |
|       |       |                 | 357.38              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 32.66  | PHS 200-1BH16 |
|       |       | 17              | 377.70              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 23.13  | PHS 200-1A17  |
|       |       |                 | 377.70              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 34.47  | PHS 200-1BH17 |
|       |       | 18              | 398.27              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 25.85  | PHS 200-1A18  |
|       |       |                 | 398.27              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 38.10  | PHS 200-1BH18 |
|       |       | 19              | 418.59              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 29.48  | PHS 200-1A19  |
|       |       |                 | 418.59              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 41.28  | PHS 200-1BH19 |
|       |       | 20              | 439.17              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 32.66  | PHS 200-1A20  |
|       |       |                 | 439.17              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 44.45  | PHS 200-1BH20 |
|       |       | 21              | 459.49              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 37.19  | PHS 200-1A21  |
|       |       |                 | 459.49              | B    | —               | 38.10     | 136.53 | 190.50 | 88.90  | 35.280                         | 48.08  | PHS 200-1BH21 |
|       |       | 22              | 479.81              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 39.92  | PHS 200-1A22  |
|       |       |                 | 479.81              | B    | —               | 38.10     | 146.05 | 215.90 | 101.60 | 35.280                         | 59.42  | PHS 200-1BH22 |
|       |       | 23              | 500.13              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 43.09  | PHS 200-1A23  |
|       |       |                 | 500.13              | B    | —               | 38.10     | 146.05 | 215.90 | 101.60 | 35.280                         | 61.69  | PHS 200-1BH23 |
|       |       | 24              | 520.45              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 47.63  | PHS 200-1A24  |
|       |       |                 | 520.45              | B    | —               | 38.10     | 146.05 | 215.90 | 101.60 | 35.280                         | 64.41  | PHS 200-1BH24 |
|       |       | 25              | 540.77              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 51.26  | PHS 200-1A25  |
|       |       |                 | 540.77              | B    | —               | 38.10     | 146.05 | 215.90 | 101.60 | 35.280                         | 69.40  | PHS 200-1BH25 |
|       |       | 26              | 561.09              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 56.25  | PHS 200-1A26  |
|       |       |                 | 561.09              | C    | —               | 38.10     | 146.05 | 215.90 | 114.30 | 35.280                         | 80.74  | PHS 200-1C26  |
|       |       | 28              | 601.73              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 65.32  | PHS 200-1A28  |
|       |       |                 | 601.73              | C    | —               | 38.10     | 146.05 | 215.90 | 114.30 | 35.280                         | 88.45  | PHS 200-1C28  |
|       |       | 30              | 642.37              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 75.75  | PHS 200-1A30  |
|       |       |                 | 642.37              | C    | —               | 38.10     | 146.05 | 215.90 | 114.30 | 35.280                         | 96.16  | PHS 200-1C30  |
|       |       | 32              | 682.75              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 88.45  | PHS 200-1A32  |
|       |       |                 | 682.75              | C    | —               | 38.10     | 146.05 | 215.90 | 114.30 | 35.280                         | 99.79  | PHS 200-1C32  |
|       |       | 35              | 743.71              | A    | 38.10           | —         | —      | —      | —      | 35.280                         | 102.97 | PHS 200-1A35  |
|       |       |                 | 743.71              | C    | —               | 38.10     | 146.05 | 215.90 | 114.30 | 35.280                         | 115.21 | PHS 200-1C35  |

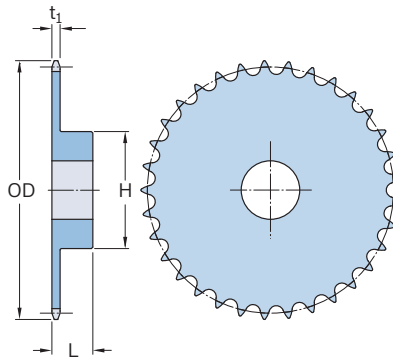
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, pilot bore

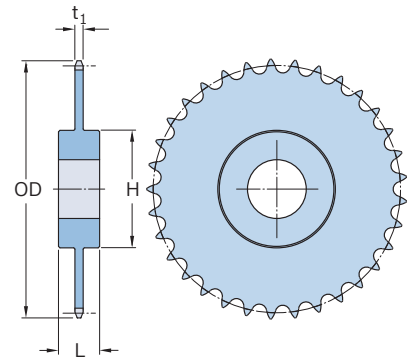
ANSI 200-1 · 63.50 mm (2 1/2") pitch | ANSI 240-1 · 76.20 mm (3") pitch



Type A



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter OD | Type   | Dimensions      |            |             | Hub H       | L           | Plate thickness t <sub>1</sub> | Mass             | Designation                   |
|-------|-------|-----------------|---------------------|--------|-----------------|------------|-------------|-------------|-------------|--------------------------------|------------------|-------------------------------|
| mm    | in.   |                 |                     |        | Bore stock Min. | Bore Min.  | Max.        |             |             |                                |                  |                               |
| 63.50 | 2 1/2 | 40              | 845.06<br>845.06    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>152.40 | —<br>228.60 | —<br>127.00 | 35.280<br>35.280               | 136.53<br>145.15 | PHS 200-1A40<br>PHS 200-1C40  |
|       |       | 45              | 946.15<br>946.15    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>152.40 | —<br>228.60 | —<br>127.00 | 35.280<br>35.280               | 176.90<br>165.11 | PHS 200-1A45<br>PHS 200-1C45  |
|       |       | 54              | 1128.27<br>1128.27  | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>165.10 | —<br>241.30 | —<br>139.70 | 35.280<br>35.280               | 251.74<br>232.24 | PHS 200-1A54<br>PHS 200-1C54  |
|       |       | 60              | 1249.68<br>1249.68  | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>165.10 | —<br>241.30 | —<br>139.70 | 35.280<br>35.280               | 313.89<br>296.65 | PHS 200-1A60<br>PHS 200-1C60  |
| 76.20 | 3     | 10              | 280.16<br>280.16    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>114.30 | —<br>165.10 | —<br>85.73  | 44.150<br>44.150               | 13.61<br>22.23   | PHS 240-1A10<br>PHS 240-1BH10 |
|       |       | 11              | 305.31<br>305.31    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>120.65 | —<br>177.80 | —<br>98.43  | 44.150<br>44.150               | 16.78<br>29.94   | PHS 240-1A11<br>PHS 240-1BH11 |
|       |       | 12              | 330.20<br>330.20    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>136.53 | —<br>190.50 | —<br>98.43  | 44.150<br>44.150               | 20.41<br>32.66   | PHS 240-1A12<br>PHS 240-1BH12 |
|       |       | 13              | 354.84<br>354.84    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>136.53 | —<br>190.50 | —<br>98.43  | 44.150<br>44.150               | 24.49<br>36.74   | PHS 240-1A13<br>PHS 240-1BH13 |
|       |       | 14              | 379.48<br>379.48    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>136.53 | —<br>190.50 | —<br>98.43  | 44.150<br>44.150               | 28.12<br>39.92   | PHS 240-1A14<br>PHS 240-1BH14 |
|       |       | 15              | 404.11<br>404.11    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>136.53 | —<br>190.50 | —<br>98.43  | 44.150<br>44.150               | 30.84<br>44.45   | PHS 240-1A15<br>PHS 240-1BH15 |
|       |       | 16              | 428.75<br>428.75    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 37.19<br>54.43   | PHS 240-1A16<br>PHS 240-1BH16 |
|       |       | 17              | 453.39<br>453.39    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 42.18<br>62.14   | PHS 240-1A17<br>PHS 240-1BH17 |
|       |       | 18              | 477.77<br>477.77    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 48.99<br>64.41   | PHS 240-1A18<br>PHS 240-1BH18 |
|       |       | 19              | 502.41<br>502.41    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 54.43<br>69.85   | PHS 240-1A19<br>PHS 240-1BH19 |
|       |       | 20              | 526.80<br>526.80    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 58.06<br>76.66   | PHS 240-1A20<br>PHS 240-1BH20 |
|       |       | 21              | 551.43<br>551.43    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 67.13<br>84.37   | PHS 240-1A21<br>PHS 240-1BH21 |
|       |       | 25              | 648.97<br>648.97    | A<br>B | 38.10<br>—      | —<br>38.10 | —<br>139.70 | —<br>203.20 | —<br>104.78 | 44.150<br>44.150               | 94.35<br>115.21  | PHS 240-1A25<br>PHS 240-1BH25 |
|       |       | 30              | 770.64<br>770.64    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>152.40 | —<br>228.60 | —<br>158.75 | 44.150<br>44.150               | 140.61<br>180.53 | PHS 240-1A30<br>PHS 240-1C30  |
|       |       | 35              | 892.30<br>892.30    | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>152.40 | —<br>228.60 | —<br>158.75 | 44.150<br>44.150               | 188.69<br>239.04 | PHS 240-1A35<br>PHS 240-1C35  |
|       |       | 40              | 1013.97<br>1013.97  | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>177.80 | —<br>254.00 | —<br>171.45 | 44.150<br>44.150               | 248.57<br>304.81 | PHS 240-1A40<br>PHS 240-1C40  |
|       |       | 45              | 1135.38<br>1135.38  | A<br>C | 38.10<br>—      | —<br>38.10 | —<br>177.80 | —<br>254.00 | —<br>171.45 | 44.150<br>44.150               | 318.42<br>385.55 | PHS 240-1A45<br>PHS 240-1C45  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

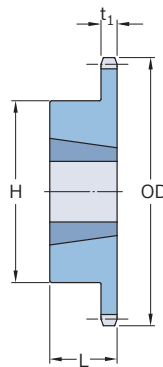
**ANSI sprockets, simplex, pilot bore**  
**ANSI 240-1 · 76.20 mm (3") pitch**

| Pitch |     | Number of teeth | Outside diameter OD | Type | Dimensions |                 |           | Hub H  | L      | Plate thickness t <sub>1</sub> | Mass   | Designation  |
|-------|-----|-----------------|---------------------|------|------------|-----------------|-----------|--------|--------|--------------------------------|--------|--------------|
| mm    | in. | –               | mm                  | –    | mm         | Bore stock Min. | Bore Min. | Max.   |        |                                | kg     | –            |
| 76.20 | 3   | 54              | 1354.07             | A    | 38.10      | –               | –         | –      | –      | 44.150                         | 463.57 | PHS 240-1A54 |
|       |     |                 | 1354.07             | C    | –          | 38.10           | 177.80    | 254.00 | 171.45 | 44.150                         | 520.72 | PHS 240-1C54 |
|       |     | 60              | 1499.62             | A    | 38.10      | –               | –         | –      | –      | 44.150                         | 575.15 | PHS 240-1A60 |
|       |     |                 | 1499.62             | C    | –          | 38.10           | 177.80    | 254.00 | 171.45 | 44.150                         | 643.65 | PHS 240-1C60 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

# ANSI sprockets, simplex, taper bushed

ANSI 35-1 · 9.53 mm (<sup>3</sup>/<sub>8</sub>") pitch | ANSI 41-1 · 12.70 mm (1/2") pitch



Note: "H" mounted bushing illustrated

Type B

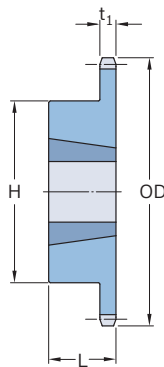
| Pitch |                             | Number of teeth | Diameters  |          | Type | Bushing number | Dimensions |       | L     | H     | Plate thickness t <sub>1</sub> | Mass |         | Designation   |
|-------|-----------------------------|-----------------|------------|----------|------|----------------|------------|-------|-------|-------|--------------------------------|------|---------|---------------|
|       |                             |                 | Outside OD | Pitch PD |      |                | Bore Min.  | Max.  |       |       |                                | Rim  | Bushing |               |
| mm    | in.                         | –               | mm         | –        | –    | –              | mm         |       |       |       |                                | kg   | –       | –             |
| 9.53  | <sup>3</sup> / <sub>8</sub> | 18              | 59.69      | 54.86    | B    | 1008           | 9.53       | 25.40 | 22.23 | 47.63 | 4.270                          | 0.2  | 0.1     | PHS 35-1TBH18 |
|       |                             | 19              | 62.74      | 57.91    | B    | 1008           | 9.53       | 25.40 | 22.23 | 46.04 | 4.270                          | 0.2  | 0.1     | PHS 35-1TBH19 |
|       |                             | 20              | 65.79      | 60.96    | B    | 1008           | 9.53       | 25.40 | 22.23 | 49.21 | 4.270                          | 0.3  | 0.1     | PHS 35-1TBH20 |
|       |                             | 21              | 68.83      | 64.01    | B    | 1008           | 9.53       | 25.40 | 22.23 | 52.39 | 4.270                          | 0.3  | 0.1     | PHS 35-1TBH21 |
|       |                             | 22              | 73.15      | 66.80    | B    | 1210           | 15.88      | 31.75 | 25.40 | 60.33 | 4.270                          | 0.4  | 0.3     | PHS 35-1TBH22 |
|       |                             | 23              | 74.93      | 69.85    | B    | 1210           | 15.88      | 31.75 | 25.40 | 61.91 | 4.270                          | 0.4  | 0.3     | PHS 35-1TBH23 |
|       |                             | 24              | 77.98      | 72.90    | B    | 1210           | 15.88      | 31.75 | 25.40 | 61.91 | 4.270                          | 0.4  | 0.3     | PHS 35-1TBH24 |
|       |                             | 25              | 81.03      | 75.95    | B    | 1210           | 15.88      | 31.75 | 25.40 | 61.91 | 4.270                          | 0.5  | 0.3     | PHS 35-1TBH25 |
|       |                             | 26              | 84.07      | 78.99    | B    | 1610           | 12.70      | 41.28 | 25.40 | 73.03 | 4.270                          | 0.5  | 0.4     | PHS 35-1TB26  |
|       |                             | 28              | 90.17      | 85.09    | B    | 1610           | 12.70      | 41.28 | 25.40 | 73.03 | 4.270                          | 0.5  | 0.4     | PHS 35-1TB28  |
|       |                             | 30              | 96.27      | 91.19    | B    | 1610           | 12.70      | 41.28 | 25.40 | 79.38 | 4.270                          | 0.5  | 0.4     | PHS 35-1TB30  |
|       |                             | 32              | 102.36     | 97.28    | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 0.6  | 0.4     | PHS 35-1TB32  |
|       |                             | 35              | 111.51     | 106.17   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 0.6  | 0.4     | PHS 35-1TB35  |
|       |                             | 36              | 114.55     | 109.22   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 0.6  | 0.4     | PHS 35-1TB36  |
|       |                             | 40              | 126.75     | 121.67   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 0.9  | 0.4     | PHS 35-1TB40  |
|       |                             | 42              | 132.84     | 127.51   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 0.9  | 0.4     | PHS 35-1TB42  |
|       |                             | 45              | 141.99     | 136.65   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 1.0  | 0.4     | PHS 35-1TB45  |
|       |                             | 48              | 151.13     | 145.54   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 1.0  | 0.4     | PHS 35-1TB48  |
|       |                             | 54              | 169.16     | 163.83   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 1.2  | 0.4     | PHS 35-1TB54  |
|       |                             | 60              | 187.45     | 182.12   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 1.4  | 0.4     | PHS 35-1TB60  |
|       |                             | 70              | 217.68     | 212.34   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 1.7  | 0.4     | PHS 35-1TB70  |
|       |                             | 72              | 223.77     | 218.44   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 1.8  | 0.4     | PHS 35-1TB72  |
|       |                             | 80              | 248.16     | 242.57   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 2.0  | 0.4     | PHS 35-1TB80  |
|       |                             | 84              | 260.35     | 254.76   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 2.2  | 0.4     | PHS 35-1TB84  |
|       |                             | 96              | 296.67     | 291.08   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 2.7  | 0.4     | PHS 35-1TB96  |
|       |                             | 112             | 345.19     | 339.60   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55 | 4.270                          | 3.5  | 0.4     | PHS 35-1TB112 |
| 12.70 | 1/2                         | 14              | 63.25      | 57.15    | B    | 1008           | 9.53       | 25.40 | 22.23 | 47.63 | 4.27                           | 0.2  | 0.1     | PHS 41-1TBH14 |
|       |                             | 15              | 67.31      | 60.96    | B    | 1008           | 9.53       | 25.40 | 22.23 | 47.63 | 4.27                           | 0.2  | 0.1     | PHS 41-1TBH15 |
|       |                             | 16              | 71.37      | 63.50    | B    | 1008           | 9.53       | 25.40 | 22.23 | 50.80 | 4.27                           | 0.3  | 0.1     | PHS 41-1TBH16 |
|       |                             | 17              | 75.44      | 69.09    | B    | 1210           | 15.88      | 31.75 | 25.40 | 60.33 | 4.27                           | 0.3  | 0.3     | PHS 41-1TBH17 |
|       |                             | 18              | 79.76      | 73.15    | B    | 1210           | 15.88      | 31.75 | 25.40 | 85.73 | 4.27                           | 0.4  | 0.3     | PHS 41-1TBH18 |
|       |                             | 19              | 83.82      | 77.22    | B    | 1210           | 15.88      | 31.75 | 25.40 | 63.50 | 4.27                           | 0.5  | 0.3     | PHS 41-1TBH19 |
|       |                             | 20              | 87.88      | 81.28    | B    | 1610           | 12.70      | 41.28 | 25.40 | 73.03 | 4.27                           | 0.5  | 0.4     | PHS 41-1TBH20 |
|       |                             | 21              | 91.95      | 85.34    | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.5  | 0.4     | PHS 41-1TBH21 |
|       |                             | 22              | 96.01      | 89.15    | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.6  | 0.4     | PHS 41-1TBH22 |
|       |                             | 23              | 100.08     | 93.22    | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.6  | 0.4     | PHS 41-1TBH23 |
|       |                             | 24              | 104.14     | 97.28    | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.6  | 0.4     | PHS 41-1TBH24 |
|       |                             | 25              | 108.20     | 101.35   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.7  | 0.4     | PHS 41-1TBH25 |
|       |                             | 26              | 112.27     | 105.41   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.7  | 0.4     | PHS 41-1TB26  |
|       |                             | 28              | 120.40     | 113.54   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.8  | 0.4     | PHS 41-1TB28  |
|       |                             | 30              | 128.52     | 121.41   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.8  | 0.4     | PHS 41-1TB30  |
|       |                             | 32              | 136.65     | 129.54   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 0.9  | 0.4     | PHS 41-1TB32  |
|       |                             | 35              | 148.84     | 141.73   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 1.0  | 0.4     | PHS 41-1TB35  |
|       |                             | 36              | 152.91     | 145.80   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 1.1  | 0.4     | PHS 41-1TB36  |
|       |                             | 40              | 168.91     | 161.80   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 1.2  | 0.4     | PHS 41-1TB40  |
|       |                             | 45              | 189.23     | 182.12   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 1.6  | 0.4     | PHS 41-1TB45  |
|       |                             | 48              | 201.42     | 194.06   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 1.9  | 0.4     | PHS 41-1TB48  |
|       |                             | 54              | 225.55     | 218.44   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 2.2  | 0.4     | PHS 41-1TB54  |
|       |                             | 60              | 249.94     | 242.57   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 2.6  | 0.4     | PHS 41-1TB60  |
|       |                             | 70              | 290.32     | 282.96   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 3.4  | 0.4     | PHS 41-1TB70  |
|       |                             | 72              | 298.45     | 291.08   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 3.7  | 0.4     | PHS 41-1TB72  |
|       |                             | 80              | 330.96     | 323.60   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 4.4  | 0.4     | PHS 41-1TB80  |
|       |                             | 96              | 395.48     | 388.11   | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20 | 4.27                           | 5.9  | 0.4     | PHS 41-1TB96  |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-1TBH18.



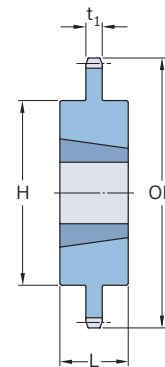
# ANSI sprockets, simplex, taper bushed

ANSI 60-1 · 19.05 mm (<sup>3</sup>/<sub>4</sub>" ) pitch | ANSI 80-1 · 25.40 mm (1" ) pitch



Type B

Note: "H" mounted bushing illustrated



Type C

| Pitch |                             | Number of teeth | Diameters  |          | Type | Bushing number | Dimensions |       | L     | H      | Plate thickness t <sub>1</sub> | Mass |         | Designation   |
|-------|-----------------------------|-----------------|------------|----------|------|----------------|------------|-------|-------|--------|--------------------------------|------|---------|---------------|
|       |                             |                 | Outside OD | Pitch PD |      |                | Bore Min.  | Max.  |       |        |                                | Rim  | Bushing |               |
| mm    | in.                         | –               | mm         | –        | –    | –              | mm         |       |       |        |                                | kg   | –       | –             |
| 19.05 | <sup>3</sup> / <sub>4</sub> | 21              | 137.92     | 127.76   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.1  | 0.8     | PHS 60-1TBH21 |
|       |                             | 22              | 144.02     | 133.86   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.3  | 0.8     | PHS 60-1TBH22 |
|       |                             | 23              | 150.11     | 139.95   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.4  | 0.8     | PHS 60-1TBH23 |
|       |                             | 24              | 156.21     | 146.05   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.5  | 0.8     | PHS 60-1TBH24 |
|       |                             | 25              | 162.31     | 151.89   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.7  | 0.8     | PHS 60-1TBH25 |
|       |                             | 26              | 168.40     | 157.99   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.8  | 0.8     | PHS 60-1TB26  |
|       |                             | 27              | 174.50     | 163.07   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 1.9  | 0.8     | PHS 60-1TB27  |
|       |                             | 28              | 180.59     | 170.18   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 2.1  | 0.8     | PHS 60-1TB28  |
|       |                             | 30              | 192.79     | 182.12   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 2.4  | 0.8     | PHS 60-1TB30  |
|       |                             | 32              | 204.72     | 194.31   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 2.5  | 0.8     | PHS 60-1TB32  |
|       |                             | 35              | 223.01     | 212.60   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 2.9  | 0.8     | PHS 60-1TB35  |
|       |                             | 36              | 229.11     | 218.69   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 3.0  | 0.8     | PHS 60-1TB36  |
|       |                             | 40              | 253.49     | 242.82   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 3.8  | 0.8     | PHS 60-1TB40  |
|       |                             | 42              | 265.68     | 255.02   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 4.5  | 0.8     | PHS 60-1TB42  |
|       |                             | 45              | 283.97     | 273.05   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 5.2  | 0.8     | PHS 60-1TB45  |
|       |                             | 48              | 302.01     | 291.34   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 11.660                         | 6.0  | 0.8     | PHS 60-1TB48  |
|       |                             | 54              | 338.58     | 327.66   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 11.660                         | 7.8  | 1.6     | PHS 60-1TB54  |
|       |                             | 60              | 374.90     | 363.98   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 11.660                         | 9.5  | 1.6     | PHS 60-1TB60  |
|       |                             | 70              | 435.61     | 424.69   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 11.660                         | 12.5 | 1.6     | PHS 60-1TB70  |
|       |                             | 72              | 447.80     | 436.63   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 11.660                         | 13.6 | 1.6     | PHS 60-1TB72  |
|       |                             | 80              | 496.32     | 485.14   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 11.660                         | 16.5 | 1.6     | PHS 60-1TB80  |
|       |                             | 84              | 520.45     | 509.52   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 11.660                         | 18.4 | 1.6     | PHS 60-1TB84  |
| 25.40 | 1                           | 10              | 93.47      | 82.30    | B    | 1215           | 15.88      | 31.75 | 38.10 | 60.33  | 14.600                         | 0.5  | 0.4     | PHS 80-1TBH10 |
|       |                             | 11              | 101.85     | 90.17    | B    | 1215           | 15.88      | 31.75 | 38.10 | 62.71  | 14.600                         | 0.7  | 0.4     | PHS 80-1TBH11 |
|       |                             | 12              | 109.98     | 98.04    | B    | 1615           | 12.70      | 41.28 | 38.10 | 76.20  | 14.600                         | 0.8  | 0.5     | PHS 80-1TBH12 |
|       |                             | 13              | 118.36     | 106.17   | B    | 1615           | 12.70      | 41.28 | 38.10 | 76.20  | 14.600                         | 1.0  | 0.5     | PHS 80-1TBH13 |
|       |                             | 14              | 126.49     | 114.05   | B    | 1615           | 12.70      | 41.28 | 38.10 | 82.55  | 14.600                         | 1.1  | 0.5     | PHS 80-1TBH14 |
|       |                             | 15              | 134.62     | 122.17   | B    | 1615           | 12.70      | 41.28 | 38.10 | 82.55  | 14.600                         | 1.2  | 0.5     | PHS 80-1TBH15 |
|       |                             | 16              | 143.00     | 130.30   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 14.600                         | 1.3  | 0.8     | PHS 80-1TBH16 |
|       |                             | 17              | 151.13     | 138.18   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 14.600                         | 1.4  | 0.8     | PHS 80-1TBH17 |
|       |                             | 18              | 159.26     | 146.30   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 14.600                         | 1.2  | 0.8     | PHS 80-1TBH18 |
|       |                             | 19              | 167.39     | 154.43   | B    | 2012           | 19.05      | 50.80 | 31.75 | 90.49  | 14.600                         | 1.9  | 0.8     | PHS 80-1TBH19 |
|       |                             | 20              | 175.51     | 162.31   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 2.5  | 0.8     | PHS 80-1TBH20 |
|       |                             | 21              | 183.90     | 170.43   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 2.7  | 1.6     | PHS 80-1TBH21 |
|       |                             | 22              | 191.77     | 178.56   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 3.0  | 1.6     | PHS 80-1TBH22 |
|       |                             | 23              | 200.15     | 186.44   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 3.2  | 1.6     | PHS 80-1TBH23 |
|       |                             | 24              | 208.28     | 194.56   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 3.4  | 1.6     | PHS 80-1TBH24 |
|       |                             | 25              | 216.41     | 202.69   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 3.7  | 1.6     | PHS 80-1TBH25 |
|       |                             | 26              | 224.54     | 210.82   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 4.0  | 1.6     | PHS 80-1TB26  |
|       |                             | 27              | 232.66     | 218.69   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 4.1  | 1.6     | PHS 80-1TB27  |
|       |                             | 28              | 240.54     | 226.82   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 4.3  | 1.6     | PHS 80-1TB28  |
|       |                             | 30              | 256.79     | 243.08   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 5.2  | 1.6     | PHS 80-1TB30  |
|       |                             | 32              | 273.05     | 259.08   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 5.4  | 1.6     | PHS 80-1TB32  |
|       |                             | 35              | 297.43     | 283.46   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 6.9  | 1.6     | PHS 80-1TB35  |
|       |                             | 36              | 305.56     | 291.34   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 7.7  | 1.6     | PHS 80-1TB36  |
|       |                             | 40              | 338.07     | 323.85   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 9.5  | 1.6     | PHS 80-1TB40  |
|       |                             | 45              | 378.46     | 364.24   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 12.0 | 1.6     | PHS 80-1TB45  |
|       |                             | 48              | 402.84     | 388.37   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 13.4 | 1.6     | PHS 80-1TB48  |
|       |                             | 54              | 451.36     | 436.88   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 17.5 | 1.6     | PHS 80-1TB54  |
|       |                             | 60              | 499.87     | 485.39   | B    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 14.600                         | 20.4 | 1.6     | PHS 80-1TB60  |
|       |                             | 70              | 580.90     | 566.17   | B    | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.600                         | 23.7 | 3.0     | PHS 80-1TB70  |
|       |                             | 80              | 661.67     | 646.94   | B    | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.600                         | 31.4 | 3.0     | PHS 80-1TB80  |

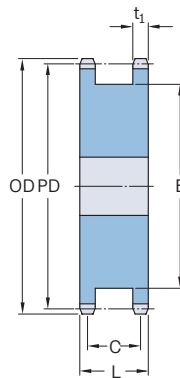
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-1TBH18.



# ANSI sprockets, double simplex, pilot bore

ANSI 40-1 · 12.70 mm (1/2") pitch | ANSI 50-1 · 15.88 mm (5/8") pitch | ANSI 60-1 · 19.05 mm (3/4") pitch |

ANSI 80-1 · 25.40 mm (1") pitch | ANSI 100-1 · 31.75 mm (1 1/4") pitch



Type A

| Pitch |     | Number of teeth | Diameters |        | Type | Dimensions |       | L     | C     | E      | Plate thickness<br>t <sub>1</sub> | Mass | Designation    |
|-------|-----|-----------------|-----------|--------|------|------------|-------|-------|-------|--------|-----------------------------------|------|----------------|
|       |     |                 | Outside   | Pitch  |      | Bore       |       |       |       |        |                                   |      |                |
|       |     |                 | OD        | PD     |      | Min.       | Max.  |       |       |        |                                   |      |                |
| mm    | in. | –               | mm        | –      | mm   |            |       |       |       |        |                                   | kg   | –              |
| 12.70 | 1/2 | 15              | 67.31     | 60.96  | A    | 12.70      | 31.75 | 35.79 | 28.58 | 46.04  | 7.210                             | 0.5  | PHS 40-1DSA15  |
|       |     | 16              | 71.37     | 65.02  | A    | 12.70      | 31.75 | 35.79 | 28.58 | 50.80  | 7.210                             | 0.6  | PHS 40-1DSA16  |
|       |     | 17              | 75.69     | 69.09  | A    | 12.70      | 33.34 | 35.79 | 28.58 | 53.98  | 7.210                             | 0.7  | PHS 40-1DSA17  |
|       |     | 18              | 79.76     | 73.15  | A    | 12.70      | 38.10 | 35.79 | 28.58 | 58.74  | 7.210                             | 0.8  | PHS 40-1DSA18  |
|       |     | 19              | 83.82     | 77.22  | A    | 15.88      | 42.86 | 35.79 | 28.58 | 63.50  | 7.210                             | 1.0  | PHS 40-1DSA19  |
|       |     | 20              | 87.88     | 81.28  | A    | 15.88      | 44.45 | 35.79 | 28.58 | 66.68  | 7.210                             | 1.2  | PHS 40-1DSA20  |
|       |     | 21              | 91.95     | 85.34  | A    | 15.88      | 44.45 | 35.79 | 28.58 | 70.64  | 7.210                             | 1.3  | PHS 40-1DSA21  |
|       |     | 22              | 96.01     | 89.15  | A    | 15.88      | 46.04 | 35.79 | 28.58 | 74.61  | 7.210                             | 1.4  | PHS 40-1DSA22  |
|       |     | 23              | 100.08    | 93.22  | A    | 15.88      | 52.39 | 35.79 | 28.58 | 78.58  | 7.210                             | 1.6  | PHS 40-1DSA23  |
|       |     | 24              | 104.14    | 97.28  | A    | 15.88      | 57.15 | 35.79 | 28.58 | 82.55  | 7.210                             | 1.8  | PHS 40-1DSA24  |
|       |     | 25              | 108.20    | 101.35 | A    | 15.88      | 57.15 | 35.79 | 28.58 | 86.52  | 7.210                             | 2.0  | PHS 40-1DSA25  |
|       |     | 15              | 84.33     | 76.45  | A    | 15.88      | 38.10 | 42.07 | 33.35 | 60.33  | 8.710                             | 1.0  | PHS 50-1DSA15  |
|       |     | 16              | 89.41     | 81.28  | A    | 15.88      | 42.86 | 42.07 | 33.35 | 63.50  | 8.710                             | 1.1  | PHS 50-1DSA16  |
|       |     | 17              | 94.49     | 86.36  | A    | 15.88      | 44.45 | 42.07 | 33.35 | 66.68  | 8.710                             | 1.3  | PHS 50-1DSA17  |
|       |     | 18              | 99.57     | 91.44  | A    | 15.88      | 47.63 | 42.07 | 33.35 | 70.64  | 8.710                             | 1.5  | PHS 50-1DSA18  |
|       |     | 19              | 104.65    | 96.52  | A    | 15.88      | 52.39 | 42.07 | 33.35 | 74.61  | 8.710                             | 1.7  | PHS 50-1DSA19  |
|       |     | 20              | 109.73    | 101.60 | A    | 15.88      | 57.15 | 42.07 | 33.35 | 78.58  | 8.710                             | 1.9  | PHS 50-1DSA20  |
|       |     | 21              | 114.81    | 106.43 | A    | 15.88      | 57.15 | 42.07 | 33.35 | 82.55  | 8.710                             | 2.2  | PHS 50-1DSA21  |
|       |     | 22              | 119.89    | 111.51 | A    | 15.88      | 61.91 | 42.07 | 33.35 | 86.52  | 8.710                             | 2.4  | PHS 50-1DSA22  |
|       |     | 23              | 124.97    | 116.59 | A    | 15.88      | 66.68 | 42.07 | 33.35 | 90.49  | 8.710                             | 2.6  | PHS 50-1DSA23  |
|       |     | 24              | 130.05    | 121.67 | A    | 15.88      | 69.85 | 42.07 | 33.35 | 94.46  | 8.710                             | 2.9  | PHS 50-1DSA24  |
|       |     | 13              | 88.65     | 79.50  | A    | 19.05      | 31.75 | 49.36 | 37.70 | 59.53  | 11.660                            | 1.2  | PHS 60-1DSA13  |
|       |     | 14              | 95.00     | 85.60  | A    | 19.05      | 33.34 | 49.36 | 37.70 | 65.09  | 11.660                            | 1.5  | PHS 60-1DSA14  |
|       |     | 15              | 101.09    | 91.69  | A    | 19.05      | 38.10 | 49.36 | 37.70 | 70.64  | 11.660                            | 1.7  | PHS 60-1DSA15  |
|       |     | 16              | 107.19    | 97.54  | A    | 19.05      | 42.86 | 49.36 | 37.70 | 76.19  | 11.660                            | 2.0  | PHS 60-1DSA16  |
|       |     | 17              | 113.28    | 103.63 | A    | 19.05      | 44.45 | 49.36 | 37.70 | 81.74  | 11.660                            | 2.4  | PHS 60-1DSA17  |
|       |     | 18              | 119.38    | 109.73 | A    | 19.05      | 47.63 | 49.36 | 37.70 | 86.29  | 11.660                            | 3.0  | PHS 60-1DSA18  |
|       |     | 19              | 125.73    | 115.82 | A    | 19.05      | 52.39 | 49.36 | 37.70 | 90.84  | 11.660                            | 3.1  | PHS 60-1DSA19  |
|       |     | 20              | 131.83    | 121.67 | A    | 19.05      | 57.15 | 49.36 | 37.70 | 95.39  | 11.660                            | 3.2  | PHS 60-1DSA20  |
|       |     | 21              | 137.92    | 127.76 | A    | 19.05      | 61.91 | 49.36 | 37.70 | 100.41 | 11.660                            | 3.4  | PHS 60-1DSA21  |
|       |     | 22              | 144.02    | 133.86 | A    | 19.05      | 66.68 | 49.36 | 37.70 | 105.43 | 11.660                            | 5.0  | PHS 60-1DSA22  |
|       |     | 23              | 150.11    | 139.95 | A    | 19.05      | 69.85 | 49.36 | 37.70 | 110.45 | 11.660                            | 5.2  | PHS 60-1DSA23  |
|       |     | 24              | 156.21    | 146.05 | A    | 19.05      | 72.92 | 49.36 | 37.70 | 115.47 | 11.660                            | 5.4  | PHS 60-1DSA24  |
| 25.40 | 1   | 13              | 118.36    | 106.17 | A    | 25.40      | 50.80 | 55.88 | 41.28 | 76.60  | 14.600                            | 3.0  | PHS 80-1DSA13  |
|       |     | 14              | 126.49    | 114.05 | A    | 25.40      | 57.15 | 55.88 | 41.28 | 84.93  | 14.600                            | 3.5  | PHS 80-1DSA14  |
|       |     | 15              | 134.62    | 122.17 | A    | 25.40      | 60.33 | 55.88 | 41.28 | 96.84  | 14.600                            | 4.1  | PHS 80-1DSA15  |
|       |     | 16              | 143.00    | 130.30 | A    | 25.40      | 68.26 | 55.88 | 41.28 | 101.60 | 14.600                            | 4.3  | PHS 80-1DSA16  |
|       |     | 17              | 151.13    | 138.18 | A    | 25.40      | 71.44 | 55.88 | 41.28 | 109.54 | 14.600                            | 4.9  | PHS 80-1DSA17  |
|       |     | 18              | 159.26    | 146.30 | A    | 25.40      | 79.38 | 55.88 | 41.28 | 117.87 | 14.600                            | 5.5  | PHS 80-1DSA18  |
|       |     | 19              | 167.39    | 154.43 | A    | 25.40      | 82.55 | 55.88 | 41.28 | 125.81 | 14.600                            | 5.8  | PHS 80-1DSA19  |
|       |     | 20              | 175.51    | 162.31 | A    | 25.40      | 88.90 | 55.88 | 41.28 | 134.14 | 14.600                            | 6.4  | PHS 80-1DSA20  |
|       |     | 21              | 183.90    | 170.43 | A    | 25.40      | 95.25 | 55.88 | 41.28 | 142.08 | 14.600                            | 7.5  | PHS 80-1DSA21  |
|       |     | 22              | 192.02    | 178.56 | A    | 25.40      | 98.43 | 55.88 | 41.28 | 150.42 | 14.600                            | 8.4  | PHS 80-1DSA22  |
|       |     | 23              | 200.15    | 186.44 | A    | 25.40      | 98.43 | 55.88 | 41.28 | 158.35 | 14.600                            | 9.3  | PHS 80-1DSA23  |
|       |     | 13              | 147.83    | 132.59 | A    | 31.75      | 63.50 | 68.38 | 50.80 | 96.04  | 17.580                            | 5.1  | PHS 100-1DSA13 |
|       |     | 14              | 158.24    | 142.75 | A    | 31.75      | 69.85 | 68.38 | 50.80 | 106.36 | 17.580                            | 6.1  | PHS 100-1DSA14 |
|       |     | 15              | 168.40    | 152.65 | A    | 31.75      | 77.79 | 68.38 | 50.80 | 116.68 | 17.580                            | 7.6  | PHS 100-1DSA15 |
|       |     | 16              | 178.56    | 162.81 | A    | 31.75      | 82.55 | 68.38 | 50.80 | 127.00 | 17.580                            | 8.8  | PHS 100-1DSA16 |
|       |     | 17              | 188.98    | 172.72 | A    | 31.75      | 92.08 | 68.38 | 50.80 | 137.32 | 17.580                            | 9.8  | PHS 100-1DSA17 |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 40-1DSA15H.

# ANSI sprockets, double simplex, pilot bore

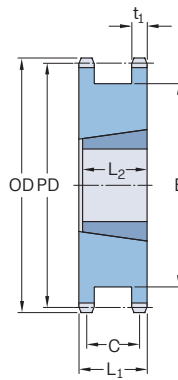
ANSI 100-1 · 31.75 mm (1 1/4") pitch | ANSI 120-1 · 38.10 mm (1 1/2") pitch | ANSI 140-1 · 44.45 mm (1 3/4") pitch |

ANSI 160-1 · 50.80 mm (2") pitch

| Pitch |       | Number of teeth | Diameters Outside |        | Type | Dimensions Bore |        | L      | C     | E      | Plate thickness t <sub>1</sub> | Mass | Designation    |
|-------|-------|-----------------|-------------------|--------|------|-----------------|--------|--------|-------|--------|--------------------------------|------|----------------|
|       |       |                 | OD                | PD     |      | Min.            | Max.   |        |       |        |                                |      |                |
| mm    | in.   | –               | mm                | –      | –    | mm              |        |        |       |        |                                | kg   | –              |
| 31.75 | 1 1/4 | 18              | 199.14            | 182.88 | A    | 31.75           | 95.25  | 68.38  | 50.80 | 147.24 | 17.580                         | 10.4 | PHS 100-1DSA18 |
|       |       | 19              | 209.30            | 192.79 | A    | 31.75           | 106.36 | 68.38  | 50.80 | 157.56 | 17.580                         | 11.3 | PHS 100-1DSA19 |
|       |       | 20              | 219.46            | 202.95 | A    | 31.75           | 106.36 | 68.38  | 50.80 | 167.88 | 17.580                         | 12.0 | PHS 100-1DSA20 |
|       |       | 21              | 229.62            | 213.11 | A    | 31.75           | 133.35 | 68.38  | 50.80 | 177.80 | 17.580                         | 13.2 | PHS 100-1DSA21 |
| 38.10 | 1 1/2 | 15              | 202.18            | 183.13 | A    | 36.51           | 95.25  | 85.38  | 61.91 | 139.70 | 23.470                         | 13.6 | PHS 120-1DSA15 |
|       |       | 16              | 214.38            | 195.33 | A    | 36.51           | 101.60 | 85.38  | 61.91 | 152.40 | 23.470                         | 15.4 | PHS 120-1DSA16 |
|       |       | 17              | 226.57            | 207.26 | A    | 36.51           | 112.71 | 85.38  | 61.91 | 164.70 | 23.470                         | 16.8 | PHS 120-1DSA17 |
|       |       | 18              | 239.01            | 219.46 | A    | 36.51           | 131.76 | 85.38  | 61.91 | 164.70 | 23.470                         | 19.1 | PHS 120-1DSA18 |
|       |       | 19              | 251.21            | 231.39 | A    | 36.51           | 139.70 | 85.38  | 61.91 | 189.31 | 23.470                         | 21.3 | PHS 120-1DSA19 |
|       |       | 20              | 263.40            | 243.59 | A    | 36.51           | 150.81 | 85.38  | 61.91 | 201.61 | 23.470                         | 23.1 | PHS 120-1DSA20 |
| 44.45 | 1 3/4 | 14              | 221.49            | 199.64 | A    | 36.51           | 98.43  | 91.73  | 68.26 | 149.23 | 23.470                         | 15.9 | PHS 140-1DSA14 |
|       |       | 15              | 235.71            | 213.87 | A    | 36.51           | 112.71 | 91.73  | 68.26 | 163.91 | 23.470                         | 19.5 | PHS 140-1DSA15 |
|       |       | 16              | 250.19            | 227.84 | A    | 36.51           | 133.35 | 91.73  | 68.26 | 178.20 | 23.470                         | 22.2 | PHS 140-1DSA16 |
|       |       | 17              | 264.41            | 241.81 | A    | 36.51           | 141.29 | 91.73  | 68.26 | 192.48 | 23.470                         | 26.3 | PHS 140-1DSA17 |
| 50.80 | 2     | 18              | 278.89            | 256.03 | A    | 36.51           | 155.58 | 91.73  | 68.26 | 206.77 | 23.470                         | 29.9 | PHS 140-1DSA18 |
|       |       | 15              | 269.49            | 244.35 | A    | 42.86           | 139.70 | 107.95 | 78.58 | 187.33 | 29.36                          | 31.3 | PHS 160-1DSA15 |
|       |       | 16              | 286.00            | 260.35 | A    | 42.86           | 152.40 | 107.95 | 78.58 | 203.60 | 29.36                          | 34.0 | PHS 160-1DSA16 |
|       |       | 17              | 302.26            | 276.35 | A    | 42.86           | 165.10 | 107.95 | 78.58 | 219.87 | 29.36                          | 41.7 | PHS 160-1DSA17 |
|       |       | 18              | 318.52            | 292.61 | A    | 42.86           | 173.04 | 107.95 | 78.58 | 236.54 | 29.36                          | 44.0 | PHS 160-1DSA18 |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 40-1DSAH15.

# ANSI sprockets, double simplex, taper bushed



Type A taper bush

| Pitch |       | Number<br>of teeth | Diameters |        | Type   | Bushing<br>number | Dimensions |       | L1    | C      | E      | L2     | Plate<br>thickness<br>t <sub>1</sub> | Mass <sup>1)</sup> | Designation      |                  |
|-------|-------|--------------------|-----------|--------|--------|-------------------|------------|-------|-------|--------|--------|--------|--------------------------------------|--------------------|------------------|------------------|
|       |       |                    | Outside   | Pitch  |        |                   | Bore       |       |       |        |        |        |                                      |                    |                  |                  |
|       |       |                    | OD        | PD     |        |                   | Min.       | Max.  |       |        |        |        |                                      |                    |                  |                  |
| mm    | in.   | –                  | mm        | –      | –      | mm                |            |       |       |        |        |        |                                      | kg                 | –                |                  |
| 12.70 | 1/2   | 18                 | 79.76     | 73.15  | A      | 1215              | 12.70      | 31.75 | 35.72 | 28.58  | 58.74  | 38.10  | 7.210                                | 0.5                | PHS 40-1DSTBH18  |                  |
|       |       | 19                 | 83.82     | 77.22  | A      | 1215              | 12.70      | 31.75 | 35.72 | 28.58  | 63.50  | 38.10  | 7.210                                | 0.5                | PHS 40-1DSTBH19  |                  |
|       |       | 20                 | 87.88     | 81.28  | A      | 1215              | 12.70      | 31.75 | 35.72 | 28.58  | 66.68  | 38.10  | 7.210                                | 0.6                | PHS 40-1DSTBH20  |                  |
|       |       | 21                 | 91.95     | 85.34  | A      | 1615              | 12.70      | 41.28 | 35.72 | 28.58  | 70.64  | 38.10  | 7.210                                | 0.6                | PHS 40-1DSTBH21  |                  |
|       |       | 23                 | 100.08    | 93.22  | A      | 1615              | 12.70      | 41.28 | 35.72 | 28.58  | 78.58  | 38.10  | 7.210                                | 0.7                | PHS 40-1DSTBH23  |                  |
|       | 24    | 104.14             | 97.28     | A      | 1615   | 12.70             | 41.28      | 35.72 | 28.58 | 82.95  | 38.10  | 7.210  | 0.8                                  | PHS 40-1DSTBH24    |                  |                  |
|       | 15.88 | 5/8                | 16        | 89.41  | 81.28  | A                 | 1215       | 12.70 | 41.28 | 42.07  | 33.34  | 63.10  | 38.10                                | 8.710              | 1.4              | PHS 50-1DSTBH16  |
|       |       |                    | 17        | 94.49  | 86.36  | A                 | 1615       | 12.70 | 41.28 | 42.07  | 33.34  | 68.26  | 38.10                                | 8.710              | 0.8              | PHS 50-1DSTBH17  |
|       |       |                    | 18        | 99.57  | 91.44  | A                 | 1615       | 12.70 | 41.28 | 42.07  | 33.34  | 73.42  | 38.10                                | 8.710              | 1.0              | PHS 50-1DSTBH18  |
|       |       |                    | 19        | 104.65 | 96.52  | A                 | 1615       | 12.70 | 41.28 | 42.07  | 33.34  | 78.18  | 38.10                                | 8.710              | 1.2              | PHS 50-1DSTBH19  |
| 20    |       |                    | 109.73    | 101.60 | A      | 1615              | 12.70      | 41.28 | 42.07 | 33.34  | 83.34  | 38.10  | 8.710                                | 2.3                | PHS 50-1DSTBH20  |                  |
| 21    |       | 114.81             | 106.43    | A      | 2012   | 12.70             | 50.80      | 42.07 | 33.34 | 88.50  | 31.75  | 8.710  | 1.5                                  | PHS 50-1DSTBH21    |                  |                  |
| 23    |       | 124.97             | 116.59    | A      | 2012   | 12.70             | 50.80      | 42.07 | 33.34 | 98.82  | 31.75  | 8.710  | 1.7                                  | PHS 50-1DSTBH23    |                  |                  |
| 24    |       | 130.05             | 121.67    | A      | 2012   | 12.70             | 50.80      | 42.07 | 33.34 | 103.58 | 31.75  | 8.710  | 1.9                                  | PHS 50-1DSTBH24    |                  |                  |
| 19.05 |       | 3/4                | 16        | 107.19 | 97.54  | A                 | 1615       | 12.70 | 41.28 | 49.21  | 37.70  | 75.80  | 38.10                                | 11.660             | 2.0              | PHS 60-1DSTBH16  |
|       |       |                    | 17        | 113.28 | 101.60 | A                 | 1615       | 12.70 | 41.28 | 49.21  | 37.70  | 81.76  | 38.10                                | 11.660             | 2.0              | PHS 60-1DSTBH17  |
|       | 18    |                    | 119.38    | 109.73 | A      | 2012              | 12.70      | 50.80 | 49.21 | 37.70  | 88.11  | 31.75  | 11.660                               | 2.3                | PHS 60-1DSTBH18  |                  |
|       | 19    |                    | 125.73    | 115.82 | A      | 2012              | 12.70      | 50.80 | 49.21 | 37.70  | 94.06  | 31.75  | 11.660                               | 2.6                | PHS 60-1DSTBH19  |                  |
|       | 20    |                    | 131.83    | 121.67 | A      | 2517              | 12.70      | 63.50 | 49.21 | 37.70  | 100.41 | 44.45  | 11.660                               | 2.5                | PHS 60-1DSTBH20  |                  |
|       | 21    | 137.92             | 127.76    | A      | 2517   | 12.70             | 63.50      | 49.21 | 37.70 | 106.36 | 44.45  | 11.660 | 2.9                                  | PHS 60-1DSTBH21    |                  |                  |
|       | 23    | 150.11             | 139.95    | A      | 2517   | 12.70             | 63.50      | 49.21 | 37.70 | 118.67 | 44.45  | 11.660 | 3.3                                  | PHS 60-1DSTBH23    |                  |                  |
|       | 24    | 156.21             | 146.05    | A      | 2517   | 12.70             | 63.50      | 49.21 | 37.70 | 131.76 | 44.45  | 11.660 | 3.7                                  | PHS 60-1DSTBH24    |                  |                  |
|       | 25.40 | 1                  | 17        | 151.13 | 138.18 | A                 | 2517       | 12.70 | 63.50 | 55.56  | 41.28  | 109.54 | 44.45                                | 14.600             | 3.5              | PHS 80-1DSTBH17  |
|       |       |                    | 18        | 159.26 | 146.30 | A                 | 2517       | 12.70 | 63.50 | 55.56  | 41.28  | 120.65 | 44.45                                | 14.600             | 4.0              | PHS 80-1DSTBH18  |
| 19    |       |                    | 167.39    | 154.43 | A      | 3020              | 23.81      | 76.20 | 55.56 | 41.28  | 125.81 | 50.80  | 14.600                               | 4.4                | PHS 80-1DSTBH19  |                  |
| 20    |       |                    | 175.51    | 162.31 | A      | 3020              | 23.81      | 76.20 | 55.56 | 41.28  | 134.14 | 50.80  | 14.600                               | 4.5                | PHS 80-1DSTBH20  |                  |
| 21    |       |                    | 183.90    | 170.43 | A      | 3020              | 23.81      | 76.20 | 55.56 | 41.28  | 142.08 | 50.80  | 14.600                               | 5.4                | PHS 80-1DSTBH21  |                  |
| 22    |       | 192.02             | 178.56    | A      | 3020   | 23.81             | 76.20      | 55.56 | 41.28 | 142.08 | 50.80  | 14.600 | 5.9                                  | PHS 80-1DSTBH22    |                  |                  |
| 23    |       | 200.15             | 186.44    | A      | 3020   | 23.81             | 76.20      | 55.56 | 41.28 | 158.35 | 50.80  | 14.600 | 6.6                                  | PHS 80-1DSTBH23    |                  |                  |
| 31.75 |       | 1 1/4              | 15        | 168.40 | 152.65 | A                 | 2517       | 19.05 | 63.50 | 68.26  | 50.80  | 116.68 | 44.45                                | 17.580             | 5.7              | PHS 100-1DSTBH15 |
|       |       |                    | 16        | 178.56 | 162.81 | A                 | 2517       | 19.05 | 63.50 | 68.26  | 50.80  | 127.00 | 44.45                                | 17.580             | 5.9              | PHS 100-1DSTBH16 |
|       |       |                    | 17        | 188.98 | 172.72 | A                 | 3020       | 23.81 | 76.20 | 68.26  | 50.80  | 137.32 | 50.80                                | 17.580             | 6.4              | PHS 100-1DSTBH17 |
|       | 18    |                    | 199.14    | 182.88 | A      | 3020              | 23.81      | 76.20 | 68.26 | 50.80  | 147.24 | 50.80  | 17.580                               | 7.3                | PHS 100-1DSTBH18 |                  |
|       | 19    |                    | 209.30    | 192.79 | A      | 3020              | 23.81      | 76.20 | 68.26 | 50.80  | 157.56 | 50.80  | 17.580                               | 9.1                | PHS 100-1DSTBH19 |                  |
|       | 20    | 219.46             | 202.95    | A      | 3020   | 23.81             | 76.20      | 68.26 | 50.80 | 167.88 | 44.45  | 17.580 | 12.5                                 | PHS 100-1DSTBH20   |                  |                  |
|       | 21    | 229.62             | 213.11    | A      | 3020   | 23.81             | 76.20      | 68.26 | 50.80 | 177.80 | 50.80  | 17.580 | 12.5                                 | PHS 100-1DSTBH21   |                  |                  |

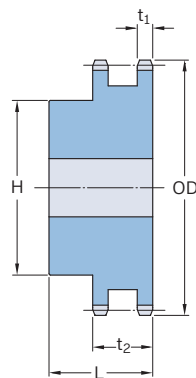
<sup>1)</sup> Mass for rim only

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 40-1DSTBH18.

# ANSI sprockets, duplex, pilot bore

ANSI 35-2 · 9.53 mm (<sup>3</sup>/<sub>8</sub>" pitch | ANSI 40-2 · 12.70 mm (1/2" pitch



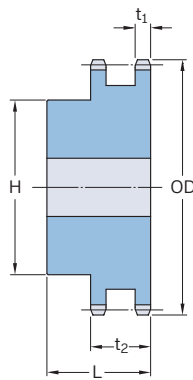
Type B

| Pitch |                             | Number of teeth | Outside diameter<br>OD | Type | Dimensions<br>Bore |       | H     | L     | Plate thickness |                | Mass | Designation  |
|-------|-----------------------------|-----------------|------------------------|------|--------------------|-------|-------|-------|-----------------|----------------|------|--------------|
|       |                             |                 |                        |      | Min.               | Max.  |       |       | t <sub>1</sub>  | t <sub>2</sub> |      |              |
| mm    | in.                         | –               | mm                     | –    | mm                 |       |       |       |                 |                | kg   | –            |
| 9.53  | <sup>3</sup> / <sub>8</sub> | 12              | 41.40                  | B    | 12.70              | 14.29 | 25.00 | 31.75 | 4.110           | 14.250         | 0.15 | PHS 35-2BH12 |
|       |                             | 13              | 44.45                  | B    | 12.70              | 17.46 | 28.18 | 31.75 | 4.110           | 14.250         | 0.16 | PHS 35-2BH13 |
|       |                             | 14              | 47.50                  | B    | 12.70              | 22.23 | 31.75 | 31.75 | 4.110           | 14.250         | 0.20 | PHS 35-2BH14 |
|       |                             | 15              | 50.55                  | B    | 12.70              | 23.81 | 35.72 | 31.75 | 4.110           | 14.250         | 0.25 | PHS 35-2BH15 |
|       |                             | 16              | 53.59                  | B    | 12.70              | 23.81 | 37.31 | 31.75 | 4.110           | 14.250         | 0.29 | PHS 35-2BH16 |
|       |                             | 17              | 56.64                  | B    | 12.70              | 17.46 | 40.48 | 31.75 | 4.110           | 14.250         | 0.34 | PHS 35-2BH17 |
|       |                             | 18              | 59.69                  | B    | 12.70              | 20.64 | 43.66 | 31.75 | 4.110           | 14.250         | 0.38 | PHS 35-2BH18 |
|       |                             | 19              | 62.74                  | B    | 12.70              | 23.81 | 47.63 | 31.75 | 4.110           | 14.250         | 0.44 | PHS 35-2BH19 |
|       |                             | 20              | 65.79                  | B    | 19.05              | 23.81 | 49.21 | 34.93 | 4.110           | 14.250         | 0.49 | PHS 35-2BH20 |
|       |                             | 21              | 68.83                  | B    | 19.05              | 34.93 | 52.39 | 34.93 | 4.110           | 14.250         | 0.56 | PHS 35-2BH21 |
|       |                             | 22              | 71.88                  | B    | 19.05              | 36.51 | 55.56 | 34.93 | 4.110           | 14.250         | 0.64 | PHS 35-2BH22 |
|       |                             | 23              | 74.93                  | B    | 19.05              | 38.10 | 57.15 | 34.93 | 4.110           | 14.250         | 0.70 | PHS 35-2BH23 |
|       |                             | 24              | 77.98                  | B    | 19.05              | 38.10 | 57.15 | 34.93 | 4.110           | 14.250         | 0.73 | PHS 35-2BH24 |
|       |                             | 25              | 81.03                  | B    | 19.05              | 38.10 | 57.15 | 34.93 | 4.110           | 14.250         | 0.75 | PHS 35-2BH25 |
|       |                             | 26              | 84.07                  | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 0.90 | PHS 35-2B26  |
|       |                             | 30              | 96.27                  | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 1.06 | PHS 35-2B30  |
|       |                             | 36              | 114.55                 | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 1.36 | PHS 35-2B36  |
|       |                             | 42              | 132.84                 | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 1.72 | PHS 35-2B42  |
|       |                             | 48              | 151.13                 | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 2.11 | PHS 35-2B48  |
|       |                             | 52              | 163.32                 | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 2.45 | PHS 35-2B52  |
|       |                             | 60              | 187.45                 | B    | 19.05              | 44.45 | 63.50 | 34.93 | 4.110           | 14.250         | 3.10 | PHS 35-2B60  |
|       |                             | 68              | 211.84                 | B    | 19.05              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 4.54 | PHS 35-2B68  |
|       |                             | 72              | 223.77                 | B    | 19.05              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 5.01 | PHS 35-2B72  |
|       |                             | 76              | 235.97                 | B    | 19.05              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 5.42 | PHS 35-2B76  |
|       |                             | 84              | 260.35                 | B    | 19.05              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 6.79 | PHS 35-2B84  |
|       |                             | 95              | 293.62                 | B    | 25.40              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 7.90 | PHS 35-2B95  |
|       |                             | 96              | 296.67                 | B    | 25.40              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 8.23 | PHS 35-2B96  |
|       |                             | 102             | 314.96                 | B    | 25.40              | 60.33 | 88.90 | 38.10 | 4.110           | 14.250         | 9.04 | PHS 35-2B102 |
| 12.70 | 1/2                         | 11              | 50.80                  | B    | 12.70              | 19.05 | 36.51 | 38.10 | 6.990           | 21.360         | 0.28 | PHS 40-2BH11 |
|       |                             | 12              | 55.12                  | B    | 12.70              | 23.81 | 39.69 | 38.10 | 6.990           | 21.360         | 0.34 | PHS 40-2BH12 |
|       |                             | 13              | 59.18                  | B    | 12.70              | 25.40 | 38.10 | 38.10 | 6.990           | 21.360         | 0.39 | PHS 40-2BH13 |
|       |                             | 14              | 63.25                  | B    | 12.70              | 28.58 | 42.86 | 38.10 | 6.990           | 21.360         | 0.49 | PHS 40-2BH14 |
|       |                             | 15              | 67.31                  | B    | 12.70              | 31.75 | 46.04 | 38.10 | 6.990           | 21.360         | 0.56 | PHS 40-2BH15 |
|       |                             | 16              | 71.37                  | B    | 15.88              | 34.93 | 50.80 | 38.10 | 6.990           | 21.360         | 0.64 | PHS 40-2BH16 |
|       |                             | 17              | 75.69                  | B    | 15.88              | 36.51 | 53.98 | 38.10 | 6.990           | 21.360         | 0.74 | PHS 40-2BH17 |
|       |                             | 18              | 79.76                  | B    | 15.88              | 38.10 | 58.74 | 38.10 | 6.990           | 21.360         | 0.87 | PHS 40-2BH18 |
|       |                             | 19              | 83.82                  | B    | 15.88              | 44.45 | 63.50 | 38.10 | 6.990           | 21.360         | 1.01 | PHS 40-2BH19 |
|       |                             | 20              | 87.88                  | B    | 15.88              | 47.63 | 66.68 | 41.28 | 6.990           | 21.360         | 1.20 | PHS 40-2BH20 |
|       |                             | 21              | 91.95                  | B    | 15.88              | 47.63 | 69.85 | 41.28 | 6.990           | 21.360         | 1.33 | PHS 40-2BH21 |
|       |                             | 22              | 96.01                  | B    | 15.88              | 47.63 | 73.03 | 41.28 | 6.990           | 21.360         | 1.44 | PHS 40-2BH22 |
|       |                             | 23              | 100.08                 | B    | 15.88              | 50.80 | 76.20 | 41.28 | 6.990           | 21.360         | 1.60 | PHS 40-2BH23 |
|       |                             | 24              | 104.14                 | B    | 15.88              | 57.15 | 82.55 | 41.28 | 6.990           | 21.360         | 1.83 | PHS 40-2BH24 |
|       |                             | 25              | 108.20                 | B    | 15.88              | 57.15 | 82.55 | 41.28 | 6.990           | 21.360         | 1.93 | PHS 40-2BH25 |
|       |                             | 26              | 112.27                 | B    | 15.88              | 57.15 | 82.55 | 41.28 | 6.990           | 21.360         | 2.03 | PHS 40-2B26  |
|       |                             | 30              | 128.52                 | B    | 22.23              | 57.15 | 82.55 | 41.28 | 6.990           | 21.360         | 2.42 | PHS 40-2B30  |
|       |                             | 35              | 148.84                 | B    | 22.23              | 57.15 | 82.55 | 41.28 | 6.990           | 21.360         | 3.08 | PHS 40-2B35  |
|       |                             | 36              | 152.91                 | B    | 23.81              | 63.50 | 95.25 | 41.28 | 6.990           | 21.360         | 3.27 | PHS 40-2B36  |
|       |                             | 40              | 168.91                 | B    | 23.81              | 63.50 | 95.25 | 44.45 | 6.990           | 21.360         | 4.26 | PHS 40-2B40  |
|       |                             | 42              | 177.04                 | B    | 23.81              | 63.50 | 95.25 | 44.45 | 6.990           | 21.360         | 4.63 | PHS 40-2B42  |
|       |                             | 45              | 189.23                 | B    | 23.81              | 63.50 | 95.25 | 44.45 | 6.990           | 21.360         | 5.15 | PHS 40-2B45  |
|       |                             | 48              | 201.42                 | B    | 23.81              | 63.50 | 95.25 | 44.45 | 6.990           | 21.360         | 5.74 | PHS 40-2B48  |
|       |                             | 52              | 217.68                 | B    | 23.81              | 63.50 | 95.25 | 44.45 | 6.990           | 21.360         | 6.56 | PHS 40-2B52  |
|       |                             | 54              | 225.81                 | B    | 23.81              | 63.50 | 95.25 | 44.45 | 6.990           | 21.360         | 7.02 | PHS 40-2B54  |

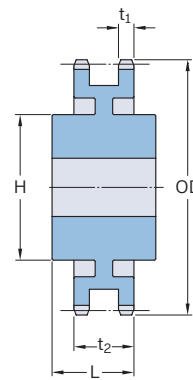
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-2BH12.

# ANSI sprockets, duplex, pilot bore

ANSI 40-2 · 12.70 mm (1/2") pitch | ANSI 50-2 · 15.88 mm (5/8") pitch | ANSI 60-2 · 19.05 mm (3/4") pitch



Type B



Type C

| Pitch |        | Number of teeth | Outside diameter OD | Type  | Dimensions     |                | H      | L      | Plate thickness |              | Mass  | Designation  |
|-------|--------|-----------------|---------------------|-------|----------------|----------------|--------|--------|-----------------|--------------|-------|--------------|
| Bore  |        |                 |                     |       | t <sub>1</sub> | t <sub>2</sub> |        |        |                 |              |       |              |
| Min.  | Max.   |                 |                     |       |                |                |        |        |                 |              |       |              |
| mm    | in.    | –               | mm                  | –     | mm             |                |        |        |                 |              | kg    | –            |
| 12.70 | 1/2    | 60              | 249.94              | B     | 23.81          | 63.50          | 95.25  | 44.45  | 6.990           | 21.360       | 8.44  | PHS 40-2B60  |
|       |        | 68              | 282.45              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 11.32 | PHS 40-2B68  |
|       |        | 72              | 298.45              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 12.65 | PHS 40-2B72  |
|       |        | 76              | 314.71              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 13.69 | PHS 40-2B76  |
|       |        | 84              | 346.96              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 16.44 | PHS 40-2B84  |
|       |        | 95              | 391.41              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 17.62 | PHS 40-2B95  |
|       |        | 96              | 395.48              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 17.92 | PHS 40-2B96  |
|       |        | 102             | 419.86              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 19.38 | PHS 40-2B102 |
|       |        | 112             | 460.25              | B     | 30.16          | 69.85          | 107.95 | 53.98  | 6.990           | 21.360       | 25.19 | PHS 40-2B112 |
|       |        | 11              | 63.50               | B     | 15.88          | 23.81          | 37.31  | 44.45  | 8.430           | 26.540       | 0.44  | PHS 50-2BH11 |
|       |        | 12              | 68.83               | B     | 15.88          | 28.58          | 42.86  | 44.45  | 8.430           | 26.540       | 0.57  | PHS 50-2BH12 |
|       |        | 13              | 73.91               | B     | 15.88          | 33.34          | 47.63  | 44.45  | 8.430           | 26.540       | 0.71  | PHS 50-2BH13 |
|       |        | 14              | 78.99               | B     | 15.88          | 34.93          | 52.39  | 44.45  | 8.430           | 26.540       | 0.84  | PHS 50-2BH14 |
|       |        | 15              | 84.33               | B     | 19.05          | 38.10          | 58.74  | 44.45  | 8.430           | 26.540       | 1.01  | PHS 50-2BH15 |
|       |        | 16              | 89.41               | B     | 19.05          | 44.45          | 63.50  | 44.45  | 8.430           | 26.540       | 1.19  | PHS 50-2BH16 |
|       |        | 17              | 94.49               | B     | 19.05          | 47.63          | 68.26  | 44.45  | 8.430           | 26.540       | 1.38  | PHS 50-2BH17 |
| 18    | 99.57  | B               | 19.05               | 49.21 | 74.61          | 44.45          | 8.430  | 26.540 | 1.62            | PHS 50-2BH18 |       |              |
| 19    | 104.65 | B               | 25.40               | 53.98 | 79.38          | 44.45          | 8.430  | 26.540 | 1.77            | PHS 50-2BH19 |       |              |
| 20    | 109.73 | B               | 25.40               | 57.15 | 82.55          | 44.45          | 8.430  | 26.540 | 1.93            | PHS 50-2BH20 |       |              |
| 21    | 114.81 | B               | 25.40               | 60.33 | 88.90          | 44.45          | 8.430  | 26.540 | 2.22            | PHS 50-2BH21 |       |              |
| 22    | 119.89 | B               | 25.40               | 60.33 | 90.49          | 47.63          | 8.430  | 26.540 | 2.53            | PHS 50-2BH22 |       |              |
| 23    | 124.97 | B               | 25.40               | 63.50 | 92.08          | 47.63          | 8.430  | 26.540 | 2.77            | PHS 50-2BH23 |       |              |
| 24    | 130.05 | B               | 25.40               | 63.50 | 92.08          | 47.63          | 8.430  | 26.540 | 2.95            | PHS 50-2BH24 |       |              |
| 25    | 135.13 | B               | 25.40               | 63.50 | 92.08          | 47.63          | 8.430  | 26.540 | 3.15            | PHS 50-2BH25 |       |              |
| 26    | 140.21 | B               | 25.40               | 63.50 | 95.25          | 47.63          | 8.430  | 26.540 | 3.42            | PHS 50-2B26  |       |              |
| 30    | 160.53 | B               | 25.40               | 63.50 | 95.25          | 47.63          | 8.430  | 26.540 | 4.26            | PHS 50-2B30  |       |              |
| 32    | 170.69 | B               | 25.40               | 63.50 | 95.25          | 47.63          | 8.430  | 26.540 | 4.74            | PHS 50-2B32  |       |              |
| 35    | 185.93 | B               | 25.40               | 63.50 | 95.25          | 47.63          | 8.430  | 26.540 | 5.57            | PHS 50-2B35  |       |              |
| 36    | 191.01 | B               | 30.16               | 69.85 | 101.60         | 53.98          | 8.430  | 26.540 | 6.32            | PHS 50-2B36  |       |              |
| 40    | 211.33 | B               | 30.16               | 69.85 | 101.60         | 53.98          | 8.430  | 26.540 | 7.50            | PHS 50-2B40  |       |              |
| 42    | 221.49 | B               | 30.16               | 69.85 | 101.60         | 53.98          | 8.430  | 26.540 | 8.13            | PHS 50-2B42  |       |              |
| 45    | 236.47 | B               | 30.16               | 69.85 | 101.60         | 53.98          | 8.430  | 26.540 | 9.21            | PHS 50-2B45  |       |              |
| 48    | 251.71 | B               | 30.16               | 69.85 | 107.95         | 60.33          | 8.430  | 26.540 | 10.92           | PHS 50-2B48  |       |              |
| 52    | 272.03 | B               | 30.16               | 69.85 | 107.95         | 60.33          | 8.430  | 26.540 | 12.44           | PHS 50-2B52  |       |              |
| 54    | 282.19 | B               | 30.16               | 69.85 | 107.95         | 60.33          | 8.430  | 26.540 | 13.23           | PHS 50-2B54  |       |              |
| 60    | 312.42 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 16.27           | PHS 50-2B60  |       |              |
| 68    | 352.81 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 20.40           | PHS 50-2B68  |       |              |
| 72    | 373.13 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 22.78           | PHS 50-2B72  |       |              |
| 76    | 393.45 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 20.70           | PHS 50-2B76  |       |              |
| 84    | 433.83 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 23.42           | PHS 50-2B84  |       |              |
| 95    | 489.46 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 29.18           | PHS 50-2B95  |       |              |
| 96    | 494.54 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 30.58           | PHS 50-2B96  |       |              |
| 102   | 524.76 | B               | 33.34               | 76.20 | 114.30         | 60.33          | 8.430  | 26.540 | 32.97           | PHS 50-2B102 |       |              |
| 112   | 575.31 | B               | 33.34               | 84.14 | 133.35         | 60.33          | 8.430  | 26.540 | 40.92           | PHS 50-2B112 |       |              |
| 19.05 | 3/4    | 11              | 76.20               | B     | 25.40          | 31.75          | 46.04  | 53.98  | 11.280          | 34.060       | 0.73  | PHS 60-2BH11 |
|       |        | 12              | 82.55               | B     | 25.40          | 36.51          | 53.98  | 53.98  | 11.280          | 34.060       | 1.00  | PHS 60-2BH12 |
|       |        | 13              | 88.65               | B     | 25.40          | 38.10          | 57.15  | 53.98  | 11.280          | 34.060       | 1.18  | PHS 60-2BH13 |
|       |        | 14              | 95.00               | B     | 25.40          | 44.45          | 63.50  | 53.98  | 11.280          | 34.060       | 1.47  | PHS 60-2BH14 |
|       |        | 15              | 101.09              | B     | 25.40          | 47.63          | 71.44  | 53.98  | 11.280          | 34.060       | 1.80  | PHS 60-2BH15 |
|       |        | 16              | 107.19              | B     | 25.40          | 50.80          | 76.20  | 53.98  | 11.280          | 34.060       | 2.10  | PHS 60-2BH16 |
|       |        | 17              | 113.28              | B     | 25.40          | 57.15          | 82.55  | 53.98  | 11.280          | 34.060       | 2.45  | PHS 60-2BH17 |
|       |        | 18              | 119.38              | B     | 25.40          | 60.33          | 88.90  | 53.98  | 11.280          | 34.060       | 2.83  | PHS 60-2BH18 |
|       |        | 19              | 125.73              | B     | 25.40          | 63.50          | 93.66  | 53.98  | 11.280          | 34.060       | 3.18  | PHS 60-2BH19 |
|       |        | 20              | 131.83              | B     | 25.40          | 63.50          | 95.25  | 53.98  | 11.280          | 34.060       | 3.50  | PHS 60-2BH20 |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-2BH12..

# ANSI sprockets, duplex, pilot bore

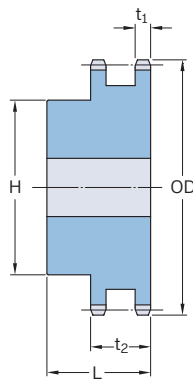
ANSI 60-2 · 19.05 mm (3/4") pitch | ANSI 80-2 · 25.40 mm (1") pitch | ANSI 100-2 · 31.75 mm (1 1/4") pitch

| Pitch |       | Number of teeth | Outside diameter OD | Type | Dimensions Bore |        | H      | L      | Plate thickness |                | Mass   | Designation   |
|-------|-------|-----------------|---------------------|------|-----------------|--------|--------|--------|-----------------|----------------|--------|---------------|
| mm    | in.   |                 |                     |      | Min.            | Max.   |        |        | t <sub>1</sub>  | t <sub>2</sub> |        |               |
| 19.05 |       | –               | mm                  | –    | mm              |        |        |        |                 |                | kg     | –             |
| 19.05 | 3/4   | 21              | 137.92              | B    | 25.40           | 69.85  | 104.78 | 53.98  | 11.280          | 34.060         | 4.00   | PHS 60-2BH21  |
|       |       | 22              | 144.02              | B    | 25.40           | 69.85  | 107.95 | 53.98  | 11.280          | 34.060         | 4.39   | PHS 60-2BH22  |
|       |       | 23              | 150.11              | B    | 25.40           | 69.85  | 107.95 | 53.98  | 11.280          | 34.060         | 4.67   | PHS 60-2BH23  |
|       |       | 24              | 156.21              | B    | 25.40           | 69.85  | 107.95 | 53.98  | 11.280          | 34.060         | 5.05   | PHS 60-2BH24  |
|       |       | 25              | 162.31              | B    | 25.40           | 69.85  | 107.95 | 53.98  | 11.280          | 34.060         | 5.42   | PHS 60-2BH25  |
|       |       | 26              | 168.40              | B    | 25.40           | 69.85  | 107.95 | 53.98  | 11.280          | 34.060         | 5.76   | PHS 60-2B26   |
|       |       | 30              | 192.79              | B    | 25.40           | 69.85  | 107.95 | 53.98  | 11.280          | 34.060         | 7.42   | PHS 60-2B30   |
|       |       | 32              | 204.98              | B    | 31.75           | 76.20  | 114.30 | 60.33  | 11.280          | 34.060         | 8.85   | PHS 60-2B32   |
|       |       | 35              | 223.01              | B    | 31.75           | 76.20  | 114.30 | 60.33  | 11.280          | 34.060         | 10.34  | PHS 60-2B35   |
|       |       | 36              | 229.11              | B    | 31.75           | 76.20  | 114.30 | 60.33  | 11.280          | 34.060         | 10.80  | PHS 60-2B36   |
|       |       | 40              | 253.49              | B    | 31.75           | 82.55  | 120.65 | 69.85  | 11.280          | 34.060         | 13.99  | PHS 60-2B40   |
|       |       | 42              | 265.68              | B    | 31.75           | 82.55  | 120.65 | 69.85  | 11.280          | 34.060         | 15.00  | PHS 60-2B42   |
|       |       | 45              | 283.97              | B    | 31.75           | 82.55  | 120.65 | 69.85  | 11.280          | 34.060         | 16.82  | PHS 60-2B45   |
|       |       | 52              | 326.39              | B    | 31.75           | 82.55  | 120.65 | 69.85  | 11.280          | 34.060         | 22.09  | PHS 60-2B52   |
|       |       | 60              | 374.90              | B    | 31.75           | 82.55  | 120.65 | 69.85  | 11.280          | 34.060         | 28.62  | PHS 60-2B60   |
|       |       | 68              | 423.42              | C    | 31.75           | 84.14  | 127.00 | 76.20  | 11.280          | 34.060         | 24.35  | PHS 60-2C68   |
|       |       | 72              | 447.80              | C    | 31.75           | 84.14  | 127.00 | 76.20  | 11.280          | 34.060         | 24.38  | PHS 60-2C72   |
|       |       | 76              | 471.93              | C    | 31.75           | 84.14  | 127.00 | 76.20  | 11.280          | 34.060         | 27.34  | PHS 60-2C76   |
|       |       | 95              | 587.25              | C    | 31.75           | 95.25  | 139.70 | 88.90  | 11.280          | 34.060         | 39.53  | PHS 60-2C95   |
| 25.40 | 1     | 10              | 93.47               | B    | 25.40           | 38.10  | 65.09  | 69.85  | 14.150          | 43.430         | 1.63   | PHS 80-2BH10  |
|       |       | 11              | 101.85              | B    | 25.40           | 44.45  | 63.50  | 63.50  | 14.150          | 43.430         | 1.81   | PHS 80-2BH11  |
|       |       | 12              | 109.98              | B    | 25.40           | 47.63  | 72.23  | 63.50  | 14.150          | 43.430         | 2.31   | PHS 80-2BH12  |
|       |       | 13              | 118.36              | B    | 25.40           | 57.15  | 80.17  | 63.50  | 14.150          | 43.430         | 2.86   | PHS 80-2BH13  |
|       |       | 14              | 126.49              | B    | 25.40           | 60.33  | 88.11  | 63.50  | 14.150          | 43.430         | 3.45   | PHS 80-2BH14  |
|       |       | 15              | 134.62              | B    | 25.40           | 63.50  | 96.44  | 63.50  | 14.150          | 43.430         | 4.08   | PHS 80-2BH15  |
|       |       | 16              | 143.00              | B    | 25.40           | 69.85  | 101.60 | 69.85  | 14.150          | 43.430         | 4.99   | PHS 80-2BH16  |
|       |       | 17              | 151.13              | B    | 25.40           | 76.20  | 112.32 | 69.85  | 14.150          | 43.430         | 5.99   | PHS 80-2BH17  |
|       |       | 18              | 159.26              | B    | 25.40           | 82.55  | 120.25 | 69.85  | 14.150          | 43.430         | 6.80   | PHS 80-2BH18  |
|       |       | 19              | 167.39              | B    | 25.40           | 84.14  | 127.00 | 69.85  | 14.150          | 43.430         | 7.71   | PHS 80-2BH19  |
|       |       | 20              | 175.51              | B    | 25.40           | 84.14  | 127.00 | 69.85  | 14.150          | 43.430         | 8.26   | PHS 80-2BH20  |
|       |       | 21              | 183.90              | B    | 25.40           | 84.14  | 127.00 | 69.85  | 14.150          | 43.430         | 8.89   | PHS 80-2BH21  |
|       |       | 22              | 192.02              | B    | 25.40           | 84.14  | 127.00 | 69.85  | 14.150          | 43.430         | 9.53   | PHS 80-2BH22  |
|       |       | 23              | 200.15              | B    | 25.40           | 84.14  | 127.00 | 69.85  | 14.150          | 43.430         | 10.34  | PHS 80-2BH23  |
|       |       | 24              | 208.28              | B    | 25.40           | 88.90  | 133.35 | 69.85  | 14.150          | 43.430         | 11.39  | PHS 80-2BH24  |
|       |       | 25              | 216.41              | B    | 25.40           | 88.90  | 133.35 | 76.20  | 14.150          | 43.430         | 12.84  | PHS 80-2BH25  |
|       |       | 26              | 224.54              | B    | 25.40           | 88.90  | 133.35 | 76.20  | 14.150          | 43.430         | 13.56  | PHS 80-2B26   |
|       |       | 30              | 256.79              | B    | 31.75           | 95.25  | 146.05 | 76.20  | 14.150          | 43.430         | 17.92  | PHS 80-2B30   |
|       |       | 32              | 273.05              | B    | 31.75           | 95.25  | 146.05 | 76.20  | 14.150          | 43.430         | 19.87  | PHS 80-2B32   |
|       |       | 35              | 297.43              | B    | 31.75           | 95.25  | 146.05 | 76.20  | 14.150          | 43.430         | 22.27  | PHS 80-2B35   |
|       |       | 36              | 305.56              | B    | 31.75           | 95.25  | 146.05 | 79.38  | 14.150          | 43.430         | 24.58  | PHS 80-2B36   |
|       |       | 42              | 354.08              | B    | 31.75           | 95.25  | 146.05 | 79.38  | 14.150          | 43.430         | 32.43  | PHS 80-2B42   |
|       |       | 45              | 378.46              | B    | 31.75           | 95.25  | 146.05 | 79.38  | 14.150          | 43.430         | 33.34  | PHS 80-2B45   |
|       |       | 52              | 435.10              | C    | 38.10           | 95.25  | 146.05 | 95.25  | 14.150          | 43.430         | 35.56  | PHS 80-2C52   |
|       |       | 60              | 499.87              | C    | 38.10           | 95.25  | 146.05 | 95.25  | 14.150          | 43.430         | 42.32  | PHS 80-2C60   |
|       |       | 68              | 564.64              | C    | 38.10           | 96.84  | 152.40 | 101.60 | 14.150          | 43.430         | 43.64  | PHS 80-2C68   |
|       |       | 76              | 629.41              | C    | 38.10           | 96.84  | 152.40 | 101.60 | 14.150          | 43.430         | 51.26  | PHS 80-2C76   |
|       |       | 95              | 783.08              | C    | 38.10           | 101.60 | 152.40 | 107.95 | 14.150          | 43.430         | 74.84  | PHS 80-2C95   |
| 31.75 | 1 1/4 | 9               | 106.17              | B    | 25.40           | 41.28  | 60.33  | 73.03  | 16.990          | 52.760         | 2.09   | PHS 100-2BH9  |
|       |       | 10              | 116.84              | B    | 25.40           | 47.63  | 69.85  | 73.03  | 16.990          | 52.760         | 2.81   | PHS 100-2BH10 |
|       |       | 11              | 127.25              | B    | 25.40           | 53.98  | 79.38  | 73.03  | 16.990          | 52.760         | 3.58   | PHS 100-2BH11 |
|       |       | 12              | 137.67              | B    | 28.58           | 57.15  | 85.73  | 73.03  | 16.990          | 52.760         | 4.22   | PHS 100-2BH12 |
|       |       | 13              | 147.83              | B    | 28.58           | 63.50  | 96.84  | 73.03  | 16.990          | 52.760         | 5.17   | PHS 100-2BH13 |
|       |       | 14              | 158.24              | B    | 28.58           | 69.85  | 106.36 | 73.03  | 16.990          | 52.760         | 6.17   | PHS 100-2BH14 |
|       |       | 15              | 168.40              | B    | 31.75           | 79.38  | 117.48 | 79.38  | 16.990          | 52.760         | 7.76   | PHS 100-2BH15 |
|       |       | 16              | 178.56              | B    | 31.75           | 84.14  | 127.00 | 79.38  | 16.990          | 52.760         | 9.12   | PHS 100-2BH16 |
|       |       | 17              | 188.98              | B    | 31.75           | 88.90  | 133.35 | 79.38  | 16.990          | 52.760         | 10.48  | PHS 100-2BH17 |
|       |       | 18              | 199.14              | B    | 31.75           | 88.90  | 133.35 | 79.38  | 16.990          | 52.760         | 11.52  | PHS 100-2BH18 |
|       |       | 19              | 209.30              | B    | 31.75           | 95.25  | 139.70 | 85.73  | 16.990          | 52.760         | 13.43  | PHS 100-2BH19 |
|       |       | 20              | 219.46              | B    | 31.75           | 95.25  | 139.70 | 85.73  | 16.990          | 52.760         | 14.70  | PHS 100-2BH20 |
|       |       | 21              | 229.62              | B    | 31.75           | 95.25  | 139.70 | 85.73  | 16.990          | 52.760         | 16.01  | PHS 100-2BH21 |
|       |       | 22              | 239.78              | B    | 31.75           | 95.25  | 139.70 | 85.73  | 16.990          | 52.760         | 17.42  | PHS 100-2BH22 |
|       |       | 23              | 249.94              | B    | 31.75           | 95.25  | 139.70 | 85.73  | 16.990          | 52.760         | 18.73  | PHS 100-2BH23 |
|       |       | 24              | 260.35              | B    | 31.75           | 95.25  | 146.05 | 85.73  | 16.990          | 52.760         | 20.46  | PHS 100-2BH24 |
|       |       | 25              | 270.51              | B    | 31.75           | 95.25  | 146.05 | 85.73  | 16.990          | 52.760         | 22.00  | PHS 100-2BH25 |
|       |       | 26              | 280.67              | B    | 38.10           | 95.25  | 146.05 | 85.73  | 16.990          | 52.760         | 23.36  | PHS 100-2B26  |
|       |       | 30              | 321.06              | B    | 38.10           | 95.25  | 146.05 | 85.73  | 16.990          | 52.760         | 29.48  | PHS 100-2B30  |
|       |       | 35              | 371.86              | C    | 38.10           | 96.84  | 152.40 | 107.95 | 16.990          | 52.760         | 34.02  | PHS 100-2C35  |
|       |       | 45              | 473.20              | C    | 38.10           | 96.84  | 152.40 | 114.30 | 16.990          | 52.760         | 46.72  | PHS 100-2C45  |
|       |       | 60              | 624.84              | C    | 38.10           | 136.53 | 190.50 | 127.00 | 16.990          | 52.760         | 79.38  | PHS 100-2C60  |
|       |       | 70              | 725.93              | C    | 38.10           | 136.53 | 190.50 | 127.00 | 16.990          | 52.760         | 89.36  | PHS 100-2C70  |
|       |       | 80              | 827.28              | C    | 38.10           | 136.53 | 190.50 | 127.00 | 16.990          | 52.760         | 104.78 | PHS 100-2C80  |

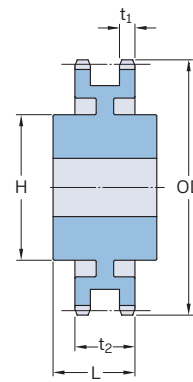
Maximum bores can accommodate standard keyways. Larger bores are available.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2BH12.

# ANSI sprockets, duplex, pilot bore

ANSI 120-2 · 38.10 mm (1 1/2") pitch | ANSI 140-2 · 44.45 mm (1 3/4") pitch | ANSI 160-2 · 50.80 mm (2") pitch



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter<br>OD | Type | Dimensions<br>Bore |        | H      | L      | Plate thickness |                | Mass   | Designation   |
|-------|-------|-----------------|------------------------|------|--------------------|--------|--------|--------|-----------------|----------------|--------|---------------|
|       |       |                 |                        |      | Min.               | Max.   |        |        | t <sub>1</sub>  | t <sub>2</sub> |        |               |
| mm    | in.   | –               | mm                     | –    | mm                 |        |        |        |                 |                | kg     | –             |
| 38.10 | 1 1/2 | 11              | 152.65                 | B    | 38.10              | 60.33  | 90.49  | 95.25  | 22.710          | 68.150         | 6.17   | PHS 120-2BH11 |
|       |       | 12              | 165.10                 | B    | 38.10              | 69.85  | 103.19 | 95.25  | 22.710          | 68.150         | 7.85   | PHS 120-2BH12 |
|       |       | 13              | 177.55                 | B    | 38.10              | 76.20  | 114.30 | 95.25  | 22.710          | 68.150         | 9.57   | PHS 120-2BH13 |
|       |       | 14              | 189.74                 | B    | 38.10              | 84.14  | 127.00 | 95.25  | 22.710          | 68.150         | 11.61  | PHS 120-2BH14 |
|       |       | 15              | 202.18                 | B    | 38.10              | 88.90  | 133.35 | 95.25  | 22.710          | 68.150         | 13.56  | PHS 120-2BH15 |
|       |       | 16              | 214.38                 | B    | 38.10              | 88.90  | 133.35 | 95.25  | 22.710          | 68.150         | 15.33  | PHS 120-2BH16 |
|       |       | 17              | 226.57                 | B    | 38.10              | 88.90  | 133.35 | 95.25  | 22.710          | 68.150         | 16.74  | PHS 120-2BH17 |
|       |       | 18              | 239.01                 | B    | 38.10              | 88.90  | 133.35 | 95.25  | 22.710          | 68.150         | 19.01  | PHS 120-2BH18 |
|       |       | 19              | 251.21                 | B    | 38.10              | 88.90  | 133.35 | 95.25  | 22.710          | 68.150         | 21.09  | PHS 120-2BH19 |
|       |       | 20              | 263.40                 | B    | 38.10              | 88.90  | 139.70 | 95.25  | 22.710          | 68.150         | 22.77  | PHS 120-2BH20 |
|       |       | 21              | 275.59                 | B    | 38.10              | 88.90  | 139.70 | 95.25  | 22.710          | 68.150         | 25.22  | PHS 120-2BH21 |
|       |       | 22              | 287.78                 | B    | 38.10              | 96.84  | 146.05 | 101.60 | 22.710          | 68.150         | 29.03  | PHS 120-2BH22 |
|       |       | 23              | 299.97                 | B    | 38.10              | 114.30 | 165.10 | 101.60 | 22.710          | 68.150         | 34.02  | PHS 120-2BH23 |
|       |       | 24              | 312.17                 | B    | 38.10              | 114.30 | 165.10 | 101.60 | 22.710          | 68.150         | 35.83  | PHS 120-2BH24 |
|       |       | 25              | 324.36                 | B    | 38.10              | 114.30 | 165.10 | 101.60 | 22.710          | 68.150         | 38.10  | PHS 120-2BH25 |
|       |       | 26              | 336.55                 | B    | 38.10              | 114.30 | 165.10 | 101.60 | 22.710          | 68.150         | 40.82  | PHS 120-2B26  |
|       |       | 30              | 385.32                 | B    | 38.10              | 114.30 | 165.10 | 101.60 | 22.710          | 68.150         | 53.98  | PHS 120-2B30  |
|       |       | 35              | 446.28                 | C    | 38.10              | 136.53 | 190.50 | 152.40 | 22.710          | 71.580         | 67.13  | PHS 120-2C35  |
|       |       | 45              | 567.69                 | C    | 38.10              | 136.53 | 190.50 | 152.40 | 22.710          | 71.580         | 85.28  | PHS 120-2C45  |
|       |       | 60              | 749.81                 | C    | 38.10              | 161.93 | 241.30 | 158.75 | 22.710          | 71.580         | 139.25 | PHS 120-2C60  |
| 44.45 | 1 3/4 | 13              | 207.01                 | B    | 41.28              | 84.14  | 127.00 | 95.25  | 22.710          | 71.580         | 13.15  | PHS 140-2BH13 |
|       |       | 14              | 221.49                 | B    | 41.28              | 95.25  | 139.70 | 95.25  | 22.710          | 71.580         | 15.79  | PHS 140-2BH14 |
|       |       | 15              | 235.71                 | B    | 41.28              | 114.30 | 165.10 | 95.25  | 22.710          | 71.580         | 19.28  | PHS 140-2BH15 |
|       |       | 16              | 250.19                 | B    | 41.28              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 21.82  | PHS 140-2BH16 |
|       |       | 17              | 264.41                 | B    | 41.28              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 26.08  | PHS 140-2BH17 |
|       |       | 18              | 278.89                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 29.76  | PHS 140-2BH18 |
|       |       | 19              | 293.12                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 32.66  | PHS 140-2BH19 |
|       |       | 20              | 307.34                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 34.47  | PHS 140-2BH20 |
|       |       | 21              | 321.56                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 37.19  | PHS 140-2BH21 |
|       |       | 22              | 335.79                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 42.64  | PHS 140-2BH22 |
|       |       | 23              | 350.01                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 45.36  | PHS 140-2BH23 |
|       |       | 24              | 364.24                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 47.17  | PHS 140-2BH24 |
|       |       | 25              | 378.46                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 54.43  | PHS 140-2BH25 |
|       |       | 26              | 392.68                 | B    | 44.45              | 133.35 | 177.80 | 101.60 | 22.710          | 71.580         | 58.06  | PHS 140-2B26  |
|       |       | 35              | 520.45                 | C    | 38.10              | 136.53 | 190.50 | 152.40 | 22.710          | 71.580         | 81.65  | PHS 140-2C35  |
|       |       | 45              | 662.43                 | C    | 38.10              | 136.53 | 190.50 | 152.40 | 22.710          | 71.580         | 105.23 | PHS 140-2C45  |
|       |       | 60              | 874.78                 | C    | 38.10              | 161.93 | 241.30 | 158.75 | 22.710          | 71.580         | 168.74 | PHS 140-2C60  |
| 50.80 | 2     | 13              | 236.47                 | B    | 50.80              | 101.60 | 152.40 | 120.65 | 28.420          | 86.970         | 21.77  | PHS 160-2BH13 |
|       |       | 14              | 252.98                 | B    | 50.80              | 120.65 | 171.45 | 120.65 | 28.420          | 86.970         | 26.31  | PHS 160-2BH14 |
|       |       | 15              | 269.49                 | B    | 50.80              | 133.35 | 177.80 | 120.65 | 28.420          | 86.970         | 30.84  | PHS 160-2BH15 |
|       |       | 16              | 286.00                 | B    | 50.80              | 133.35 | 177.80 | 120.65 | 28.420          | 86.970         | 34.02  | PHS 160-2BH16 |
|       |       | 17              | 302.26                 | B    | 50.80              | 133.35 | 177.80 | 120.65 | 28.420          | 86.970         | 41.28  | PHS 160-2BH17 |
|       |       | 18              | 318.52                 | B    | 50.80              | 133.35 | 177.80 | 120.65 | 28.420          | 86.970         | 43.54  | PHS 160-2BH18 |
|       |       | 19              | 335.03                 | B    | 50.80              | 133.35 | 177.80 | 120.65 | 28.420          | 86.970         | 48.53  | PHS 160-2BH19 |
|       |       | 20              | 351.28                 | B    | 50.80              | 133.35 | 177.80 | 120.65 | 28.420          | 86.970         | 53.98  | PHS 160-2BH20 |
|       |       | 21              | 367.54                 | B    | 50.80              | 136.53 | 190.50 | 120.65 | 28.420          | 86.970         | 58.97  | PHS 160-2BH21 |
|       |       | 22              | 383.79                 | B    | 50.80              | 136.53 | 190.50 | 120.65 | 28.420          | 86.970         | 63.96  | PHS 160-2BH22 |
|       |       | 23              | 400.05                 | B    | 50.80              | 136.53 | 190.50 | 120.65 | 28.420          | 86.970         | 71.21  | PHS 160-2BH23 |
|       |       | 24              | 416.31                 | B    | 50.80              | 136.53 | 190.50 | 120.65 | 28.420          | 86.970         | 77.56  | PHS 160-2BH24 |
|       |       | 25              | 432.56                 | B    | 50.80              | 136.53 | 190.50 | 120.65 | 28.420          | 86.970         | 84.82  | PHS 160-2BH25 |
|       |       | 26              | 448.82                 | B    | 50.80              | 136.53 | 190.50 | 120.65 | 28.420          | 86.970         | 91.17  | PHS 160-2B26  |
|       |       | 35              | 594.87                 | C    | 38.10              | 171.45 | 241.30 | 168.28 | 28.420          | 86.970         | 138.80 | PHS 160-2C35  |
|       |       | 45              | 756.92                 | C    | 38.10              | 177.80 | 254.00 | 180.98 | 28.420          | 86.970         | 195.50 | PHS 160-2C45  |
|       |       | 60              | 999.74                 | C    | 38.10              | 177.80 | 254.00 | 180.98 | 28.420          | 86.970         | 255.83 | PHS 160-2C60  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-2BH12..

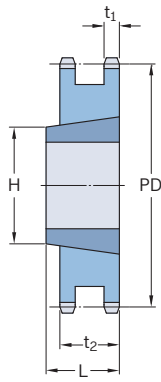
ANSI sprockets, duplex, pilot bore  
ANSI 200-2 · 63.50 mm (2 1/2") pitch

| Pitch |       | Number of teeth | Outside diameter<br>OD | Type | Dimensions<br>Bore |        | H      | L      | Plate thickness |                | Mass   | Designation   |
|-------|-------|-----------------|------------------------|------|--------------------|--------|--------|--------|-----------------|----------------|--------|---------------|
| mm    | in.   |                 |                        |      | Min.               | Max.   |        |        | t <sub>1</sub>  | t <sub>2</sub> |        |               |
| mm    | in.   | –               | mm                     | –    | mm                 |        |        |        |                 |                | kg     | –             |
| 63.50 | 2 1/2 | 11              | 254.51                 | B    | 50.80              | 95.25  | 139.70 | 149.23 | 34.140          | 105.690        | 25.85  | PHS 200-2BH11 |
|       |       | 12              | 275.08                 | B    | 50.80              | 114.30 | 165.10 | 158.75 | 34.140          | 105.690        | 36.29  | PHS 200-2BH12 |
|       |       | 13              | 295.66                 | B    | 50.80              | 133.35 | 177.80 | 161.93 | 34.140          | 105.690        | 43.54  | PHS 200-2BH13 |
|       |       | 14              | 316.48                 | B    | 50.80              | 139.70 | 203.20 | 161.93 | 34.140          | 105.690        | 53.98  | PHS 200-2BH14 |
|       |       | 15              | 336.80                 | B    | 50.80              | 146.05 | 215.90 | 161.93 | 34.140          | 105.690        | 62.60  | PHS 200-2BH15 |
|       |       | 16              | 357.38                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 73.03  | PHS 200-2BH16 |
|       |       | 17              | 377.70                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 80.74  | PHS 200-2BH17 |
|       |       | 18              | 398.27                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 88.90  | PHS 200-2BH18 |
|       |       | 19              | 418.59                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 98.43  | PHS 200-2BH19 |
|       |       | 20              | 439.17                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 107.05 | PHS 200-2BH20 |
|       |       | 21              | 459.49                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 113.40 | PHS 200-2BH21 |
|       |       | 22              | 479.81                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 128.82 | PHS 200-2BH22 |
|       |       | 23              | 500.13                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 139.71 | PHS 200-2BH23 |
|       |       | 24              | 520.45                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 149.69 | PHS 200-2BH24 |
|       |       | 25              | 540.77                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 162.39 | PHS 200-2BH25 |
|       |       | 26              | 561.09                 | B    | 50.80              | 146.05 | 215.90 | 168.28 | 34.140          | 105.690        | 175.09 | PHS 200-2B26  |
|       |       | 45              | 946.15                 | C    | 38.10              | 177.80 | 254.00 | 215.90 | 34.140          | 105.690        | 301.64 | PHS 200-2C45  |
|       |       | 60              | 1249.68                | C    | 38.10              | 177.80 | 254.00 | 228.60 | 34.140          | 105.690        | 440.89 | PHS 200-2C60  |

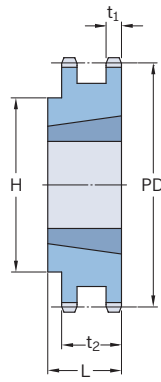
Maximum bores can accommodate standard keyways. Larger bores are available.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 06B-2BH12.

# ANSI sprockets, duplex, taper bushed

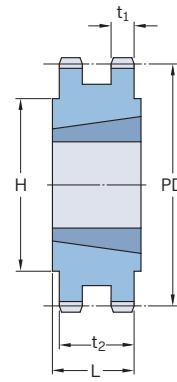
ANSI 35-2 · 9.53 mm (3/8") pitch | ANSI 40-2 · 12.70 mm (1/2") pitch | ANSI 50-2 · 15.88 mm (5/8") pitch



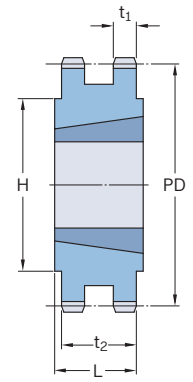
Type A



Type B



Type C



Type C1

| Pitch |     | Number of teeth | Diameters  |          | Type | Bushing number | Dimensions |       | L     | H      | Plate thickness |                | Mass Rim | Bushing | Designation   |
|-------|-----|-----------------|------------|----------|------|----------------|------------|-------|-------|--------|-----------------|----------------|----------|---------|---------------|
|       |     |                 | Outside OD | Pitch PD |      |                | Min.       | Max.  |       |        | t <sub>1</sub>  | t <sub>2</sub> |          |         |               |
| mm    | in. | –               | mm         |          | –    | mm             |            |       |       |        |                 |                | kg       |         | –             |
| 9.53  | 3/8 | 19              | 62.74      | 57.91    | B    | 1008           | 9.53       | 25.40 | 22.23 | 46.43  | 4.110           | 14.250         | 0.3      | 0.1     | PHS 35-2TBH19 |
|       |     | 20              | 65.79      | 60.96    | B    | 1008           | 9.53       | 25.40 | 22.23 | 49.21  | 4.110           | 14.250         | 0.4      | 0.1     | PHS 35-2TBH20 |
|       |     | 21              | 68.83      | 64.01    | B    | 1008           | 9.53       | 25.40 | 22.23 | 52.39  | 4.110           | 14.250         | 0.6      | 0.1     | PHS 35-2TBH21 |
|       |     | 22              | 71.88      | 66.80    | B    | 1008           | 9.53       | 25.40 | 22.23 | 55.56  | 4.110           | 14.250         | 0.8      | 0.1     | PHS 35-2TBH22 |
|       |     | 23              | 77.98      | 72.90    | B    | 1210           | 15.88      | 31.75 | 25.40 | 61.91  | 4.110           | 14.250         | 0.8      | 0.3     | PHS 35-2TBH24 |
|       |     | 26              | 84.07      | 78.99    | B    | 1210           | 15.88      | 31.75 | 25.40 | 66.68  | 4.110           | 14.250         | 0.9      | 0.3     | PHS 35-2TB26  |
|       |     | 30              | 96.27      | 91.19    | B    | 1610           | 12.70      | 41.28 | 25.40 | 79.38  | 4.110           | 14.250         | 0.8      | 0.4     | PHS 35-2TB30  |
|       |     | 32              | 102.36     | 97.28    | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55  | 4.110           | 14.250         | 0.9      | 0.4     | PHS 35-2TB32  |
|       |     | 35              | 111.51     | 106.17   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55  | 4.110           | 14.250         | 1.0      | 0.4     | PHS 35-2TB35  |
|       |     | 40              | 126.75     | 121.41   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55  | 4.110           | 14.250         | 1.3      | 0.4     | PHS 35-2TB40  |
|       |     | 45              | 141.99     | 136.65   | B    | 1610           | 12.70      | 41.28 | 25.40 | 82.55  | 4.110           | 14.250         | 1.5      | 0.4     | PHS 35-2TB45  |
|       |     | 48              | 151.13     | 145.54   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 1.6      | 0.4     | PHS 35-2TB48  |
|       |     | 54              | 169.16     | 163.83   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 1.8      | 0.4     | PHS 35-2TB54  |
|       |     | 60              | 187.45     | 182.12   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 2.2      | 0.4     | PHS 35-2TB60  |
|       |     | 70              | 217.68     | 212.34   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 2.9      | 0.4     | PHS 35-2TB70  |
|       |     | 80              | 248.16     | 242.57   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 3.6      | 0.4     | PHS 35-2TB80  |
|       |     | 96              | 296.67     | 291.08   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 4.5      | 0.4     | PHS 35-2TB96  |
|       |     | 112             | 345.19     | 339.60   | B    | 1610           | 12.70      | 41.28 | 25.40 | 92.08  | 4.110           | 14.250         | 4.9      | 0.4     | PHS 35-2TB112 |
| 12.70 | 1/2 | 15              | 67.31      | 60.96    | A    | 1008           | 9.53       | 25.40 | 22.23 | 32.15  | 6.990           | 21.360         | 0.2      | 0.1     | PHS 40-2TBH15 |
|       |     | 16              | 71.37      | 65.02    | A    | 1008           | 9.53       | 25.40 | 22.23 | 32.15  | 6.990           | 21.360         | 0.3      | 0.1     | PHS 40-2TBH16 |
|       |     | 17              | 75.69      | 69.09    | A    | 1008           | 9.53       | 25.40 | 22.23 | 32.15  | 6.990           | 21.360         | 0.3      | 0.1     | PHS 40-2TBH17 |
|       |     | 18              | 79.50      | 73.15    | B    | 1210           | 15.88      | 31.75 | 25.40 | 58.74  | 6.990           | 21.360         | 0.3      | 0.3     | PHS 40-2TBH18 |
|       |     | 19              | 83.82      | 77.22    | B    | 1210           | 15.88      | 31.75 | 25.40 | 63.50  | 6.990           | 21.360         | 0.4      | 0.3     | PHS 40-2TBH19 |
|       |     | 20              | 87.88      | 81.28    | B    | 1610           | 12.70      | 41.28 | 25.40 | 66.68  | 6.990           | 21.360         | 0.4      | 0.4     | PHS 40-2TBH20 |
|       |     | 21              | 91.95      | 85.34    | B    | 1610           | 12.70      | 41.28 | 25.40 | 69.85  | 6.990           | 21.360         | 0.5      | 0.4     | PHS 40-2TBH21 |
|       |     | 23              | 100.08     | 93.22    | B    | 1610           | 12.70      | 41.28 | 25.40 | 76.20  | 6.990           | 21.360         | 0.6      | 0.4     | PHS 40-2TBH23 |
|       |     | 25              | 108.20     | 101.35   | B    | 2012           | 19.05      | 50.80 | 31.75 | 86.52  | 6.990           | 21.360         | 0.7      | 0.8     | PHS 40-2TBH25 |
|       |     | 30              | 128.52     | 121.41   | B    | 2012           | 19.05      | 50.80 | 31.75 | 107.55 | 6.990           | 21.360         | 1.5      | 0.8     | PHS 40-2TB30  |
|       |     | 36              | 152.65     | 145.80   | B    | 2012           | 19.05      | 50.80 | 31.75 | 130.97 | 6.990           | 21.360         | 2.7      | 0.8     | PHS 40-2TB36  |
|       |     | 42              | 177.04     | 169.93   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 3.2      | 1.6     | PHS 40-2TB42  |
|       |     | 48              | 201.42     | 194.06   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 4.4      | 1.6     | PHS 40-2TB48  |
|       |     | 52              | 217.68     | 210.31   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 5.2      | 1.6     | PHS 40-2TB52  |
|       |     | 60              | 249.94     | 242.57   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 7.0      | 1.6     | PHS 40-2TB60  |
|       |     | 68              | 282.45     | 275.08   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 9.3      | 1.6     | PHS 40-2TB68  |
|       |     | 76              | 314.71     | 307.34   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 11.7     | 1.6     | PHS 40-2TB76  |
|       |     | 84              | 346.96     | 339.60   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 14.3     | 1.6     | PHS 40-2TB84  |
|       |     | 95              | 391.41     | 384.05   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 15.5     | 1.6     | PHS 40-2TB95  |
|       |     | 102             | 419.86     | 412.50   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 6.990           | 21.360         | 16.7     | 1.6     | PHS 40-2TB102 |
| 15.88 | 5/8 | 14              | 78.99      | 71.37    | A    | 1008           | 9.53       | 25.40 | 22.23 | –      | 8.430           | 26.540         | 0.4      | 0.1     | PHS 50-2TBH14 |
|       |     | 15              | 84.07      | 76.45    | A    | 1210           | 15.88      | 31.75 | 25.40 | –      | 8.430           | 26.540         | 0.4      | 0.3     | PHS 50-2TBH15 |
|       |     | 16              | 89.41      | 81.28    | A    | 1210           | 15.88      | 31.75 | 25.40 | –      | 8.430           | 26.540         | 0.5      | 0.3     | PHS 50-2TBH16 |
|       |     | 17              | 94.49      | 86.61    | A    | 1610           | 12.70      | 41.28 | 25.40 | –      | 8.430           | 26.540         | 0.5      | 0.3     | PHS 50-2TBH17 |
|       |     | 18              | 99.57      | 91.44    | A    | 1610           | 12.70      | 41.28 | 25.40 | –      | 8.430           | 26.540         | 0.6      | 0.4     | PHS 50-2TBH18 |
|       |     | 19              | 104.65     | 96.52    | A    | 1610           | 12.70      | 41.28 | 25.40 | –      | 8.430           | 26.540         | 0.7      | 0.4     | PHS 50-2TBH19 |
|       |     | 20              | 109.73     | 101.60   | B    | 2012           | 19.05      | 50.80 | 31.75 | 82.55  | 8.430           | 26.540         | 0.7      | 0.8     | PHS 50-2TBH20 |
|       |     | 21              | 114.81     | 106.43   | B    | 2012           | 19.05      | 50.80 | 31.75 | 88.90  | 8.430           | 26.540         | 0.9      | 0.8     | PHS 50-2TBH21 |
|       |     | 25              | 135.13     | 126.75   | B    | 2012           | 19.05      | 50.80 | 31.75 | 108.74 | 8.430           | 26.540         | 1.7      | 0.8     | PHS 50-2TBH25 |
|       |     | 30              | 160.53     | 151.89   | B    | 2517           | 19.05      | 63.50 | 44.45 | 134.14 | 8.430           | 26.540         | 3.4      | 1.6     | PHS 50-2TB30  |
|       |     | 36              | 191.01     | 182.12   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 8.430           | 26.540         | 4.3      | 1.6     | PHS 50-2TB36  |
|       |     | 42              | 221.23     | 212.34   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 8.430           | 26.540         | 6.1      | 1.6     | PHS 50-2TB42  |
|       |     | 48              | 251.71     | 242.82   | C    | 2517           | 19.05      | 63.50 | 44.45 | 107.95 | 8.430           | 26.540         | 8.4      | 1.6     | PHS 50-2TB48  |
|       |     | 52              | 272.03     | 262.89   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 10.1     | 1.6     | PHS 50-2TB52  |
|       |     | 60              | 312.42     | 303.28   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 13.7     | 1.6     | PHS 50-2TB60  |

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-2TBH19..

# ANSI sprockets, duplex, taper bushed

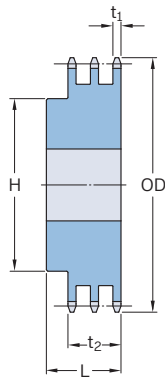
ANSI 50-2 · 15.88 mm (5/8") pitch | ANSI 60-2 · 19.05 mm (3/4") pitch | ANSI 80-2 · 25.40 mm (1") pitch

| Pitch |     | Number of teeth | Diameters  |          | Type | Bushing number | Dimensions |       | L     | H      | Plate thickness |                | Mass Rim | Bushing | Designation   |
|-------|-----|-----------------|------------|----------|------|----------------|------------|-------|-------|--------|-----------------|----------------|----------|---------|---------------|
|       |     |                 | Outside OD | Pitch PD |      |                | Bore       |       |       |        | t <sub>1</sub>  | t <sub>2</sub> |          |         |               |
| mm    | in. | –               | mm         | –        | –    | mm             | Min.       | Max.  |       |        |                 |                | kg       |         | –             |
| 15.88 | 5/8 | 68              | 352.81     | 343.66   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 17.9     | 1.6     | PHS 50-2TB68  |
|       |     | 76              | 393.45     | 384.05   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 18.7     | 1.6     | PHS 50-2TB76  |
|       |     | 84              | 433.83     | 424.43   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 20.6     | 1.6     | PHS 50-2TB84  |
|       |     | 95              | 489.46     | 480.06   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 26.7     | 1.6     | PHS 50-2TB95  |
|       |     | 102             | 524.76     | 515.62   | C    | 2517           | 19.05      | 63.50 | 44.45 | 111.13 | 8.430           | 26.540         | 30.4     | 1.6     | PHS 50-2TB102 |
| 19.05 | 3/4 | 13              | 88.65      | 79.50    | B    | 1215           | 15.88      | 31.75 | 38.10 | 57.15  | 11.280          | 34.060         | 0.5      | 0.7     | PHS 60-2TBH13 |
|       |     | 14              | 95.00      | 85.60    | B    | 1215           | 15.88      | 31.75 | 38.10 | 63.50  | 11.280          | 34.060         | 0.7      | 0.8     | PHS 60-2TBH14 |
|       |     | 15              | 101.09     | 91.69    | B    | 1615           | 12.70      | 41.28 | 38.10 | 71.44  | 11.280          | 34.060         | 0.6      | 0.8     | PHS 60-2TBH15 |
|       |     | 16              | 107.19     | 97.54    | B    | 1615           | 12.70      | 41.28 | 38.10 | 76.20  | 11.280          | 34.060         | 1.0      | 1.0     | PHS 60-2TBH16 |
|       |     | 17              | 113.28     | 103.63   | B    | 1615           | 12.70      | 41.28 | 38.10 | 82.55  | 11.280          | 34.060         | 1.1      | 1.3     | PHS 60-2TBH17 |
|       |     | 18              | 119.38     | 109.73   | A    | 2012           | 19.05      | 50.80 | 31.75 | –      | 11.280          | 34.060         | 1.4      | 1.1     | PHS 60-2TBH18 |
|       |     | 19              | 125.73     | 115.82   | A    | 2012           | 19.05      | 50.80 | 31.75 | –      | 11.280          | 34.060         | 1.6      | 1.3     | PHS 60-2TBH19 |
|       |     | 20              | 131.57     | 121.67   | B    | 2517           | 19.05      | 38.10 | 44.45 | 100.41 | 11.280          | 34.060         | 1.8      | 1.3     | PHS 60-2TBH20 |
|       |     | 21              | 137.92     | 127.76   | B    | 2517           | 19.05      | 38.10 | 44.45 | 106.36 | 11.280          | 34.060         | 2.3      | 1.7     | PHS 60-2TBH21 |
|       |     | 25              | 162.31     | 126.49   | B    | 2517           | 19.05      | 38.10 | 44.45 | 130.97 | 11.280          | 34.060         | 3.4      | 3.4     | PHS 60-2TBH25 |
|       |     | 30              | 192.79     | 182.12   | B    | 2517           | 19.05      | 38.10 | 44.45 | 161.13 | 11.280          | 34.060         | 6.1      | 6.0     | PHS 60-2TB30  |
|       |     | 36              | 229.11     | 218.69   | C    | 2517           | 19.05      | 38.10 | 44.45 | 107.95 | 11.280          | 34.060         | 7.9      | 7.9     | PHS 60-2TB36  |
|       |     | 42              | 265.68     | 255.02   | C    | 2517           | 19.05      | 38.10 | 44.45 | 107.95 | 11.280          | 34.060         | 11.6     | 11.3    | PHS 60-2TB42  |
|       |     | 45              | 283.97     | 273.05   | C    | 2517           | 19.05      | 38.10 | 44.45 | 107.95 | 11.280          | 34.060         | 13.4     | 13.3    | PHS 60-2TB45  |
|       |     | 52              | 326.39     | 315.47   | C    | 2517           | 19.05      | 38.10 | 44.45 | 107.95 | 11.280          | 34.060         | 18.6     | 18.3    | PHS 60-2TB52  |
|       |     | 60              | 374.90     | 363.98   | C1   | 2517           | 19.05      | 38.10 | 44.45 | 107.95 | 11.280          | 34.060         | 14.7     | 15.2    | PHS 60-2TB60  |
|       |     | 68              | 423.42     | 412.50   | C1   | 2517           | 19.05      | 38.10 | 44.45 | 114.30 | 11.280          | 34.060         | 16.6     | 19.6    | PHS 60-2TB68  |
|       |     | 76              | 471.93     | 461.01   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 11.280          | 34.060         | 19.3     | 21.7    | PHS 60-2TB76  |
|       |     | 95              | 587.25     | 576.07   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 11.280          | 34.060         | 22.0     | 31.7    | PHS 60-2TB95  |
| 25.40 | 1   | 13              | 118.36     | 106.17   | A    | 1615           | 12.70      | 41.28 | 38.10 | –      | 14.150          | 43.430         | 1.5      | 0.5     | PHS 80-2TBH13 |
|       |     | 14              | 126.49     | 114.05   | A    | 2012           | 19.05      | 50.80 | 31.75 | –      | 14.150          | 43.430         | 1.6      | 0.8     | PHS 80-2TBH14 |
|       |     | 15              | 134.62     | 122.17   | A    | 2012           | 19.05      | 50.80 | 31.75 | –      | 14.150          | 43.430         | 2.0      | 0.8     | PHS 80-2TBH15 |
|       |     | 16              | 143.00     | 130.30   | A    | 2517           | 19.05      | 63.50 | 44.45 | 79.38  | 14.150          | 43.430         | 1.7      | 1.6     | PHS 80-2TBH16 |
|       |     | 17              | 151.13     | 138.18   | A    | 2517           | 19.05      | 63.50 | 44.45 | 79.38  | 14.150          | 43.430         | 2.3      | 1.6     | PHS 80-2TBH17 |
|       |     | 18              | 159.26     | 146.30   | A    | 2517           | 19.05      | 63.50 | 44.45 | 79.38  | 14.150          | 43.430         | 2.9      | 1.6     | PHS 80-2TBH18 |
|       |     | 19              | 167.39     | 154.43   | B    | 3020           | 31.75      | 76.20 | 50.80 | 127.00 | 14.150          | 43.430         | 2.5      | 3.0     | PHS 80-2TBH19 |
|       |     | 20              | 175.51     | 162.31   | B    | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 3.2      | 3.0     | PHS 80-2TBH20 |
|       |     | 21              | 183.90     | 170.43   | B    | 3020           | 31.75      | 76.20 | 50.80 | 141.29 | 14.150          | 43.430         | 4.0      | 3.0     | PHS 80-2TBH21 |
|       |     | 25              | 216.41     | 202.69   | B    | 3020           | 31.75      | 76.20 | 50.80 | 174.63 | 14.150          | 43.430         | 7.5      | 3.0     | PHS 80-2TBH25 |
|       |     | 30              | 256.79     | 243.08   | C    | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 11.4     | 3.0     | PHS 80-2TB30  |
|       |     | 36              | 305.56     | 291.34   | C    | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 17.9     | 3.0     | PHS 80-2TB36  |
|       |     | 42              | 354.08     | 340.11   | C    | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 16.5     | 3.0     | PHS 80-2TB42  |
|       |     | 45              | 378.46     | 364.24   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 18.8     | 3.0     | PHS 80-2TB45  |
|       |     | 52              | 435.10     | 420.62   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 25.5     | 3.0     | PHS 80-2TB52  |
|       |     | 60              | 499.87     | 485.39   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 30.1     | 3.0     | PHS 80-2TB60  |
|       |     | 68              | 564.64     | 549.91   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 32.7     | 3.0     | PHS 80-2TB68  |
|       |     | 76              | 629.41     | 614.68   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 40.4     | 3.0     | PHS 80-2TB76  |
|       |     | 95              | 783.08     | 768.35   | C1   | 3020           | 31.75      | 76.20 | 50.80 | 133.35 | 14.150          | 43.430         | 50.8     | 3.0     | PHS 80-2TB95  |

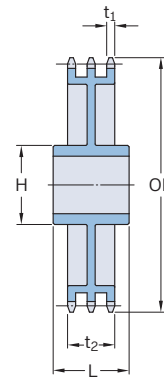
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-2TBH19.

# ANSI sprockets, triplex, pilot bore

ANSI 35-3 · 9.53 mm (3/8") pitch | ANSI 40-3 · 12.70 mm (1/2") pitch



Type B



Type C

| Pitch |     | Number of teeth | Outside diameter<br>OD | Type | Dimensions<br>Bore |       | H      | L     | Plate thickness |                | Mass | Designation  |
|-------|-----|-----------------|------------------------|------|--------------------|-------|--------|-------|-----------------|----------------|------|--------------|
|       |     |                 |                        |      | Min.               | Max.  |        |       | t <sub>1</sub>  | t <sub>2</sub> |      |              |
| mm    | in. | –               | mm                     | –    | mm                 |       |        |       |                 |                | kg   | –            |
| 9.53  | 3/8 | 13              | 44.45                  | B    | 12.70              | 17.46 | 28.18  | 44.45 | 4.110           | 24.380         | 0.2  | PHS 35-3BH13 |
|       |     | 14              | 47.50                  | B    | 12.70              | 22.23 | 31.75  | 44.45 | 4.110           | 24.380         | 0.3  | PHS 35-3BH14 |
|       |     | 15              | 50.55                  | B    | 12.70              | 23.81 | 35.72  | 44.45 | 4.110           | 24.380         | 0.4  | PHS 35-3BH15 |
|       |     | 16              | 53.59                  | B    | 12.70              | 23.81 | 37.31  | 44.45 | 4.110           | 24.380         | 0.4  | PHS 35-3BH16 |
|       |     | 17              | 56.64                  | B    | 12.70              | 17.46 | 40.48  | 44.45 | 4.110           | 24.380         | 0.5  | PHS 35-3BH17 |
|       |     | 18              | 59.69                  | B    | 12.70              | 20.64 | 43.66  | 44.45 | 4.110           | 24.380         | 0.6  | PHS 35-3BH18 |
|       |     | 19              | 62.74                  | B    | 12.70              | 23.81 | 47.63  | 44.45 | 4.110           | 24.380         | 0.6  | PHS 35-3BH19 |
|       |     | 20              | 65.79                  | B    | 19.05              | 23.81 | 49.21  | 47.63 | 4.110           | 24.380         | 0.7  | PHS 35-3BH20 |
|       |     | 21              | 68.83                  | B    | 19.05              | 34.93 | 52.39  | 47.63 | 4.110           | 24.380         | 0.8  | PHS 35-3BH21 |
|       |     | 22              | 71.88                  | B    | 19.05              | 36.51 | 55.56  | 47.63 | 4.110           | 24.380         | 0.9  | PHS 35-3BH22 |
|       |     | 23              | 74.93                  | B    | 19.05              | 38.10 | 57.15  | 47.63 | 4.110           | 24.380         | 1.0  | PHS 35-3BH23 |
|       |     | 24              | 77.98                  | B    | 19.05              | 38.10 | 57.15  | 47.63 | 4.110           | 24.380         | 1.0  | PHS 35-3BH24 |
|       |     | 25              | 81.03                  | B    | 19.05              | 38.10 | 57.15  | 47.63 | 4.110           | 24.380         | 1.1  | PHS 35-3BH25 |
|       |     | 26              | 84.07                  | B    | 19.05              | 38.10 | 63.50  | 47.63 | 4.110           | 24.380         | 1.3  | PHS 35-3B26  |
|       |     | 30              | 96.27                  | B    | 19.05              | 44.45 | 63.50  | 47.63 | 4.110           | 24.380         | 1.6  | PHS 35-3B30  |
|       |     | 36              | 114.55                 | B    | 19.05              | 44.45 | 63.50  | 47.63 | 4.110           | 24.380         | 2.1  | PHS 35-3B36  |
|       |     | 42              | 132.84                 | B    | 19.05              | 44.45 | 63.50  | 47.63 | 4.110           | 24.380         | 2.7  | PHS 35-3B42  |
|       |     | 48              | 151.13                 | B    | 19.05              | 44.45 | 63.50  | 47.63 | 4.110           | 24.380         | 3.4  | PHS 35-3B48  |
|       |     | 52              | 163.32                 | B    | 19.05              | 44.45 | 63.50  | 47.63 | 4.110           | 24.380         | 3.9  | PHS 35-3B52  |
|       |     | 60              | 187.45                 | B    | 19.05              | 44.45 | 63.50  | 47.63 | 4.110           | 24.380         | 5.1  | PHS 35-3B60  |
|       |     | 68              | 211.84                 | B    | 19.05              | 60.33 | 88.90  | 47.63 | 4.110           | 24.380         | 7.0  | PHS 35-3B68  |
|       |     | 72              | 223.77                 | B    | 19.05              | 60.33 | 88.90  | 47.63 | 4.110           | 24.380         | 7.9  | PHS 35-3B72  |
|       |     | 76              | 235.97                 | B    | 19.05              | 60.33 | 88.90  | 47.63 | 4.110           | 24.380         | 8.6  | PHS 35-3B76  |
|       |     | 84              | 260.35                 | B    | 19.05              | 60.33 | 88.90  | 47.63 | 4.110           | 24.380         | 10.4 | PHS 35-3B84  |
|       |     | 95              | 293.62                 | B    | 25.40              | 63.50 | 95.25  | 53.98 | 4.110           | 24.380         | 13.3 | PHS 35-3B95  |
|       |     | 96              | 296.67                 | B    | 25.40              | 63.50 | 95.25  | 53.98 | 4.110           | 24.380         | 13.6 | PHS 35-3B96  |
|       |     | 102             | 314.96                 | B    | 25.40              | 63.50 | 95.25  | 53.98 | 4.110           | 24.380         | 15.1 | PHS 35-3B102 |
| 12.70 | 1/2 | 11              | 50.80                  | B    | 12.70              | 19.05 | 36.51  | 53.98 | 6.990           | 35.740         | 0.4  | PHS 40-3BH11 |
|       |     | 12              | 55.12                  | B    | 12.70              | 23.81 | 39.69  | 53.98 | 6.990           | 35.740         | 0.5  | PHS 40-3BH12 |
|       |     | 13              | 59.18                  | B    | 12.70              | 25.40 | 38.10  | 53.98 | 6.990           | 35.740         | 0.6  | PHS 40-3BH13 |
|       |     | 14              | 63.25                  | B    | 12.70              | 28.58 | 42.86  | 53.98 | 6.990           | 35.740         | 0.7  | PHS 40-3BH14 |
|       |     | 15              | 67.31                  | B    | 12.70              | 31.75 | 46.04  | 53.98 | 6.990           | 35.740         | 0.8  | PHS 40-3BH15 |
|       |     | 16              | 71.37                  | B    | 15.88              | 34.93 | 50.80  | 53.98 | 6.990           | 35.740         | 0.9  | PHS 40-3BH16 |
|       |     | 17              | 75.69                  | B    | 15.88              | 36.51 | 53.98  | 53.98 | 6.990           | 35.740         | 1.1  | PHS 40-3BH17 |
|       |     | 18              | 79.76                  | B    | 15.88              | 38.10 | 58.74  | 53.98 | 6.990           | 35.740         | 1.2  | PHS 40-3BH18 |
|       |     | 19              | 83.82                  | B    | 15.88              | 44.45 | 63.50  | 53.98 | 6.990           | 35.740         | 1.4  | PHS 40-3BH19 |
|       |     | 20              | 87.88                  | B    | 15.88              | 47.63 | 66.68  | 57.15 | 6.990           | 35.740         | 1.7  | PHS 40-3BH20 |
|       |     | 21              | 91.95                  | B    | 15.88              | 47.63 | 69.85  | 57.15 | 6.990           | 35.740         | 1.8  | PHS 40-3BH21 |
|       |     | 22              | 96.01                  | B    | 15.88              | 47.63 | 73.03  | 57.15 | 6.990           | 35.740         | 2.1  | PHS 40-3BH22 |
|       |     | 23              | 100.08                 | B    | 15.88              | 50.80 | 76.20  | 57.15 | 6.990           | 35.740         | 2.3  | PHS 40-3BH23 |
|       |     | 24              | 104.14                 | B    | 15.88              | 57.15 | 82.55  | 57.15 | 6.990           | 35.740         | 2.6  | PHS 40-3BH24 |
|       |     | 25              | 108.20                 | B    | 15.88              | 57.15 | 82.55  | 57.15 | 6.990           | 35.740         | 2.7  | PHS 40-3BH25 |
|       |     | 26              | 112.27                 | B    | 15.88              | 57.15 | 82.55  | 57.15 | 6.990           | 35.740         | 2.9  | PHS 40-3B26  |
|       |     | 30              | 128.52                 | B    | 22.23              | 57.15 | 82.55  | 57.15 | 6.990           | 35.740         | 3.6  | PHS 40-3B30  |
|       |     | 35              | 148.84                 | B    | 22.23              | 57.15 | 82.55  | 57.15 | 6.990           | 35.740         | 4.7  | PHS 40-3B35  |
|       |     | 36              | 152.91                 | B    | 23.81              | 63.50 | 95.25  | 60.33 | 6.990           | 35.740         | 5.3  | PHS 40-3B36  |
|       |     | 42              | 177.04                 | B    | 23.81              | 63.50 | 95.25  | 60.33 | 6.990           | 35.740         | 7.0  | PHS 40-3B42  |
|       |     | 48              | 201.42                 | B    | 23.81              | 63.50 | 95.25  | 60.33 | 6.990           | 35.740         | 8.8  | PHS 40-3B48  |
|       |     | 52              | 217.68                 | B    | 23.81              | 63.50 | 95.25  | 60.33 | 6.990           | 35.740         | 10.2 | PHS 40-3B52  |
|       |     | 60              | 249.94                 | B    | 23.81              | 63.50 | 95.25  | 60.33 | 6.990           | 35.740         | 13.6 | PHS 40-3B60  |
|       |     | 68              | 282.45                 | B    | 30.16              | 69.85 | 101.60 | 66.68 | 6.990           | 35.740         | 17.4 | PHS 40-3B68  |
|       |     | 72              | 298.45                 | B    | 30.16              | 69.85 | 101.60 | 66.68 | 6.990           | 35.740         | 19.3 | PHS 40-3B72  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-3BH13.

# ANSI sprockets, triplex, pilot bore

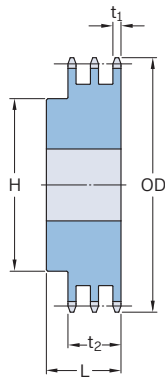
ANSI 40-3 · 12.70 mm (1/2") pitch | ANSI 50-3 · 15.88 mm (5/8") pitch | ANSI 60-3 · 19.05 mm (3/4") pitch | ANSI 80-3 · 25.40 mm (1") pitch

| Pitch |     | Number of teeth | Outside diameter<br>OD | Type | Dimensions<br>Bore |       | H      | L      | Plate thickness |                | Mass | Designation  |
|-------|-----|-----------------|------------------------|------|--------------------|-------|--------|--------|-----------------|----------------|------|--------------|
|       |     |                 |                        |      | Min.               | Max.  |        |        | t <sub>1</sub>  | t <sub>2</sub> |      |              |
| mm    | in. | –               | mm                     | –    | mm                 |       |        |        |                 |                | kg   | –            |
| 12.70 | 1/2 | 76              | 314.71                 | B    | 30.16              | 69.85 | 101.60 | 66.68  | 6.990           | 35.740         | 21.3 | PHS 40-3B76  |
|       |     | 84              | 346.96                 | B    | 30.16              | 69.85 | 107.95 | 69.85  | 6.990           | 35.740         | 26.0 | PHS 40-3B84  |
|       |     | 95              | 391.41                 | B    | 30.16              | 69.85 | 107.95 | 69.85  | 6.990           | 35.740         | 28.2 | PHS 40-3B95  |
|       |     | 102             | 419.86                 | B    | 30.16              | 69.85 | 107.95 | 69.85  | 6.990           | 35.740         | 31.0 | PHS 40-3B102 |
| 15.88 | 5/8 | 11              | 63.50                  | B    | 15.88              | 23.81 | 37.31  | 63.50  | 8.430           | 44.650         | 0.6  | PHS 50-3BH11 |
|       |     | 12              | 68.83                  | B    | 15.88              | 28.58 | 42.86  | 63.50  | 8.430           | 44.650         | 0.8  | PHS 50-3BH12 |
|       |     | 13              | 73.91                  | B    | 15.88              | 33.34 | 47.63  | 63.50  | 8.430           | 44.650         | 1.0  | PHS 50-3BH13 |
|       |     | 14              | 78.99                  | B    | 15.88              | 34.93 | 52.39  | 63.50  | 8.430           | 44.650         | 1.2  | PHS 50-3BH14 |
|       |     | 15              | 84.33                  | B    | 19.05              | 38.10 | 58.74  | 63.50  | 8.430           | 44.650         | 1.5  | PHS 50-3BH15 |
|       |     | 16              | 89.41                  | B    | 19.05              | 44.45 | 63.50  | 63.50  | 8.430           | 44.650         | 1.7  | PHS 50-3BH16 |
|       |     | 17              | 94.49                  | B    | 19.05              | 47.63 | 68.26  | 63.50  | 8.430           | 44.650         | 2.0  | PHS 50-3BH17 |
|       |     | 18              | 99.57                  | B    | 19.05              | 49.21 | 74.61  | 63.50  | 8.430           | 44.650         | 2.3  | PHS 50-3BH18 |
|       |     | 19              | 104.65                 | B    | 25.40              | 53.98 | 79.38  | 63.50  | 8.430           | 44.650         | 2.5  | PHS 50-3BH19 |
|       |     | 20              | 109.73                 | B    | 25.40              | 57.15 | 82.55  | 66.68  | 8.430           | 44.650         | 2.9  | PHS 50-3BH20 |
|       |     | 21              | 114.81                 | B    | 25.40              | 60.33 | 88.90  | 66.68  | 8.430           | 44.650         | 3.4  | PHS 50-3BH21 |
|       |     | 22              | 119.89                 | B    | 25.40              | 60.33 | 90.49  | 66.68  | 8.430           | 44.650         | 3.6  | PHS 50-3BH22 |
|       |     | 23              | 124.97                 | B    | 25.40              | 63.50 | 92.08  | 66.68  | 8.430           | 44.650         | 4.0  | PHS 50-3BH23 |
|       |     | 24              | 130.05                 | B    | 25.40              | 63.50 | 92.08  | 66.68  | 8.430           | 44.650         | 4.3  | PHS 50-3BH24 |
|       |     | 25              | 135.13                 | B    | 25.40              | 63.50 | 92.08  | 66.68  | 8.430           | 44.650         | 4.6  | PHS 50-3BH25 |
|       |     | 26              | 140.21                 | B    | 25.40              | 63.50 | 95.25  | 66.68  | 8.430           | 44.650         | 5.0  | PHS 50-3B26  |
|       |     | 30              | 160.53                 | B    | 25.40              | 63.50 | 95.25  | 66.68  | 8.430           | 44.650         | 6.5  | PHS 50-3B30  |
|       |     | 35              | 185.93                 | B    | 25.40              | 63.50 | 95.25  | 66.68  | 8.430           | 44.650         | 8.6  | PHS 50-3B35  |
|       |     | 36              | 191.01                 | B    | 30.16              | 69.85 | 101.60 | 69.85  | 8.430           | 44.650         | 9.3  | PHS 50-3B36  |
|       |     | 42              | 221.49                 | B    | 30.16              | 69.85 | 101.60 | 69.85  | 8.430           | 44.650         | 12.5 | PHS 50-3B42  |
|       |     | 48              | 251.71                 | B    | 30.16              | 69.85 | 101.60 | 79.38  | 8.430           | 44.650         | 16.6 | PHS 50-3B48  |
|       |     | 52              | 272.03                 | B    | 30.16              | 69.85 | 101.60 | 79.38  | 8.430           | 44.650         | 19.3 | PHS 50-3B52  |
|       |     | 60              | 312.42                 | B    | 33.34              | 76.20 | 114.30 | 79.38  | 8.430           | 44.650         | 25.8 | PHS 50-3B60  |
|       |     | 68              | 352.81                 | B    | 33.34              | 76.20 | 114.30 | 79.38  | 8.430           | 44.650         | 33.2 | PHS 50-3B68  |
|       |     | 72              | 373.13                 | C    | 33.34              | 76.20 | 120.65 | 88.90  | 8.430           | 44.650         | 24.7 | PHS 50-3C72  |
|       |     | 76              | 393.45                 | C    | 33.34              | 76.20 | 120.65 | 88.90  | 8.430           | 44.650         | 23.2 | PHS 50-3C76  |
|       |     | 84              | 433.83                 | C    | 33.34              | 76.20 | 120.65 | 88.90  | 8.430           | 44.650         | 29.6 | PHS 50-3C84  |
|       |     | 95              | 489.46                 | C    | 33.34              | 76.20 | 120.65 | 95.25  | 8.430           | 44.650         | 33.8 | PHS 50-3C95  |
|       |     | 102             | 524.76                 | C    | 33.34              | 76.20 | 120.65 | 95.25  | 8.430           | 44.650         | 36.3 | PHS 50-3C102 |
| 19.05 | 3/4 | 11              | 76.20                  | B    | 25.40              | 31.75 | 46.04  | 76.20  | 11.280          | 56.850         | 1.1  | PHS 60-3BH11 |
|       |     | 12              | 82.55                  | B    | 25.40              | 36.51 | 53.98  | 76.20  | 11.280          | 56.850         | 1.5  | PHS 60-3BH12 |
|       |     | 13              | 88.65                  | B    | 25.40              | 38.10 | 57.15  | 76.20  | 11.280          | 56.850         | 1.8  | PHS 60-3BH13 |
|       |     | 14              | 95.00                  | B    | 25.40              | 44.45 | 63.50  | 76.20  | 11.280          | 56.850         | 2.0  | PHS 60-3BH14 |
|       |     | 15              | 101.09                 | B    | 25.40              | 47.63 | 71.44  | 76.20  | 11.280          | 56.850         | 2.5  | PHS 60-3BH15 |
|       |     | 16              | 107.19                 | B    | 25.40              | 50.80 | 76.20  | 76.20  | 11.280          | 56.850         | 3.0  | PHS 60-3BH16 |
|       |     | 17              | 113.28                 | B    | 25.40              | 57.15 | 82.55  | 76.20  | 11.280          | 56.850         | 3.5  | PHS 60-3BH17 |
|       |     | 18              | 119.38                 | B    | 25.40              | 60.33 | 88.90  | 76.20  | 11.280          | 56.850         | 3.9  | PHS 60-3BH18 |
|       |     | 19              | 125.73                 | B    | 25.40              | 63.50 | 93.66  | 76.20  | 11.280          | 56.850         | 4.5  | PHS 60-3BH19 |
|       |     | 20              | 131.83                 | B    | 25.40              | 63.50 | 95.25  | 76.20  | 11.280          | 56.850         | 5.1  | PHS 60-3BH20 |
|       |     | 21              | 137.92                 | B    | 25.40              | 69.85 | 104.78 | 76.20  | 11.280          | 56.850         | 5.7  | PHS 60-3BH21 |
|       |     | 22              | 144.02                 | B    | 25.40              | 69.85 | 107.95 | 76.20  | 11.280          | 56.850         | 6.0  | PHS 60-3BH22 |
|       |     | 23              | 150.11                 | B    | 25.40              | 69.85 | 107.95 | 76.20  | 11.280          | 56.850         | 6.6  | PHS 60-3BH23 |
|       |     | 24              | 156.21                 | B    | 25.40              | 69.85 | 107.95 | 76.20  | 11.280          | 56.850         | 7.2  | PHS 60-3BH24 |
|       |     | 25              | 162.31                 | B    | 25.40              | 69.85 | 107.95 | 76.20  | 11.280          | 56.850         | 7.7  | PHS 60-3BH25 |
|       |     | 26              | 168.40                 | B    | 25.40              | 69.85 | 107.95 | 76.20  | 11.280          | 56.850         | 8.4  | PHS 60-3B26  |
|       |     | 30              | 192.79                 | B    | 25.40              | 69.85 | 107.95 | 76.20  | 11.280          | 56.850         | 10.5 | PHS 60-3B30  |
|       |     | 35              | 223.01                 | B    | 31.75              | 76.20 | 114.30 | 82.55  | 11.280          | 56.850         | 15.7 | PHS 60-3B35  |
|       |     | 36              | 229.11                 | B    | 31.75              | 76.20 | 114.30 | 82.55  | 11.280          | 56.850         | 16.8 | PHS 60-3B36  |
|       |     | 42              | 265.68                 | B    | 31.75              | 82.55 | 120.65 | 92.08  | 11.280          | 56.850         | 22.2 | PHS 60-3B42  |
|       |     | 45              | 283.97                 | B    | 31.75              | 82.55 | 120.65 | 92.08  | 11.280          | 56.850         | 25.9 | PHS 60-3B45  |
|       |     | 52              | 326.39                 | C    | 31.75              | 82.55 | 120.65 | 88.90  | 11.280          | 56.850         | 33.1 | PHS 60-3C52  |
|       |     | 60              | 374.90                 | C    | 31.75              | 82.55 | 120.65 | 88.90  | 11.280          | 56.850         | 28.6 | PHS 60-3C60  |
|       |     | 68              | 423.42                 | C    | 31.75              | 82.55 | 127.00 | 88.90  | 11.280          | 56.850         | 33.1 | PHS 60-3C68  |
|       |     | 72              | 447.80                 | C    | 31.75              | 82.55 | 127.00 | 88.90  | 11.280          | 56.850         | 38.6 | PHS 60-3C72  |
|       |     | 76              | 471.93                 | C    | 38.10              | 95.25 | 139.70 | 88.90  | 11.280          | 56.850         | 37.2 | PHS 60-3C76  |
|       |     | 95              | 587.25                 | C    | 38.10              | 95.25 | 139.70 | 101.60 | 11.280          | 56.850         | 47.6 | PHS 60-3C95  |
| 25.40 | 1   | 11              | 101.85                 | B    | 25.40              | 44.45 | 63.50  | 92.08  | 14.150          | 72.720         | 2.7  | PHS 80-3BH11 |
|       |     | 12              | 109.98                 | B    | 25.40              | 47.63 | 72.23  | 92.08  | 14.150          | 72.720         | 3.4  | PHS 80-3BH12 |
|       |     | 13              | 118.36                 | B    | 25.40              | 57.15 | 80.17  | 92.08  | 14.150          | 72.720         | 4.2  | PHS 80-3BH13 |
|       |     | 14              | 126.49                 | B    | 25.40              | 60.33 | 88.11  | 92.08  | 14.150          | 72.720         | 5.0  | PHS 80-3BH14 |
|       |     | 15              | 134.62                 | B    | 25.40              | 63.50 | 96.44  | 92.08  | 14.150          | 72.720         | 5.9  | PHS 80-3BH15 |
|       |     | 16              | 143.00                 | B    | 25.40              | 69.85 | 101.60 | 98.43  | 14.150          | 72.720         | 7.2  | PHS 80-3BH16 |
|       |     | 17              | 151.13                 | B    | 25.40              | 76.20 | 112.32 | 98.43  | 14.150          | 72.720         | 8.4  | PHS 80-3BH17 |
|       |     | 18              | 159.26                 | B    | 25.40              | 82.55 | 120.25 | 98.43  | 14.150          | 72.720         | 9.6  | PHS 80-3BH18 |
|       |     | 19              | 167.39                 | B    | 25.40              | 84.14 | 127.00 | 98.43  | 14.150          | 72.720         | 10.8 | PHS 80-3BH19 |
|       |     | 20              | 175.51                 | B    | 25.40              | 84.14 | 127.00 | 98.43  | 14.150          | 72.720         | 11.8 | PHS 80-3BH20 |

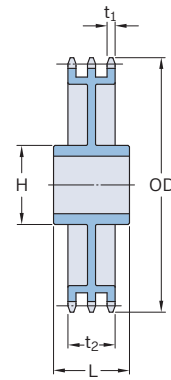
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-3BH13.

# ANSI sprockets, triplex, pilot bore

ANSI 80-3 · 25.40 mm (1") pitch | ANSI 100-3 · 31.75 mm (1 1/4") pitch



Type B



Type C

| Pitch |       | Number of teeth | Outside diameter<br>OD | Type | Dimensions<br>Bore |        | H      | L      | Plate thickness |                | Mass  | Designation   |
|-------|-------|-----------------|------------------------|------|--------------------|--------|--------|--------|-----------------|----------------|-------|---------------|
|       |       |                 |                        |      | Min.               | Max.   |        |        | t <sub>1</sub>  | t <sub>2</sub> |       |               |
| mm    | in.   | –               | mm                     | –    | mm                 |        |        |        |                 |                | kg    | –             |
| 25.40 | 1     | 21              | 183.90                 | B    | 25.40              | 84.14  | 127.00 | 98.43  | 14.150          | 72.720         | 12.9  | PHS 80-3BH21  |
|       |       | 22              | 192.02                 | B    | 25.40              | 84.14  | 127.00 | 98.43  | 14.150          | 72.720         | 14.1  | PHS 80-3BH22  |
|       |       | 23              | 200.15                 | B    | 25.40              | 84.14  | 127.00 | 98.43  | 14.150          | 72.720         | 15.2  | PHS 80-3BH23  |
|       |       | 24              | 208.28                 | B    | 25.40              | 88.90  | 133.35 | 98.43  | 14.150          | 72.720         | 16.8  | PHS 80-3BH24  |
|       |       | 25              | 216.41                 | B    | 25.40              | 88.90  | 133.35 | 98.43  | 14.150          | 72.720         | 18.2  | PHS 80-3BH25  |
|       |       | 26              | 224.54                 | B    | 25.40              | 88.90  | 133.35 | 98.43  | 14.150          | 72.720         | 19.5  | PHS 80-3B26   |
|       |       | 30              | 256.79                 | B    | 31.75              | 95.25  | 146.05 | 107.95 | 14.150          | 72.720         | 24.7  | PHS 80-3B30   |
|       |       | 35              | 297.43                 | B    | 31.75              | 95.25  | 146.05 | 107.95 | 14.150          | 72.720         | 36.1  | PHS 80-3B35   |
|       |       | 36              | 305.56                 | B    | 31.75              | 95.25  | 146.05 | 107.95 | 14.150          | 72.720         | 38.1  | PHS 80-3B36   |
|       |       | 42              | 354.08                 | C    | 31.75              | 96.84  | 152.40 | 114.30 | 14.150          | 72.720         | 38.5  | PHS 80-3C42   |
|       |       | 45              | 378.46                 | C    | 31.75              | 96.84  | 152.40 | 114.30 | 14.150          | 72.720         | 41.9  | PHS 80-3C45   |
|       |       | 52              | 435.10                 | C    | 38.10              | 96.84  | 152.40 | 114.30 | 14.150          | 72.720         | 48.5  | PHS 80-3C52   |
|       |       | 60              | 499.87                 | C    | 38.10              | 107.95 | 158.75 | 120.65 | 14.150          | 72.720         | 58.1  | PHS 80-3C60   |
|       |       | 68              | 564.64                 | C    | 38.10              | 107.95 | 158.75 | 120.65 | 14.150          | 72.720         | 63.5  | PHS 80-3C68   |
|       |       | 76              | 629.41                 | C    | 38.10              | 107.95 | 158.75 | 120.65 | 14.150          | 72.720         | 74.8  | PHS 80-3C76   |
|       |       | 95              | 783.08                 | C    | 38.10              | 114.30 | 171.45 | 127.00 | 14.150          | 72.720         | 108.9 | PHS 80-3C95   |
| 31.75 | 1 1/4 | 11              | 127.25                 | B    | 25.40              | 53.98  | 79.38  | 107.95 | 16.990          | 88.520         | 5.3   | PHS 100-3BH11 |
|       |       | 12              | 137.67                 | B    | 28.58              | 57.15  | 85.73  | 107.95 | 16.990          | 88.520         | 6.2   | PHS 100-3BH12 |
|       |       | 13              | 147.83                 | B    | 28.58              | 63.50  | 96.84  | 107.95 | 16.990          | 88.520         | 7.7   | PHS 100-3BH13 |
|       |       | 14              | 158.24                 | B    | 28.58              | 69.85  | 106.36 | 107.95 | 16.990          | 88.520         | 9.2   | PHS 100-3BH14 |
|       |       | 15              | 168.40                 | B    | 31.75              | 79.38  | 117.48 | 114.30 | 16.990          | 88.520         | 11.3  | PHS 100-3BH15 |
|       |       | 16              | 178.56                 | B    | 31.75              | 84.14  | 127.00 | 114.30 | 16.990          | 88.520         | 13.3  | PHS 100-3BH16 |
|       |       | 17              | 188.98                 | B    | 31.75              | 88.90  | 133.35 | 114.30 | 16.990          | 88.520         | 15.3  | PHS 100-3BH17 |
|       |       | 18              | 199.14                 | B    | 31.75              | 88.90  | 133.35 | 120.65 | 16.990          | 88.520         | 17.5  | PHS 100-3BH18 |
|       |       | 19              | 209.30                 | B    | 31.75              | 95.25  | 139.70 | 120.65 | 16.990          | 88.520         | 19.6  | PHS 100-3BH19 |
|       |       | 20              | 219.46                 | B    | 31.75              | 95.25  | 139.70 | 120.65 | 16.990          | 88.520         | 21.7  | PHS 100-3BH20 |
|       |       | 21              | 229.62                 | B    | 31.75              | 95.25  | 139.70 | 120.65 | 16.990          | 88.520         | 23.7  | PHS 100-3BH21 |
|       |       | 22              | 239.78                 | B    | 31.75              | 95.25  | 139.70 | 120.65 | 16.990          | 88.520         | 26.1  | PHS 100-3BH22 |
|       |       | 23              | 249.94                 | B    | 31.75              | 95.25  | 139.70 | 120.65 | 16.990          | 88.520         | 28.4  | PHS 100-3BH23 |
|       |       | 24              | 260.35                 | B    | 31.75              | 95.25  | 146.05 | 120.65 | 16.990          | 88.520         | 31.3  | PHS 100-3BH24 |
|       |       | 25              | 270.51                 | B    | 31.75              | 95.25  | 146.05 | 120.65 | 16.990          | 88.520         | 33.1  | PHS 100-3BH25 |
|       |       | 26              | 280.67                 | B    | 38.10              | 96.84  | 146.05 | 120.65 | 16.990          | 88.520         | 35.8  | PHS 100-3B26  |
|       |       | 30              | 321.06                 | B    | 38.10              | 96.84  | 146.05 | 120.65 | 16.990          | 88.520         | 46.7  | PHS 100-3B30  |
|       |       | 35              | 371.86                 | C    | 38.10              | 101.60 | 152.40 | 127.00 | 16.990          | 88.520         | 49.0  | PHS 100-3C35  |
|       |       | 45              | 473.20                 | C    | 38.10              | 101.60 | 152.40 | 127.00 | 16.990          | 88.520         | 64.9  | PHS 100-3C45  |
|       |       | 60              | 624.84                 | C    | 38.10              | 136.53 | 190.50 | 127.00 | 16.990          | 88.520         | 98.4  | PHS 100-3C60  |
|       |       | 70              | 725.93                 | C    | 38.10              | 136.53 | 190.50 | 127.00 | 16.990          | 88.520         | 118.8 | PHS 100-3C70  |
|       |       | 80              | 827.28                 | C    | 38.10              | 136.53 | 190.50 | 127.00 | 16.990          | 88.520         | 142.0 | PHS 100-3C80  |

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.  
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.  
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 35-3BH13.





# Pulleys



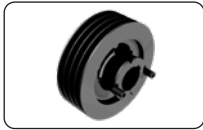
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QD Classical V-belt pulley . . . . . 300



Narrow wedge belt pulleys . . . . . 309



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Metric timing pulleys . . . . . 349

F

# SKF Pulleys

SKF pulley range nomenclature has a defined prefix of PHP. All pulleys are made to be applied to standardized belts. SKF pulleys conform to conventional basic belt part number format – ISO, BS, or DIN.

# Pulleys – V-belts

The pulley range designation from SKF has the following is an example to indicate set up.

| SKF Designation prefix                                                                                                                                            | PHP | 4 | SPB | 800 | TB | 5040 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|-----|-----|----|------|
| <b>Groove number</b> _____<br>The number of grooves on the pulley                                                                                                 |     |   |     |     |    |      |
| <b>Belt type</b> _____<br>Belt section being applied to the pulley<br>Conforms with standards for dimensions for groove profile                                   |     |   |     |     |    |      |
| <b>Pulley diameter</b> _____<br>Pitch circle pulley dimension<br>Wedge belt pulley – millimetres (mm)<br>Classical and Narrow wedge – 1/10 inch                   |     |   |     |     |    |      |
| <b>Shaft fixing type</b> _____<br>Taper bushing – TB standard catalogue taper bush applied<br>QD – designation of bushing series e.g. M<br>Rough stock bore – RSB |     |   |     |     |    |      |
| <b>Supplementary</b> _____<br>Possible other options and special requirements<br>Non standard bushing size – e.g 5040<br>Bore to size – X125MM                    |     |   |     |     |    |      |

## Pulleys (PHP Product Group)

Classical and trapezoidal inch pitch timing pulleys (MXL, XL, L, H, XH, XXH) are manufactured according to ISO 5294.

Metric pitch series timing pulleys (T/AT) are manufactured according to DIN 7721.

All SKF V-belt pulleys are manufactured to the standards ISO 4183, DIN 2211, ANSI Narrow V-belt pulley IP-22 and the ANSI Classical V-belt pulley IP-20. They are interchangeable with type SPA, SPB, SPC and SPZ. The pulleys are made from cast iron G3000, according to American standard SAEJ431AVG96.

The following are typical specifications of G3000:

- Tensile strength = 207 MPa
- Hardness = HB 187-241
- Chemical composition C 3.1-3.4 %, Si 1.9-2.3 %, Mn 0.6-0.9 %, S = 0.15 %, P = 0.15%

After being machined, pulleys are phosphated and treated with a rustproof oil.

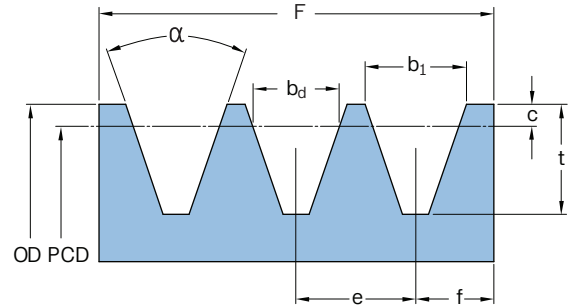
All pulleys are statically balanced to G6.3 according to ISO 1940. After balanced the pulleys are suitable for the linear speed of not more than 33m/s (6 500 fpm). Two Plane (Dynamic) balancing can be provided on request. SKF can issue a certificate stating that all pulleys are dynamically balanced in case of any special customer request.

## Standard pulley groove dimensions DIN2211/1 and BS3970

Classical V-belt pulleys | Narrow Wedge V-belt pulleys (DIN / BS / ISO) | Narrow wedge belt pulleys (RMA)

### Nomenclature:

- a Pulley groove included angle (°)
- OD Outside diameter
- PCD Effective (pitch) diameter
- bd Effective width at pitch line
- b1 Groove top width
- c Distance from pitch to outside diameter (= OD - PCD/2)
- e Transverse pitch of grooves (to centers)
- f Minimum recommended distance from edge of pulley to center of first groove
- t Total groove depth



### Classical V-belt pulleys

| Classical belt series | Pitch diameter range | Groove angle | Dimensions     |                |       |       |       |  |
|-----------------------|----------------------|--------------|----------------|----------------|-------|-------|-------|--|
|                       |                      | a            | b <sub>1</sub> | b <sub>d</sub> | t     | c     | e     |  |
| –                     | mm                   | °            | mm             |                |       |       |       |  |
| 13/A-17/B             | 85–170               | 34           | 15.55          | 15.88          | 19.05 | 4.45  | 12.70 |  |
|                       | Over 170             | 38           | 22.33          | 15.88          | 19.05 | 4.45  | 12.70 |  |
| 22/C                  | 178–203              | 34           | 22.53          | 19.81          | 25.40 | 5.08  | 17.48 |  |
|                       | 203–305              | 36           | 22.73          | 19.81          | 25.40 | 5.08  | 17.48 |  |
|                       | Over 305             | 38           | 31.98          | 19.81          | 25.40 | 5.08  | 17.48 |  |
| 32/D                  | 305–330              | 34           | 32.28          | 26.67          | 36.53 | 7.62  | 22.23 |  |
|                       | 330–432              | 36           | 32.59          | 26.67          | 36.53 | 7.62  | 22.23 |  |
|                       | Over 432             | 38           | 38.79          | 26.67          | 36.53 | 7.62  | 22.23 |  |
| 40/E                  | 457–610              | 36           | 39.17          | 33.02          | 44.45 | 10.16 | 31.24 |  |
|                       | Over 610             | 38           |                | 33.02          | 44.45 | 10.16 | 31.24 |  |

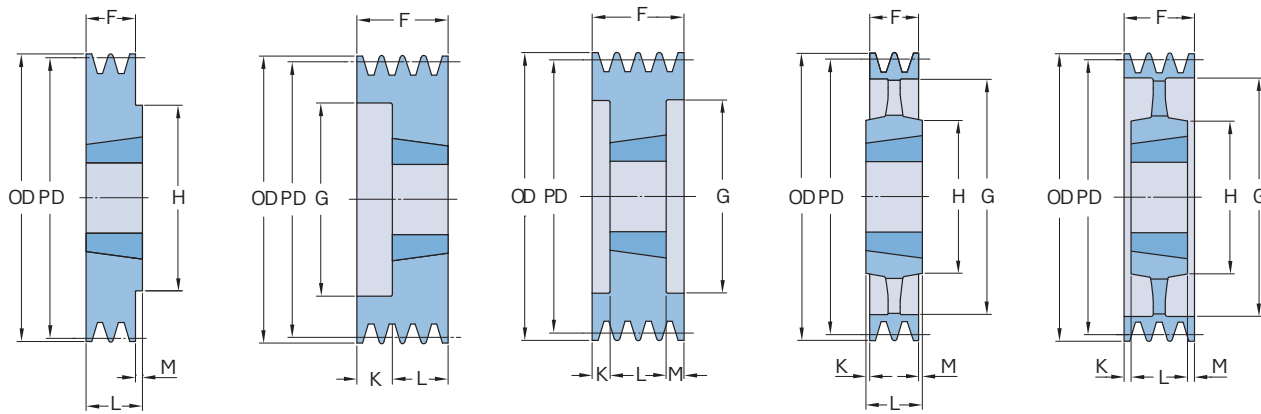
### Narrow Wedge V-belt pulleys (DIN / BS / ISO)

| Classical belt series | Pitch diameter range | Groove angle | Dimensions     |                |              |      |            |      |  |
|-----------------------|----------------------|--------------|----------------|----------------|--------------|------|------------|------|--|
|                       |                      | α            | b <sub>1</sub> | b <sub>d</sub> | t(+0.6/-0.0) | c    | e          | f    |  |
| –                     | mm                   | °            | mm             |                |              |      |            |      |  |
| SPZ                   | Up to and incl. 80   | 34           | 9.7            | 8.5            | 11.00        | 2.00 | 12.0 ± 0.3 | 8.0  |  |
|                       | Over 80              | 38           | 9.7            | 8.5            | 11.00        | 2.00 | 12.0 ± 0.3 | 8.0  |  |
| SPA                   | Up to and incl. 118  | 34           | 12.7           | 11.0           | 14.00        | 2.80 | 15.0 ± 0.3 | 10.0 |  |
|                       | Over 118             | 38           | 12.7           | 11.0           | 14.00        | 2.80 | 15.0 ± 0.3 | 10.0 |  |
| SPB                   | Up to and incl. 190  | 34           | 16.2           | 14.4           | 18.00        | 3.50 | 19.0 ± 0.4 | 12.5 |  |
|                       | Over 190             | 38           | 16.2           | 14.4           | 18.00        | 3.50 | 19.0 ± 0.4 | 12.5 |  |
| SPC                   | Up to and incl. 315  | 34           | 22.0           | 19.0           | 24.00        | 4.80 | 25.5 ± 0.5 | 17.0 |  |
|                       | Over 315             | 38           | 22.0           | 19.0           | 24.00        | 4.80 | 25.5 ± 0.5 | 17.0 |  |

### Narrow wedge belt pulleys (RMA)

| RMA Belt series | Pitch diameter range | Groove angle | Dimensions     |                |       |      |            |      |  |
|-----------------|----------------------|--------------|----------------|----------------|-------|------|------------|------|--|
|                 |                      | aaa          | b <sub>1</sub> | b <sub>d</sub> | t     | c    | e          | f    |  |
| –               | mm                   | °            | mm             |                |       |      |            |      |  |
| 3V, 3VX         | Up to and incl. 90   | 36           | 8.89           | 8.89           | 8.64  | 0.64 | 10.3 ± 0.4 | 8.74 |  |
|                 | Over 90–150          | 38           | 8.89           | 8.89           | 8.64  | 0.64 | 10.3 ± 0.4 | 8.74 |  |
|                 | Over 150–305         | 40           | 8.89           | 8.89           | 8.64  | 0.64 | 10.3 ± 0.4 | 8.74 |  |
|                 | Over 305             | 42           | 8.89           | 8.89           | 8.64  | 0.64 | 10.3 ± 0.4 | 8.74 |  |
|                 |                      |              |                |                |       |      |            |      |  |
| 5V, 5VX         | Over 140–255         | 38           | 15.24          | 12.70          | 14.98 | 1.27 | 17.5 ± 0.4 | 3.20 |  |
|                 | Over 255–405         | 40           | 15.24          | 12.70          | 14.98 | 1.27 | 17.5 ± 0.4 | 3.20 |  |
|                 | Over 405             | 42           | 15.24          | 12.70          | 14.98 | 1.27 | 17.5 ± 0.4 | 3.20 |  |
| 8V, 8VX         | Over 315–405         | 38           | 25.40          | 25.40          | 25.15 | 2.54 | 28.6 ± 0.4 | 6.40 |  |
|                 | Over 405–570         | 40           | 25.40          | 25.40          | 25.15 | 2.54 | 28.6 ± 0.4 | 6.40 |  |
|                 | Over 570             | 42           | 25.40          | 25.40          | 25.15 | 2.54 | 28.6 ± 0.4 | 6.40 |  |

Wedge belt pulleys  
SPZ taper bushed



Type 1

Type 2

Type 3

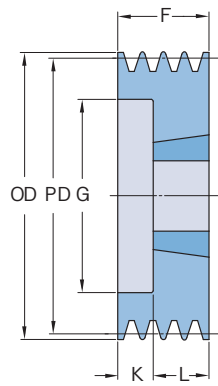
Type 4

Type 5

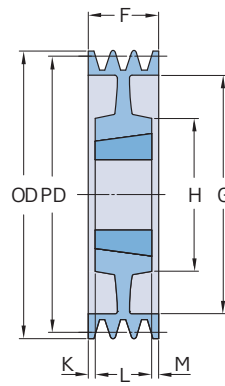
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |    | Outer diameter OD |      |     |      |    |      |     | Mass <sup>1)</sup> | Designation   |
|---------|-------------------|--------------------|-------------|----------------|------------|----|-------------------|------|-----|------|----|------|-----|--------------------|---------------|
|         |                   |                    |             |                |            |    | Min.              | Max. | F   | G    | K  | L    | M   | H                  |               |
| –       | –                 | mm                 | –           | –              | mm         |    |                   |      |     |      |    |      |     |                    | kg            |
| SPZ     | 1                 | 50                 | 9           | 1008           | 54.0       | 9  | 25                | 37   | 28  | 12.0 | 22 | –    | –   | 0.3                | PHP 1SPZ50TB  |
|         |                   | 56                 | 9           | 1008           | 60.0       | 9  | 25                | 37   | 23  | 12.0 | 22 | –    | –   | 0.5                | PHP 1SPZ56TB  |
|         |                   | 60                 | 1           | 1008           | 64.0       | 9  | 25                | 22   | –   | –    | 22 | –    | –   | 0.3                | PHP 1SPZ60TB  |
|         |                   | 63                 | 1           | 1108           | 67.0       | 9  | 28                | 16   | –   | –    | 22 | 6.0  | 62  | 0.3                | PHP 1SPZ63TB  |
|         |                   | 67                 | 1           | 1108           | 71.0       | 9  | 28                | 16   | –   | –    | 22 | 6.0  | 62  | 0.3                | PHP 1SPZ67TB  |
|         |                   | 71                 | 1           | 1108           | 75.0       | 9  | 28                | 16   | –   | –    | 22 | 6.0  | 62  | 0.4                | PHP 1SPZ71TB  |
|         |                   | 75                 | 1           | 1108           | 79.0       | 9  | 28                | 16   | –   | –    | 22 | 6.0  | 62  | 0.4                | PHP 1SPZ75TB  |
|         |                   | 80                 | 1           | 1210           | 84.0       | 11 | 32                | 16   | –   | –    | 25 | 9.0  | 75  | 0.5                | PHP 1SPZ80TB  |
|         |                   | 85                 | 1           | 1210           | 89.0       | 11 | 32                | 16   | –   | –    | 25 | 9.0  | 75  | 0.7                | PHP 1SPZ85TB  |
|         |                   | 90                 | 1           | 1210           | 94.0       | 11 | 32                | 16   | –   | –    | 25 | 9.0  | 75  | 0.7                | PHP 1SPZ90TB  |
|         |                   | 95                 | 1           | 1210           | 99.0       | 11 | 32                | 16   | –   | –    | 25 | 9.0  | 75  | 0.8                | PHP 1SPZ95TB  |
|         |                   | 100                | 1           | 1210           | 104.0      | 11 | 32                | 16   | –   | –    | 25 | 9.0  | 75  | 0.9                | PHP 1SPZ100TB |
|         |                   | 106                | 1           | 1610           | 110.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 1.0                | PHP 1SPZ106TB |
|         |                   | 112                | 1           | 1610           | 116.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 1.1                | PHP 1SPZ112TB |
|         |                   | 118                | 1           | 1610           | 122.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 1.2                | PHP 1SPZ118TB |
|         |                   | 125                | 1           | 1610           | 129.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 1.3                | PHP 1SPZ125TB |
|         |                   | 132                | 1           | 1610           | 136.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 1.5                | PHP 1SPZ132TB |
|         |                   | 140                | 1           | 1610           | 144.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 1.7                | PHP 1SPZ140TB |
|         |                   | 150                | 1           | 1610           | 154.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 2.0                | PHP 1SPZ150TB |
|         |                   | 160                | 1           | 1610           | 164.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 2.2                | PHP 1SPZ160TB |
|         |                   | 170                | 1           | 1610           | 174.0      | 14 | 42                | 16   | –   | –    | 25 | 9.0  | 80  | 2.2                | PHP 1SPZ170TB |
|         |                   | 180                | 4           | 1610           | 184.0      | 14 | 42                | 16   | 152 | –    | 25 | 9.0  | 92  | 2.1                | PHP 1SPZ180TB |
|         |                   | 190                | 4           | 1610           | 194.0      | 14 | 42                | 16   | 161 | –    | 25 | 9.0  | 92  | 2.7                | PHP 1SPZ190TB |
|         |                   | 200                | 4           | 2012           | 204.0      | 14 | 50                | 16   | 172 | –    | 32 | 16.0 | 100 | 3.4                | PHP 1SPZ200TB |
|         |                   | 224                | 4           | 2012           | 228.0      | 14 | 50                | 16   | 196 | –    | 32 | 16.0 | 100 | 3.6                | PHP 1SPZ224TB |
|         |                   | 236                | 4           | 2012           | 240        | 14 | 50                | 16   | 207 | 8    | 32 | 8    | 112 | 3.11               | PHP 1SPZ236TB |
|         |                   | 250                | 4           | 2012           | 254.0      | 14 | 50                | 16   | 222 | 8.0  | 32 | 8.0  | 100 | 4.6                | PHP 1SPZ250TB |
|         |                   | 280                | 4           | 2012           | 284.0      | 14 | 50                | 16   | 252 | 8.0  | 32 | 8.0  | 100 | 5.5                | PHP 1SPZ280TB |
|         |                   | 315                | 4           | 2012           | 319.0      | 14 | 50                | 16   | 287 | 8.0  | 32 | 8.0  | 100 | 6.7                | PHP 1SPZ315TB |
|         |                   | 335                | 4           | 2012           | 339        | 14 | 50                | 16   | 306 | 8    | 32 | 8    | 112 | 4.55               | PHP 1SPZ335TB |
|         |                   | 355                | 4           | 2012           | 359.0      | 14 | 50                | 16   | 326 | 8.0  | 32 | 8.0  | 112 | 6.8                | PHP 1SPZ355TB |
|         |                   | 400                | 4           | 2012           | 404.0      | 14 | 50                | 16   | 371 | 8.0  | 32 | 8.0  | 112 | 6.9                | PHP 1SPZ400TB |
|         |                   | 450                | 4           | 2517           | 454.0      | 16 | 60                | 16   | 421 | 14.5 | 45 | 14.5 | 120 | 7.2                | PHP 1SPZ450TB |
|         |                   | 500                | 4           | 2517           | 504        | 16 | 60                | 16   | 471 | 14.5 | 45 | 14.5 | 124 | 8.5                | PHP 1SPZ500TB |
| SPZ     | 2                 | 50                 | 9           | 1008           | 54.0       | 9  | 25                | 49   | 28  | 25.0 | 22 | –    | –   | 0.4                | PHP 2SPZ50TB  |
|         |                   | 56                 | 9           | 1008           | 60.0       | 9  | 25                | 49   | 35  | 27.0 | 22 | –    | –   | 0.5                | PHP 2SPZ56TB  |
|         |                   | 60                 | 9           | 1108           | 64.0       | 9  | 25                | 49   | 36  | 27.0 | 22 | –    | –   | 0.7                | PHP 2SPZ60TB  |
|         |                   | 63                 | 6           | 1108           | 67.0       | 9  | 28                | 28   | 40  | 6.0  | 22 | –    | –   | 0.3                | PHP 2SPZ63TB  |
|         |                   | 67                 | 6           | 1108           | 71.0       | 9  | 28                | 28   | 42  | 6.0  | 22 | –    | –   | 0.4                | PHP 2SPZ67TB  |
|         |                   | 71                 | 6           | 1108           | 75.0       | 9  | 28                | 28   | 42  | 6.0  | 22 | –    | –   | 0.5                | PHP 2SPZ71TB  |
|         |                   | 75                 | 6           | 1210           | 79.0       | 11 | 32                | 28   | 51  | 3.0  | 25 | –    | –   | 0.5                | PHP 2SPZ75TB  |
|         |                   | 80                 | 6           | 1210           | 84.0       | 11 | 32                | 28   | 51  | 3.0  | 25 | –    | –   | 0.6                | PHP 2SPZ80TB  |
|         |                   | 85                 | 6           | 1610           | 89.0       | 14 | 42                | 28   | 60  | 3.0  | 25 | –    | –   | 0.6                | PHP 2SPZ85TB  |
|         |                   | 90                 | 6           | 1610           | 94.0       | 14 | 42                | 28   | 61  | 3.0  | 25 | –    | –   | 0.7                | PHP 2SPZ90TB  |
|         |                   | 95                 | 6           | 1610           | 99.0       | 14 | 42                | 28   | 66  | 3.0  | 25 | –    | –   | 0.8                | PHP 2SPZ95TB  |
|         |                   | 100                | 6           | 1610           | 104.0      | 14 | 42                | 28   | 71  | 3.0  | 25 | –    | –   | 0.9                | PHP 2SPZ100TB |
|         |                   | 106                | 6           | 1610           | 110.0      | 14 | 42                | 28   | 76  | 3.0  | 25 | –    | –   | 1.1                | PHP 2SPZ106TB |
|         |                   | 112                | 6           | 1610           | 116.0      | 14 | 42                | 28   | 84  | 3.0  | 25 | –    | –   | 1.3                | PHP 2SPZ112TB |
|         |                   | 118                | 6           | 1610           | 122.0      | 14 | 42                | 28   | 90  | 3.0  | 25 | –    | –   | 1.5                | PHP 2SPZ118TB |
|         |                   | 125                | 6           | 1610           | 129.0      | 14 | 42                | 28   | 97  | 3.0  | 25 | –    | –   | 1.7                | PHP 2SPZ125TB |
|         |                   | 132                | 6           | 1610           | 136.0      | 14 | 42                | 28   | 104 | 3.0  | 25 | –    | –   | 2.0                | PHP 2SPZ132TB |
|         |                   | 140                | 6           | 1610           | 144.0      | 14 | 42                | 28   | 112 | 3.0  | 25 | –    | –   | 2.4                | PHP 2SPZ140TB |
|         |                   | 150                | 1           | 2012           | 154.0      | 14 | 50                | 28   | –   | –    | 32 | 4.0  | 100 | 2.6                | PHP 2SPZ150TB |
|         |                   | 160                | 1           | 2012           | 164.0      | 14 | 50                | 28   | –   | –    | 32 | 4.0  | 100 | 3.1                | PHP 2SPZ160TB |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

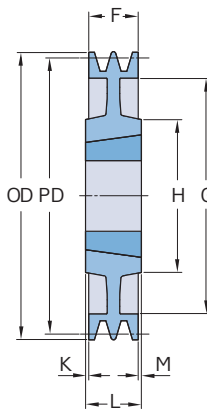
Wedge belt pulleys  
SPZ taper bushed



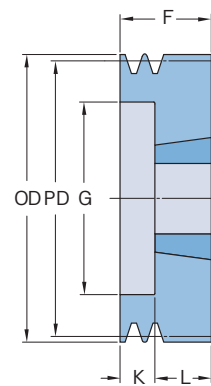
Type 6



Type 7



Type 8

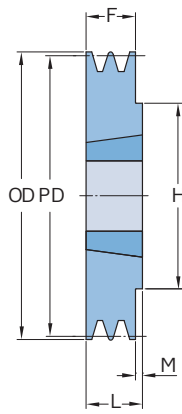


Type 9

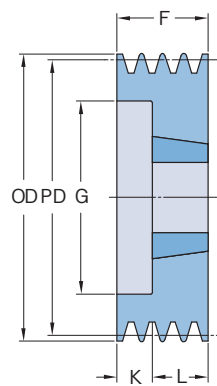
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        | Max. | F  | G   | K    | L  | M    | H   | Mass <sup>1)</sup> | Designation   |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|------|----|-----|------|----|------|-----|--------------------|---------------|
|         |                   | mm                 |             |                | Outer diameter OD | B Min. |      |    |     |      |    |      |     |                    |               |
| –       | –                 | mm                 | –           | –              | mm                |        |      |    |     |      |    |      |     | kg                 | –             |
| SPZ     | 2                 | 170                | 1           | 2012           | 174.0             | 14     | 50   | 28 | –   | –    | 32 | 4.0  | 100 | 2.8                | PHP 2SPZ170TB |
|         |                   | 180                | 8           | 2012           | 184.0             | 14     | 50   | 28 | 152 | –    | 32 | 4.0  | 100 | 2.9                | PHP 2SPZ180TB |
|         |                   | 190                | 8           | 2012           | 194.0             | 14     | 50   | 28 | 161 | –    | 32 | 4.0  | 100 | 3.1                | PHP 2SPZ190TB |
|         |                   | 200                | 4           | 2012           | 204.0             | 14     | 50   | 28 | 171 | –    | 32 | 4.0  | 100 | 3.4                | PHP 2SPZ200TB |
|         |                   | 212                | 4           | 2012           | 216               | 14     | 50   | 28 | 183 | –    | 32 | 4    | 112 | 4.32               | PHP 2SPZ212TB |
|         |                   | 224                | 4           | 2012           | 228.0             | 14     | 50   | 28 | 196 | –    | 32 | 4.0  | 100 | 4.5                | PHP 2SPZ224TB |
|         |                   | 250                | 4           | 2012           | 254.0             | 14     | 50   | 28 | 222 | 2.0  | 32 | 2.0  | 100 | 5.4                | PHP 2SPZ250TB |
|         |                   | 280                | 4           | 2012           | 284.0             | 14     | 50   | 28 | 252 | 2.0  | 32 | 2.0  | 100 | 6.2                | PHP 2SPZ280TB |
|         |                   | 300                | 4           | 2012           | 304               | 14     | 50   | 28 | 271 | 2    | 32 | 2    | 112 | 5.37               | PHP 2SPZ300TB |
|         |                   | 315                | 4           | 2012           | 319.0             | 14     | 50   | 28 | 286 | 2.0  | 32 | 2.0  | 100 | 7.2                | PHP 2SPZ315TB |
|         |                   | 335                | 4           | 2012           | 339               | 14     | 50   | 28 | 306 | 2    | 32 | 2    | 112 | 6.03               | PHP 2SPZ335TB |
|         |                   | 355                | 4           | 2012           | 359.0             | 14     | 50   | 28 | 326 | 2.0  | 32 | 2.0  | 112 | 8.6                | PHP 2SPZ355TB |
|         |                   | 375                | 4           | 2012           | 379               | 14     | 50   | 28 | 346 | 2    | 32 | 2    | 112 | 7.08               | PHP 2SPZ375TB |
|         |                   | 400                | 4           | 2517           | 404.0             | 16     | 60   | 28 | 371 | 8.5  | 45 | 8.5  | 120 | 9.9                | PHP 2SPZ400TB |
|         |                   | 450                | 4           | 2517           | 454.0             | 16     | 60   | 28 | 421 | 8.5  | 45 | 8.5  | 120 | 11.2               | PHP 2SPZ450TB |
|         |                   | 500                | 4           | 2517           | 504               | 16     | 60   | 28 | 471 | 8.5  | 45 | 8.5  | 125 | 10.25              | PHP 2SPZ500TB |
|         |                   | 630                | 4           | 3020           | 634               | 25     | 75   | 28 | 601 | 11.5 | 51 | 11.5 | 146 | 15.6               | PHP 2SPZ630TB |
| SPZ     | 3                 | 63                 | 6           | 1108           | 67.0              | 9      | 28   | 40 | 40  | 18.0 | 22 | –    | –   | 0.4                | PHP 3SPZ63TB  |
|         |                   | 67                 | 6           | 1108           | 71.0              | 9      | 28   | 40 | 42  | 18.0 | 22 | –    | –   | 0.5                | PHP 3SPZ67TB  |
|         |                   | 71                 | 6           | 1108           | 75.0              | 9      | 28   | 40 | 42  | 18.0 | 22 | –    | –   | 0.6                | PHP 3SPZ71TB  |
|         |                   | 75                 | 6           | 1210           | 79.0              | 11     | 32   | 40 | 48  | 15.0 | 25 | –    | –   | 0.7                | PHP 3SPZ75TB  |
|         |                   | 80                 | 6           | 1210           | 84.0              | 11     | 32   | 40 | 51  | 15.0 | 25 | –    | –   | 0.7                | PHP 3SPZ80TB  |
|         |                   | 85                 | 6           | 1610           | 89.0              | 14     | 42   | 40 | 60  | 15.0 | 25 | –    | –   | 0.8                | PHP 3SPZ85TB  |
|         |                   | 90                 | 6           | 1610           | 94.0              | 14     | 42   | 40 | 61  | 15.0 | 25 | –    | –   | 0.9                | PHP 3SPZ90TB  |
|         |                   | 95                 | 6           | 1610           | 99.0              | 14     | 42   | 40 | 66  | 15.0 | 25 | –    | –   | 1.0                | PHP 3SPZ95TB  |
|         |                   | 100                | 6           | 1610           | 104.0             | 14     | 42   | 40 | 71  | 15.0 | 25 | –    | –   | 1.1                | PHP 3SPZ100TB |
|         |                   | 106                | 6           | 1610           | 110.0             | 14     | 42   | 40 | 78  | 15.0 | 25 | –    | –   | 1.4                | PHP 3SPZ106TB |
|         |                   | 112                | 6           | 2012           | 116.0             | 14     | 50   | 40 | 84  | 8.0  | 32 | –    | –   | 1.4                | PHP 3SPZ112TB |
|         |                   | 118                | 6           | 2012           | 122.0             | 14     | 50   | 40 | 92  | 8.0  | 32 | –    | –   | 1.7                | PHP 3SPZ118TB |
|         |                   | 125                | 2           | 2012           | 129.0             | 14     | 50   | 40 | 97  | –    | 32 | 8.0  | –   | 2.0                | PHP 3SPZ125TB |
|         |                   | 132                | 2           | 2012           | 136.0             | 14     | 50   | 40 | 104 | –    | 32 | 8.0  | –   | 2.3                | PHP 3SPZ132TB |
|         |                   | 140                | 2           | 2012           | 144.0             | 14     | 50   | 40 | 112 | –    | 32 | 8.0  | –   | 2.7                | PHP 3SPZ140TB |
|         |                   | 150                | 2           | 2012           | 154.0             | 14     | 50   | 40 | 122 | –    | 32 | 8.0  | –   | 3.3                | PHP 3SPZ150TB |
|         |                   | 160                | 2           | 2012           | 164.0             | 14     | 50   | 40 | 132 | –    | 32 | 8.0  | –   | 3.9                | PHP 3SPZ160TB |
|         |                   | 170                | 3           | 2012           | 174.0             | 14     | 50   | 40 | 141 | 4.0  | 32 | 4.0  | –   | 3.2                | PHP 3SPZ170TB |
|         |                   | 180                | 7           | 2012           | 184.0             | 14     | 50   | 40 | 152 | –    | 32 | 8.0  | 100 | 3.4                | PHP 3SPZ180TB |
|         |                   | 190                | 7           | 2012           | 194.0             | 14     | 50   | 40 | 161 | 4.0  | 32 | 4.0  | 100 | 3.4                | PHP 3SPZ190TB |
|         |                   | 200                | 5           | 2012           | 204.0             | 14     | 50   | 40 | 172 | 4.0  | 32 | 4.0  | 100 | 3.9                | PHP 3SPZ200TB |
|         |                   | 212                | 5           | 2012           | 216               | 14     | 50   | 40 | 183 | 4    | 32 | 4    | 112 | 4.3                | PHP 3SPZ212TB |
|         |                   | 224                | 5           | 2012           | 228.0             | 14     | 50   | 40 | 196 | 4.0  | 32 | 4.0  | 100 | 5.4                | PHP 3SPZ224TB |
|         |                   | 236                | 5           | 2012           | 240               | 14     | 50   | 40 | 207 | 4    | 32 | 4    | 112 | 5                  | PHP 3SPZ236TB |
|         |                   | 250                | 5           | 2012           | 254.0             | 14     | 50   | 40 | 222 | 4.0  | 32 | 4.0  | 100 | 6.4                | PHP 3SPZ250TB |
|         |                   | 265                | 4           | 2517           | 269               | 16     | 60   | 40 | 236 | 2.5  | 45 | 2.5  | 124 | 6.1                | PHP 3SPZ265TB |
|         |                   | 280                | 4           | 2517           | 284.0             | 16     | 60   | 40 | 252 | 2.5  | 45 | 2.5  | 120 | 8.3                | PHP 3SPZ280TB |
|         |                   | 315                | 4           | 2517           | 319.0             | 16     | 60   | 40 | 287 | 2.5  | 45 | 2.5  | 120 | 10.1               | PHP 3SPZ315TB |
|         |                   | 335                | 4           | 2517           | 339               | 16     | 60   | 40 | 306 | 2.5  | 45 | 2.5  | 124 | 7.99               | PHP 3SPZ335TB |
|         |                   | 355                | 4           | 2517           | 359.0             | 16     | 60   | 40 | 326 | 2.5  | 45 | 2.5  | 120 | 11.7               | PHP 3SPZ355TB |
|         |                   | 400                | 4           | 2517           | 404.0             | 16     | 60   | 40 | 371 | 2.5  | 45 | 2.5  | 120 | 13.3               | PHP 3SPZ400TB |
|         |                   | 450                | 4           | 2517           | 454.0             | 16     | 60   | 40 | 421 | 2.5  | 45 | 2.5  | 120 | 14.6               | PHP 3SPZ450TB |
|         |                   | 500                | 4           | 2517           | 504.0             | 16     | 60   | 40 | 471 | 2.5  | 45 | 2.5  | 120 | 15.8               | PHP 3SPZ500TB |
|         |                   | 560                | 4           | 2517           | 564               | 16     | 60   | 40 | 531 | 2.5  | 45 | 2.5  | 124 | 15.7               | PHP 3SPZ560TB |
|         |                   | 630                | 4           | 3020           | 634.0             | 25     | 75   | 40 | 601 | 5.5  | 45 | 2.5  | 120 | 17.0               | PHP 3SPZ630TB |
|         |                   | 800                | 4           | 3020           | 804.0             | 25     | 75   | 40 | 771 | 5.5  | 51 | 2.5  | 150 | 33.0               | PHP 3SPZ800TB |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

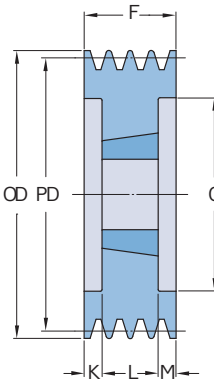
Wedge belt pulleys  
SPZ taper bushed



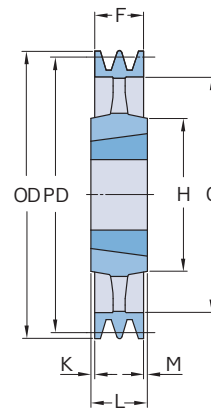
Type 1



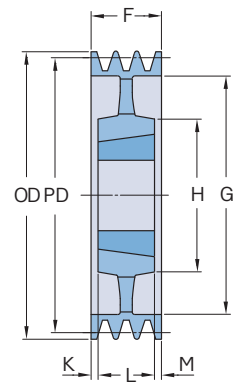
Type 2



Type 3



Type 4

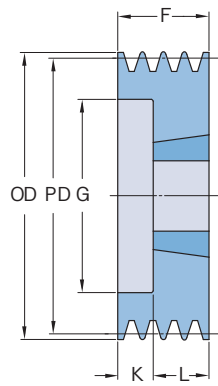


Type 5

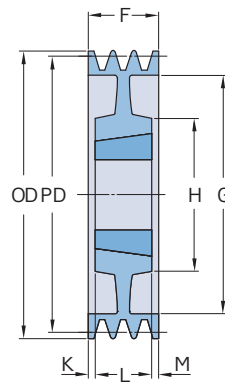
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |    | Outer diameter OD |      | F   | G    | K  | L    | M   | H    | Mass <sup>1)</sup> | Designation |
|---------|-------------------|--------------------|-------------|----------------|------------|----|-------------------|------|-----|------|----|------|-----|------|--------------------|-------------|
|         |                   | mm                 |             |                | mm         |    | Min.              | Max. |     |      |    |      |     |      | kg                 |             |
| SPZ     | 4                 | 63                 | 6           | 1108           | 67.0       | 9  | 28                | 52   | 38  | 30.0 | 22 | —    | —   | 0.5  | PHP 4SPZ63TB       |             |
|         |                   | 67                 | 6           | 1108           | 71.0       | 9  | 28                | 52   | 41  | 30.0 | 22 | —    | —   | 0.6  | PHP 4SPZ67TB       |             |
|         |                   | 71                 | 6           | 1108           | 75.0       | 9  | 28                | 52   | 45  | 30.0 | 22 | —    | —   | 0.7  | PHP 4SPZ71TB       |             |
|         |                   | 75                 | 6           | 1210           | 79.0       | 11 | 32                | 52   | 46  | 27.0 | 25 | —    | —   | 0.8  | PHP 4SPZ75TB       |             |
|         |                   | 80                 | 6           | 1210           | 84.0       | 11 | 32                | 52   | 51  | 27.0 | 25 | —    | —   | 0.9  | PHP 4SPZ80TB       |             |
|         |                   | 85                 | 6           | 1610           | 89.0       | 14 | 42                | 52   | 60  | 27.0 | 25 | —    | —   | 1.0  | PHP 4SPZ85TB       |             |
|         |                   | 90                 | 6           | 1610           | 94.0       | 14 | 42                | 52   | 61  | 27.0 | 25 | —    | —   | 1.1  | PHP 4SPZ90TB       |             |
|         |                   | 95                 | 6           | 1610           | 99.0       | 14 | 42                | 52   | 66  | 27.0 | 25 | —    | —   | 1.3  | PHP 4SPZ95TB       |             |
|         |                   | 100                | 6           | 1610           | 104.0      | 14 | 42                | 52   | 72  | 27.0 | 25 | —    | —   | 1.4  | PHP 4SPZ100TB      |             |
|         |                   | 106                | 6           | 1610           | 110.0      | 14 | 42                | 52   | 80  | 27.0 | 25 | —    | —   | 1.6  | PHP 4SPZ106TB      |             |
|         |                   | 112                | 6           | 2012           | 116.0      | 14 | 50                | 52   | 86  | 20.0 | 32 | —    | —   | 1.7  | PHP 4SPZ112TB      |             |
|         |                   | 118                | 6           | 2012           | 122.0      | 14 | 50                | 52   | 92  | 20.0 | 32 | —    | —   | 2.0  | PHP 4SPZ118TB      |             |
|         |                   | 125                | 2           | 2012           | 129.0      | 14 | 50                | 52   | 99  | —    | 32 | 20.0 | —   | 2.3  | PHP 4SPZ125TB      |             |
|         |                   | 132                | 2           | 2012           | 136.0      | 14 | 50                | 52   | 104 | —    | 32 | 20.0 | —   | 2.6  | PHP 4SPZ132TB      |             |
|         |                   | 140                | 2           | 2012           | 144.0      | 14 | 50                | 52   | 112 | —    | 32 | 20.0 | —   | 3.1  | PHP 4SPZ140TB      |             |
|         |                   | 150                | 2           | 2517           | 154.0      | 16 | 60                | 52   | 122 | —    | 45 | 7.0  | —   | 3.8  | PHP 4SPZ150TB      |             |
|         |                   | 160                | 2           | 2517           | 164.0      | 16 | 60                | 52   | 132 | —    | 45 | 7.0  | —   | 4.6  | PHP 4SPZ160TB      |             |
|         |                   | 170                | 2           | 2517           | 174.0      | 16 | 65                | 52   | 141 | —    | 45 | 7.0  | —   | 5.5  | PHP 4SPZ170TB      |             |
|         |                   | 180                | 2           | 2517           | 184.0      | 16 | 60                | 52   | 152 | —    | 45 | 7.0  | —   | 6.3  | PHP 4SPZ180TB      |             |
|         |                   | 190                | 3           | 2517           | 194.0      | 16 | 65                | 52   | 161 | 3.5  | 45 | 3.5  | —   | 5.3  | PHP 4SPZ190TB      |             |
|         |                   | 200                | 7           | 2517           | 204.0      | 16 | 60                | 52   | 172 | 3.5  | 45 | 3.5  | 120 | 5.4  | PHP 4SPZ200TB      |             |
|         |                   | 212                | 5           | 2517           | 216        | 16 | 60                | 52   | 183 | 3.5  | 45 | 3.5  | 124 | 5.95 | PHP 4SPZ212TB      |             |
|         |                   | 224                | 5           | 2517           | 228.0      | 16 | 60                | 52   | 196 | 3.5  | 45 | 3.5  | 120 | 7.0  | PHP 4SPZ224TB      |             |
|         |                   | 236                | 5           | 2517           | 240        | 16 | 60                | 52   | 207 | 3.5  | 45 | 3.5  | 124 | 7.29 | PHP 4SPZ236TB      |             |
|         |                   | 250                | 5           | 2517           | 254.0      | 16 | 60                | 52   | 222 | 3.5  | 45 | 3.5  | 120 | 8.0  | PHP 4SPZ250TB      |             |
|         |                   | 265                | 5           | 2517           | 269        | 16 | 60                | 52   | 236 | 3.5  | 45 | 3.5  | 124 | 8.71 | PHP 4SPZ265TB      |             |
|         |                   | 280                | 5           | 2517           | 284.0      | 16 | 60                | 52   | 252 | 3.5  | 45 | 3.5  | 120 | 9.5  | PHP 4SPZ280TB      |             |
|         |                   | 315                | 5           | 2517           | 319.0      | 16 | 60                | 52   | 287 | 3.5  | 45 | 3.5  | 120 | 12.1 | PHP 4SPZ315TB      |             |
|         |                   | 335                | 5           | 2517           | 339        | 16 | 60                | 52   | 306 | 3.5  | 45 | 3.5  | 124 | 9.57 | PHP 4SPZ335TB      |             |
|         |                   | 355                | 5           | 2517           | 359.0      | 16 | 60                | 52   | 326 | 3.5  | 45 | 3.5  | 120 | 12.8 | PHP 4SPZ355TB      |             |
|         |                   | 400                | 5           | 2517           | 404.0      | 16 | 60                | 52   | 371 | 3.5  | 45 | 3.5  | 120 | 13.6 | PHP 4SPZ400TB      |             |
|         |                   | 450                | 5           | 3020           | 454.0      | 25 | 75                | 52   | 421 | 0.5  | 51 | 0.5  | 150 | 14.5 | PHP 4SPZ450TB      |             |
|         |                   | 500                | 5           | 3020           | 504.0      | 25 | 75                | 52   | 471 | 0.5  | 51 | 0.5  | 150 | 17.3 | PHP 4SPZ500TB      |             |
|         |                   | 630                | 4           | 3030           | 634.0      | 35 | 75                | 52   | 601 | 12.0 | 76 | 12.0 | 150 | 23.0 | PHP 4SPZ630TB      |             |
|         |                   | 800                | 4           | 3030           | 804.0      | 35 | 75                | 52   | 771 | 12.0 | 76 | 12.0 | 150 | 36.0 | PHP 4SPZ800TB      |             |
| SPZ     | 5                 | 75                 | 8           | 1210           | 79         | 11 | 32                | 64   | 46  | 39   | 25 | —    | —   | 0.91 | PHP 5SPZ75TB       |             |
|         |                   | 85                 | 6           | 1610           | 89.0       | 14 | 42                | 64   | 60  | 39.0 | 25 | —    | —   | 1.3  | PHP 5SPZ85TB       |             |
|         |                   | 90                 | 6           | 1610           | 94.0       | 14 | 42                | 64   | 61  | 39.0 | 25 | —    | —   | 1.3  | PHP 5SPZ90TB       |             |
|         |                   | 95                 | 6           | 1610           | 99.0       | 14 | 42                | 64   | 66  | 39.0 | 25 | —    | —   | 1.5  | PHP 5SPZ95TB       |             |
|         |                   | 100                | 6           | 2012           | 104.0      | 14 | 50                | 64   | 72  | 32.0 | 32 | —    | —   | 1.6  | PHP 5SPZ100TB      |             |
|         |                   | 106                | 6           | 2012           | 110.0      | 14 | 50                | 64   | 78  | 32.0 | 32 | —    | —   | 1.8  | PHP 5SPZ106TB      |             |
|         |                   | 112                | 6           | 2012           | 116.0      | 14 | 50                | 64   | 84  | 32.0 | 32 | —    | —   | 2.0  | PHP 5SPZ112TB      |             |
|         |                   | 118                | 6           | 2012           | 122.0      | 14 | 50                | 64   | 90  | 32.0 | 32 | —    | —   | 2.3  | PHP 5SPZ118TB      |             |
|         |                   | 125                | 6           | 2012           | 129.0      | 14 | 50                | 64   | 97  | 32.0 | 32 | —    | —   | 2.7  | PHP 5SPZ125TB      |             |
|         |                   | 132                | 6           | 2517           | 136.0      | 16 | 60                | 64   | 104 | 19.0 | 45 | —    | —   | 2.8  | PHP 5SPZ132TB      |             |
|         |                   | 140                | 2           | 2517           | 144.0      | 16 | 60                | 64   | 112 | —    | 45 | 19.0 | —   | 3.4  | PHP 5SPZ140TB      |             |
|         |                   | 150                | 2           | 2517           | 154.0      | 16 | 60                | 64   | 122 | —    | 45 | 19.0 | —   | 4.3  | PHP 5SPZ150TB      |             |
|         |                   | 160                | 2           | 2517           | 164.0      | 16 | 60                | 64   | 132 | —    | 45 | 19.0 | —   | 5.1  | PHP 5SPZ160TB      |             |
|         |                   | 170                | 2           | 2517           | 174.0      | 16 | 60                | 64   | 141 | —    | 45 | 19.0 | —   | 5.7  | PHP 5SPZ170TB      |             |
|         |                   | 180                | 2           | 2517           | 184.0      | 16 | 60                | 64   | 152 | —    | 45 | 19.0 | —   | 6.8  | PHP 5SPZ180TB      |             |
|         |                   | 190                | 3           | 2517           | 194.0      | 16 | 60                | 64   | 161 | 9.5  | 45 | 9.5  | —   | 7.8  | PHP 5SPZ190TB      |             |
|         |                   | 200                | 5           | 2517           | 204.0      | 16 | 60                | 64   | 172 | 9.5  | 45 | 9.5  | —   | 8.8  | PHP 5SPZ200TB      |             |
|         |                   | 212                | 6           | 2517           | 216        | 16 | 60                | 64   | 183 | 9.5  | 45 | 9.5  | 124 | 7.04 | PHP 5SPZ212TB      |             |
|         |                   | 224                | 5           | 2517           | 228.0      | 16 | 60                | 64   | 196 | 9.5  | 45 | 9.5  | 120 | 8.8  | PHP 5SPZ224TB      |             |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

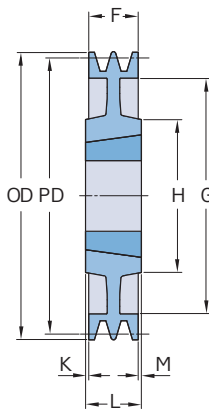
Wedge belt pulleys  
SPZ taper bushed



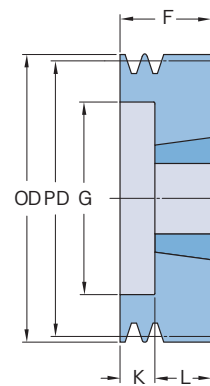
Type 6



Type 7



Type 8



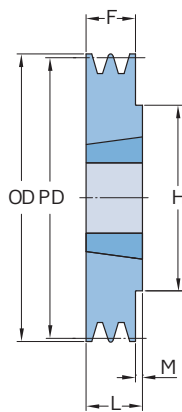
Type 9

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        | Max. | F   | G   | K    | L  | M    | H   | Mass <sup>1)</sup> | Designation   |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|------|-----|-----|------|----|------|-----|--------------------|---------------|
|         |                   | mm                 |             |                | Outer diameter OD | B Min. |      |     |     |      |    |      |     |                    |               |
| –       | –                 | mm                 | –           | –              | mm                |        |      |     |     |      |    |      |     | kg                 | –             |
| SPZ     | 5                 | 236                | 5           | 2517           | 240               | 16     | 60   | 64  | 207 | 9.5  | 45 | 9.5  | 124 | 8.21               | PHP 5SPZ236TB |
|         |                   | 250                | 5           | 2517           | 254.0             | 16     | 60   | 64  | 222 | 9.5  | 45 | 9.5  | 120 | 9.0                | PHP 5SPZ250TB |
|         |                   | 265                | 5           | 2517           | 269               | 16     | 60   | 64  | 236 | 9.5  | 45 | 9.5  | 124 | 8.6                | PHP 5SPZ265TB |
|         |                   | 280                | 5           | 2517           | 284.0             | 16     | 60   | 64  | 252 | 9.5  | 45 | 9.5  | 120 | 11.0               | PHP 5SPZ280TB |
|         |                   | 315                | 5           | 2517           | 319.0             | 16     | 60   | 64  | 287 | 9.5  | 45 | 9.5  | 120 | 13.3               | PHP 5SPZ315TB |
|         |                   | 335                | 5           | 2517           | 339               | 16     | 60   | 64  | 306 | 9.5  | 45 | 9.5  | 124 | 11.8               | PHP 5SPZ335TB |
|         |                   | 355                | 5           | 2517           | 359.0             | 16     | 60   | 64  | 326 | 9.5  | 45 | 9.5  | 120 | 13.0               | PHP 5SPZ355TB |
|         |                   | 380                | 5           | 3020           | 384               | 25     | 75   | 64  | 351 | 6.5  | 51 | 6.5  | 146 | 13.8               | PHP 5SPZ380TB |
|         |                   | 400                | 5           | 3020           | 404.0             | 25     | 75   | 64  | 371 | 6.5  | 51 | 6.5  | 150 | 15.6               | PHP 5SPZ400TB |
|         |                   | 450                | 5           | 3020           | 454.0             | 25     | 75   | 64  | 421 | 6.5  | 51 | 6.5  | 150 | 19.0               | PHP 5SPZ450TB |
|         |                   | 500                | 4           | 3030           | 504.0             | 35     | 75   | 64  | 471 | 6.0  | 51 | 6.0  | 150 | 22.6               | PHP 5SPZ500TB |
|         |                   | 630                | 4           | 3030           | 634.0             | 35     | 75   | 64  | 601 | 6.0  | 51 | 6.0  | 150 | 29.0               | PHP 5SPZ630TB |
|         |                   | 710                | 4           | 3535           | 714               | 35     | 90   | 64  | 681 | 12.5 | 89 | 12.5 | 175 | 30.6               | PHP 5SPZ710TB |
|         |                   | 800                | 4           | 3535           | 804.0             | 35     | 90   | 64  | 771 | 12.5 | 89 | 12.5 | 170 | 44.1               | PHP 5SPZ800TB |
|         | 6                 | 85                 | 6           | 1610           | 89.0              | 14     | 42   | 76  | 61  | 51.0 | 25 | –    | –   | 1.3                | PHP 6SPZ85TB  |
|         |                   | 90                 | 6           | 1610           | 94.0              | 14     | 42   | 76  | 61  | 51.0 | 25 | –    | –   | 1.5                | PHP 6SPZ90TB  |
|         |                   | 95                 | 6           | 1610           | 99.0              | 14     | 42   | 76  | 66  | 51.0 | 25 | –    | –   | 1.7                | PHP 6SPZ95TB  |
|         |                   | 100                | 6           | 2012           | 104.0             | 14     | 50   | 76  | 72  | 44.0 | 32 | –    | –   | 1.9                | PHP 6SPZ100TB |
|         |                   | 106                | 6           | 2012           | 110.0             | 14     | 50   | 76  | 78  | 44.0 | 32 | –    | –   | 2.0                | PHP 6SPZ106TB |
|         |                   | 112                | 6           | 2012           | 116.0             | 14     | 50   | 76  | 84  | 44.0 | 32 | –    | –   | 2.3                | PHP 6SPZ112TB |
|         |                   | 118                | 6           | 2517           | 122.0             | 16     | 60   | 76  | 90  | 31.0 | 45 | –    | –   | 2.3                | PHP 6SPZ118TB |
|         |                   | 125                | 6           | 2517           | 129.0             | 16     | 60   | 76  | 97  | 31.0 | 45 | –    | –   | 2.7                | PHP 6SPZ125TB |
|         |                   | 132                | 6           | 2517           | 136.0             | 16     | 60   | 76  | 104 | 31.0 | 45 | –    | –   | 3.2                | PHP 6SPZ132TB |
|         |                   | 140                | 2           | 2517           | 144.0             | 16     | 60   | 76  | 122 | –    | 45 | 31.0 | –   | 3.8                | PHP 6SPZ140TB |
|         |                   | 150                | 2           | 2517           | 154.0             | 16     | 60   | 76  | 122 | –    | 45 | 31.0 | –   | 4.6                | PHP 6SPZ150TB |
|         |                   | 160                | 2           | 2517           | 164.0             | 16     | 60   | 76  | 132 | –    | 45 | 31.0 | –   | 5.5                | PHP 6SPZ160TB |
|         |                   | 170                | 2           | 2517           | 174.0             | 16     | 65   | 76  | 141 | –    | 45 | 31.0 | –   | 6.5                | PHP 6SPZ170TB |
|         |                   | 180                | 3           | 2517           | 184.0             | 16     | 60   | 76  | 152 | 15.5 | 45 | 15.5 | –   | 7.3                | PHP 6SPZ180TB |
|         |                   | 190                | 3           | 2517           | 194.0             | 16     | 65   | 76  | 161 | 15.5 | 45 | 15.5 | 120 | 8.4                | PHP 6SPZ190TB |
|         |                   | 200                | 3           | 2517           | 204.0             | 16     | 60   | 76  | 172 | 15.5 | 45 | 15.5 | 120 | 9.4                | PHP 6SPZ200TB |
|         |                   | 212                | 6           | 2517           | 216               | 16     | 60   | 76  | 183 | 15.5 | 45 | 15.5 | 124 | 7.48               | PHP 6SPZ212TB |
|         |                   | 224                | 5           | 2517           | 228.0             | 16     | 60   | 76  | 196 | 15.5 | 45 | 15.5 | 120 | 9.7                | PHP 6SPZ224TB |
|         |                   | 236                | 5           | 2517           | 240               | 16     | 60   | 76  | 207 | 15.5 | 45 | 15.5 | 124 | 8.72               | PHP 6SPZ236TB |
|         |                   | 250                | 5           | 2517           | 254.0             | 16     | 60   | 76  | 222 | 15.5 | 45 | 15.5 | 120 | 11.8               | PHP 6SPZ250TB |
|         |                   | 280                | 5           | 2517           | 284.0             | 16     | 60   | 76  | 252 | 15.5 | 45 | 15.5 | 120 | 12.8               | PHP 6SPZ280TB |
|         |                   | 315                | 5           | 2517           | 319.0             | 16     | 60   | 76  | 287 | 15.5 | 45 | 15.5 | 120 | 13.8               | PHP 6SPZ315TB |
| SPZ     | 8                 | 355                | 5           | 2517           | 359.0             | 16     | 60   | 76  | 326 | 15.5 | 45 | 15.5 | 125 | 15.0               | PHP 6SPZ355TB |
|         |                   | 400                | 5           | 3020           | 404.0             | 25     | 75   | 76  | 371 | –    | 76 | –    | 150 | 18.3               | PHP 6SPZ400TB |
|         |                   | 450                | 5           | 3020           | 454.0             | 25     | 75   | 76  | 421 | –    | 76 | –    | 150 | 21.5               | PHP 6SPZ450TB |
|         |                   | 500                | 5           | 3020           | 504.0             | 25     | 75   | 76  | 471 | –    | 76 | –    | 150 | 24.6               | PHP 6SPZ500TB |
|         |                   | 630                | 4           | 3535           | 634.0             | 35     | 90   | 76  | 601 | 6.5  | 89 | 6.5  | 170 | 35.0               | PHP 6SPZ630TB |
|         |                   | 800                | 4           | 3535           | 804.0             | 35     | 90   | 76  | 771 | 6.5  | 89 | 6.5  | 170 | 57.9               | PHP 6SPZ800TB |
|         |                   | 140                | 3           | 2517           | 144.0             | 16     | 60   | 100 | 112 | 27.5 | 45 | 27.5 | –   | 4.0                | PHP 8SPZ140TB |
|         |                   | 150                | 3           | 2517           | 154.0             | 16     | 60   | 100 | 122 | 27.5 | 45 | 27.5 | –   | 5.1                | PHP 8SPZ150TB |
|         |                   | 160                | 3           | 2517           | 164.0             | 16     | 60   | 100 | 132 | 27.5 | 45 | 27.5 | –   | 5.6                | PHP 8SPZ160TB |
|         |                   | 170                | 3           | 2517           | 174               | 16     | 60   | 100 | 141 | 27.5 | 45 | 27.5 | –   | 7.1                | PHP 8SPZ170TB |
|         |                   | 180                | 3           | 2517           | 184.0             | 16     | 60   | 100 | 152 | 27.5 | 45 | 27.5 | –   | 7.1                | PHP 8SPZ180TB |
|         |                   | 190                | 3           | 3020           | 194               | 25     | 75   | 100 | 151 | 27.5 | 45 | 27.5 | –   | 8.92               | PHP 8SPZ190TB |
|         |                   | 200                | 3           | 3020           | 204.0             | 25     | 75   | 100 | 171 | 24.5 | 51 | 24.5 | –   | 9.3                | PHP 8SPZ200TB |
|         |                   | 224                | 3           | 3020           | 228.0             | 25     | 75   | 100 | 195 | 24.5 | 51 | 24.5 | –   | 11.8               | PHP 8SPZ224TB |
|         |                   | 250                | 5           | 3020           | 254.0             | 25     | 75   | 100 | 221 | 24.5 | 51 | 24.5 | 150 | 10.5               | PHP 8SPZ250TB |
|         |                   | 280                | 5           | 3020           | 284.0             | 25     | 75   | 100 | 252 | 24.5 | 51 | 24.5 | 150 | 10.8               | PHP 8SPZ280TB |
|         |                   | 315                | 5           | 3020           | 319               | 25     | 75   | 100 | 286 | 24.5 | 51 | 24.5 | 146 | 13.45              | PHP 8SPZ315TB |

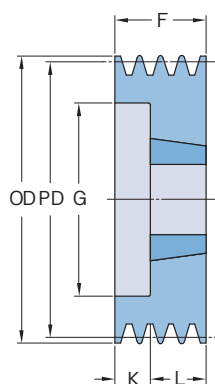
<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

# Wedge belt pulleys

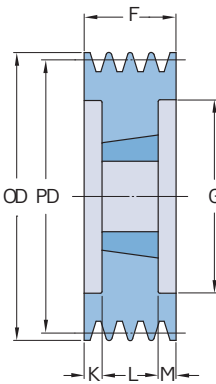
SPZ taper bushed | SPA taper bushed



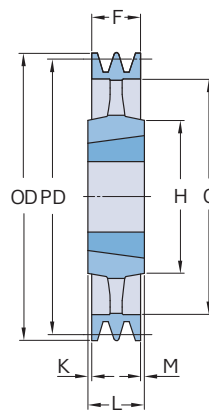
Type 1



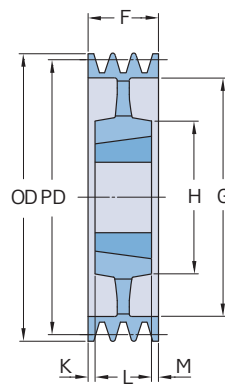
Type 2



Type 3



Type 4

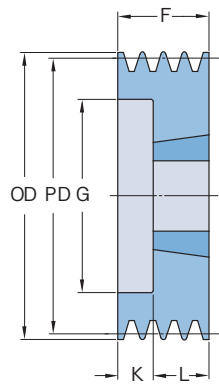


Type 5

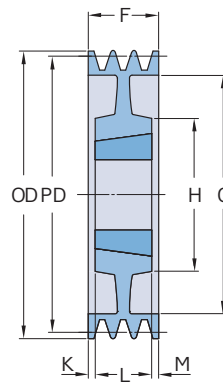
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |      | Outer diameter OD |     | B   |      | F  |      | G   |       | K |  | L |  | M |  | H |  | Mass <sup>1)</sup> | Designation   |               |
|---------|-------------------|--------------------|-------------|----------------|------------|------|-------------------|-----|-----|------|----|------|-----|-------|---|--|---|--|---|--|---|--|--------------------|---------------|---------------|
|         |                   | mm                 |             |                | mm         | Min. | Max.              |     |     |      |    |      |     |       |   |  |   |  |   |  |   |  | kg                 |               |               |
| SPZ     | 8                 | 355                | 5           | 3030           | 359.0      | 35   | 75                | 100 | 326 | 12.0 | 76 | 12.0 | 150 | 16.0  |   |  |   |  |   |  |   |  |                    | PHP 8SPZ355TB |               |
|         |                   | 400                | 5           | 3030           | 404.0      | 35   | 75                | 100 | 371 | 12.0 | 76 | 12.0 | 150 | 18.2  |   |  |   |  |   |  |   |  |                    | PHP 8SPZ400TB |               |
|         |                   | 450                | 5           | 3535           | 454.0      | 35   | 90                | 100 | 421 | 5.5  | 89 | 5.5  | 170 | 24.0  |   |  |   |  |   |  |   |  |                    | PHP 8SPZ450TB |               |
|         |                   | 500                | 5           | 3535           | 504        | 35   | 90                | 100 | 471 | 5.5  | 89 | 5.5  | 175 | 30.2  |   |  |   |  |   |  |   |  |                    | PHP 8SPZ500TB |               |
|         |                   | 630                | 5           | 3535           | 634        | 35   | 90                | 100 | 601 | 5.5  | 89 | 5.5  | 175 | 41    |   |  |   |  |   |  |   |  |                    | PHP 8SPZ630TB |               |
|         |                   | 800                | 5           | 3535           | 804        | 35   | 90                | 100 | 771 | 5.5  | 89 | 5.5  | 178 | 53    |   |  |   |  |   |  |   |  |                    |               | PHP 8SPZ800TB |
| SPA     | 1                 | 63                 | 1           | 1008           | 68.5       | 9    | 25                | 20  | —   | —    | 22 | 2.0  | 62  | 0.8   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA63TB  |
|         |                   | 67                 | 1           | 1108           | 72.5       | 9    | 28                | 20  | —   | —    | 22 | 2.0  | 62  | 0.5   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA67TB  |
|         |                   | 71                 | 1           | 1108           | 76.5       | 9    | 28                | 20  | —   | —    | 22 | 2.0  | 62  | 0.5   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA71TB  |
|         |                   | 75                 | 1           | 1108           | 80.5       | 9    | 28                | 22  | —   | —    | 22 | 2.0  | 62  | 0.4   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA75TB  |
|         |                   | 80                 | 1           | 1210           | 85.5       | 11   | 32                | 20  | —   | —    | 25 | 5.0  | 75  | 0.5   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA80TB  |
|         |                   | 85                 | 1           | 1210           | 90.5       | 11   | 32                | 20  | —   | —    | 25 | 5.0  | 75  | 0.6   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA85TB  |
|         |                   | 90                 | 1           | 1210           | 95.5       | 11   | 32                | 20  | —   | —    | 25 | 5.0  | 75  | 0.7   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA90TB  |
|         |                   | 95                 | 1           | 1210           | 100.5      | 11   | 32                | 20  | —   | —    | 25 | 5.0  | 75  | 0.9   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA95TB  |
|         |                   | 100                | 1           | 1610           | 105.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 0.8   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA100TB |
|         |                   | 106                | 1           | 1610           | 111.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 0.9   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA106TB |
|         |                   | 112                | 1           | 1610           | 117.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 1.1   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA112TB |
|         |                   | 118                | 1           | 1610           | 123.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 1.2   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA118TB |
|         |                   | 125                | 1           | 1610           | 130.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 1.4   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA125TB |
|         |                   | 132                | 1           | 1610           | 137.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 1.6   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA132TB |
|         |                   | 140                | 1           | 1610           | 145.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 1.8   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA140TB |
|         |                   | 150                | 1           | 1610           | 155.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 2.1   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA150TB |
|         |                   | 160                | 1           | 1610           | 165.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 2.4   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA160TB |
|         |                   | 170                | 1           | 1610           | 175.5      | 14   | 42                | 20  | —   | —    | 25 | 5.0  | 80  | 1.1   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA170TB |
|         |                   | 180                | 4           | 1610           | 185.5      | 14   | 42                | 20  | 145 | —    | 25 | 5.0  | 92  | 2.3   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA180TB |
|         |                   | 190                | 4           | 1610           | 195.5      | 14   | 42                | 20  | 156 | —    | 25 | 5.0  | 92  | 2.7   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA190TB |
|         |                   | 200                | 4           | 2012           | 205.5      | 14   | 50                | 20  | 165 | —    | 32 | 12.0 | 108 | 2.3   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA200TB |
|         |                   | 212                | 4           | 2012           | 217.5      | 14   | 50                | 20  | 177 | —    | 32 | 12.0 | 110 | 3.5   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA212TB |
|         |                   | 224                | 4           | 2012           | 229.5      | 14   | 50                | 20  | 189 | —    | 32 | 12.0 | 112 | 4.0   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA224TB |
|         |                   | 236                | 4           | 2012           | 241        | 14   | 50                | 20  | 202 | —    | 32 | 12   | 112 | 3.62  |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA236TB |
|         |                   | 250                | 4           | 2012           | 255.5      | 14   | 50                | 20  | 215 | 6.0  | 32 | 6.0  | 112 | 4.8   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA250TB |
|         |                   | 265                | 4           | 2012           | 270        | 14   | 50                | 20  | 230 | 6    | 32 | 6    | 112 | 3.73  |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA265TB |
|         |                   | 280                | 4           | 2012           | 285.5      | 14   | 50                | 20  | 245 | —    | 32 | 12.0 | 112 | 6.3   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA280TB |
|         |                   | 300                | 4           | 2012           | 305        | 14   | 50                | 20  | 265 | —    | 32 | 12   | 112 | 4.62  |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA300TB |
|         |                   | 315                | 4           | 2012           | 320.5      | 14   | 50                | 20  | 280 | —    | 32 | 12.0 | 112 | 7.2   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA315TB |
|         |                   | 335                | 4           | 2012           | 340        | 14   | 50                | 20  | 300 | —    | 32 | 12   | 112 | 5.24  |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA335TB |
|         |                   | 355                | 4           | 2012           | 360.5      | 14   | 50                | 20  | 320 | —    | 32 | 12.0 | 112 | 7.6   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA355TB |
|         |                   | 375                | 4           | 2012           | 380        | 14   | 50                | 20  | 340 | —    | 32 | 12   | 112 | 6.18  |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA375TB |
|         |                   | 400                | 4           | 2012           | 405.5      | 14   | 50                | 20  | 365 | —    | 32 | 12.0 | 112 | 7.9   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA400TB |
|         |                   | 425                | 4           | 2012           | 430        | 14   | 50                | 20  | 390 | —    | 32 | 12   | 112 | 7.5   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA425TB |
|         |                   | 450                | 4           | 2012           | 455.5      | 16   | 60                | 20  | 415 | —    | 32 | 12.0 | 112 | 8.4   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA450TB |
|         |                   | 475                | 4           | 2517           | 480        | 16   | 60                | 20  | 440 | —    | 45 | 25   | 124 | 9     |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA475TB |
|         |                   | 500                | 4           | 2517           | 505.5      | 16   | 60                | 20  | 465 | —    | 45 | 12.0 | 112 | 9.4   |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA500TB |
|         |                   | 530                | 4           | 2517           | 535        | 16   | 60                | 20  | 495 | —    | 45 | 25   | 124 | 10.73 |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA530TB |
|         |                   | 560                | 4           | 2517           | 565        | 16   | 60                | 20  | 525 | —    | 45 | 25   | 124 | 11    |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA560TB |
|         |                   | 630                | 4           | 2517           | 635.5      | 16   | 60                | 20  | 595 | —    | 45 | 12.0 | 112 | 13.1  |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA630TB |
|         |                   | 800                | 4           | 3020           | 805        | 25   | 75                | 20  | 765 | 15.5 | 51 | 15.5 | 159 | 19    |   |  |   |  |   |  |   |  |                    |               | PHP 1SPA800TB |
| SPA     | 2                 | 63                 | 6           | 1008           | 68.5       | 9    | 28                | 35  | 33  | 13.0 | 22 | —    | —   | 0.6   |   |  |   |  |   |  |   |  |                    |               | PHP 2SPA63TB  |
|         |                   | 67                 | 6           | 1108           | 72.5       | 9    | 28                | 35  | 37  | 13.0 | 22 | —    | —   | 0.4   |   |  |   |  |   |  |   |  |                    |               | PHP 2SPA67TB  |
|         |                   | 71                 | 6           | 1108           | 76.5       | 9    | 28                | 35  | 40  | 13.0 | 22 | —    | —   | 0.5   |   |  |   |  |   |  |   |  |                    |               | PHP 2SPA71TB  |
|         |                   | 75                 | 6           | 1108           | 80.5       | 9    | 28                | 35  | 44  | 13.0 | 25 | —    | —   | 0.7   |   |  |   |  |   |  |   |  |                    |               | PHP 2SPA75TB  |
|         |                   | 80                 | 6           | 1210           | 85.5       | 11   | 32                | 35  | 47  | 10.0 | 25 | —    | —   | 0.6   |   |  |   |  |   |  |   |  |                    |               | PHP 2SPA80TB  |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

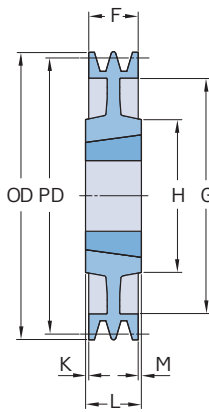
Wedge belt pulleys  
SPA taper bushed



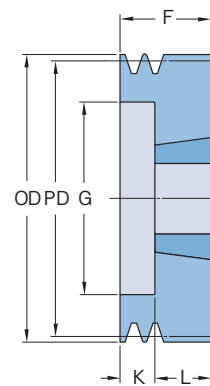
Type 6



Type 7



Type 8

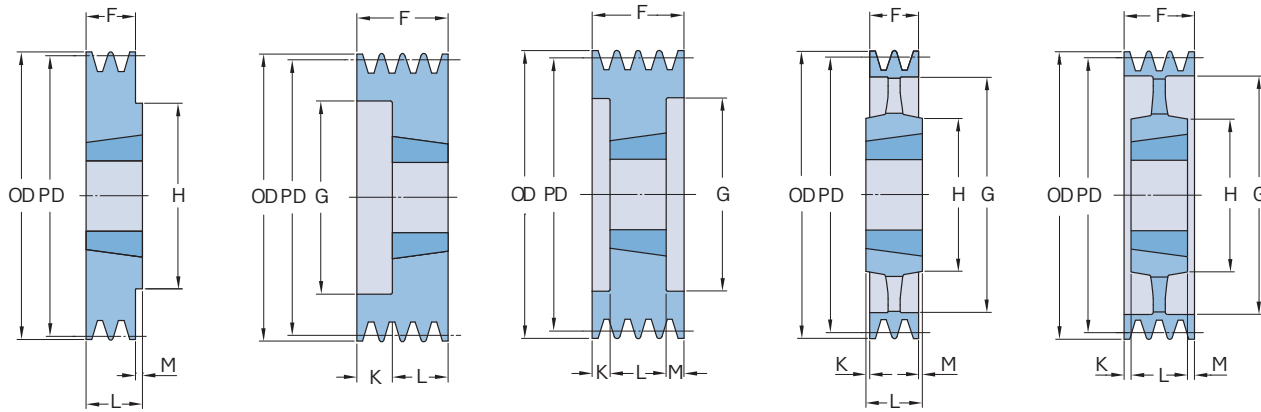


Type 9

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |        | Outer diameter OD |    | F   | G    | K  | L    | M   | H     | Mass <sup>1)</sup> | Designation   |
|---------|-------------------|--------------------|-------------|----------------|------------|--------|-------------------|----|-----|------|----|------|-----|-------|--------------------|---------------|
|         |                   | mm                 |             |                | mm         | B Min. | Max.              |    |     |      |    |      |     |       | kg                 |               |
| SPA     | 2                 | 85                 | 6           | 1210           | 90.5       | 11     | 32                | 35 | 50  | 10.0 | 25 | —    | —   | —     | 0.7                | PHP 2SPA85TB  |
|         |                   | 90                 | 6           | 1610           | 95.5       | 14     | 42                | 35 | 60  | 10.0 | 25 | —    | —   | —     | 0.7                | PHP 2SPA90TB  |
|         |                   | 95                 | 6           | 1610           | 100.5      | 14     | 42                | 35 | 64  | 10.0 | 25 | —    | —   | —     | 0.9                | PHP 2SPA95TB  |
|         |                   | 100                | 6           | 1610           | 105.5      | 14     | 42                | 35 | 70  | 10.0 | 25 | —    | —   | —     | 1.1                | PHP 2SPA100TB |
|         |                   | 106                | 6           | 1610           | 111.5      | 14     | 42                | 35 | 76  | 10.0 | 25 | —    | —   | —     | 1.2                | PHP 2SPA106TB |
|         |                   | 112                | 6           | 1610           | 117.5      | 14     | 42                | 35 | 80  | 10.0 | 25 | —    | —   | —     | 1.4                | PHP 2SPA112TB |
|         |                   | 118                | 6           | 1610           | 123.5      | 14     | 42                | 35 | 86  | 10.0 | 25 | —    | —   | —     | 1.6                | PHP 2SPA118TB |
|         |                   | 125                | 6           | 1610           | 130.5      | 14     | 42                | 35 | 90  | 10.0 | 25 | —    | —   | —     | 1.9                | PHP 2SPA125TB |
|         |                   | 132                | 6           | 2012           | 137.5      | 14     | 50                | 35 | 98  | 3.0  | 32 | —    | —   | —     | 2.1                | PHP 2SPA132TB |
|         |                   | 140                | 6           | 2012           | 145.5      | 14     | 50                | 35 | 106 | 3.0  | 32 | —    | —   | —     | 2.6                | PHP 2SPA140TB |
|         |                   | 150                | 6           | 2012           | 155.5      | 14     | 50                | 35 | 116 | 3.0  | 32 | —    | —   | —     | 3.2                | PHP 2SPA150TB |
|         |                   | 160                | 6           | 2012           | 165.5      | 14     | 50                | 35 | 125 | 3.0  | 32 | —    | —   | —     | 3.8                | PHP 2SPA160TB |
|         |                   | 170                | 6           | 2012           | 175.5      | 14     | 50                | 35 | 135 | 3.0  | 32 | —    | —   | —     | 4.5                | PHP 2SPA170TB |
|         |                   | 180                | 7           | 2012           | 185.5      | 14     | 50                | 35 | 148 | 2.0  | 32 | 2.0  | 100 | 5.2   | PHP 2SPA180TB      |               |
|         |                   | 190                | 7           | 2012           | 195.5      | 14     | 50                | 35 | 158 | 2.0  | 32 | 2.0  | 100 | 4.4   | PHP 2SPA190TB      |               |
|         |                   | 200                | 8           | 2517           | 205.5      | 16     | 60                | 35 | 165 | 5.0  | 45 | 5.0  | 120 | 4.9   | PHP 2SPA200TB      |               |
|         |                   | 212                | 4           | 2517           | 217.5      | 16     | 65                | 35 | 177 | 5.0  | 45 | 5.0  | 120 | 5.8   | PHP 2SPA212TB      |               |
|         |                   | 224                | 4           | 2517           | 229.5      | 16     | 60                | 35 | 189 | —    | 45 | 10.0 | 120 | 6.6   | PHP 2SPA224TB      |               |
|         |                   | 236                | 4           | 2517           | 241        | 16     | 60                | 35 | 202 | —    | 45 | 10   | 124 | 5.2   | PHP 2SPA236TB      |               |
|         |                   | 250                | 4           | 2517           | 255.5      | 16     | 60                | 35 | 215 | 5.0  | 45 | 5.0  | 120 | 6.8   | PHP 2SPA250TB      |               |
|         |                   | 265                | 4           | 2517           | 270        | 16     | 60                | 35 | 230 | —    | 45 | 10   | 124 | 6.15  | PHP 2SPA265TB      |               |
|         |                   | 280                | 4           | 2517           | 285.5      | 16     | 60                | 35 | 245 | —    | 45 | 10.0 | 120 | 8.3   | PHP 2SPA280TB      |               |
|         |                   | 290                | 4           | 2517           | 295        | 16     | 60                | 35 | 255 | —    | 45 | 10   | 124 | 6.9   | PHP 2SPA290TB      |               |
|         |                   | 300                | 4           | 2517           | 305        | 16     | 60                | 35 | 265 | —    | 45 | 10   | 124 | 6.95  | PHP 2SPA300TB      |               |
|         |                   | 315                | 4           | 2517           | 320.5      | 16     | 60                | 35 | 280 | —    | 45 | 10.0 | 120 | 10.2  | PHP 2SPA315TB      |               |
|         |                   | 355                | 4           | 2517           | 360.5      | 16     | 60                | 35 | 320 | —    | 45 | 10.0 | 120 | 10.5  | PHP 2SPA355TB      |               |
|         |                   | 400                | 4           | 2517           | 405.5      | 16     | 60                | 35 | 365 | —    | 45 | 10.0 | 120 | 11.3  | PHP 2SPA400TB      |               |
|         |                   | 425                | 4           | 2517           | 430        | 16     | 60                | 35 | 390 | —    | 45 | 10   | 124 | 10.85 | PHP 2SPA425TB      |               |
|         |                   | 450                | 4           | 2517           | 455.5      | 16     | 60                | 35 | 465 | —    | 45 | 10.0 | 120 | 15.0  | PHP 2SPA450TB      |               |
|         |                   | 475                | 4           | 2517           | 480        | 16     | 60                | 35 | 440 | —    | 45 | 10   | 124 | 12.5  | PHP 2SPA475TB      |               |
|         |                   | 500                | 4           | 2517           | 505.5      | 16     | 60                | 35 | 525 | —    | 51 | 16.0 | 150 | 18.7  | PHP 2SPA500TB      |               |
|         |                   | 530                | 4           | 3020           | 535        | 25     | 75                | 35 | 495 | 8    | 51 | 8    | 159 | 16    | PHP 2SPA530TB      |               |
|         |                   | 560                | 4           | 3020           | 565        | 25     | 75                | 35 | 525 | 8    | 51 | 8    | 159 | 16.55 | PHP 2SPA560TB      |               |
|         |                   | 630                | 4           | 3020           | 635.5      | 25     | 75                | 35 | 595 | 8.0  | 51 | 8.0  | 150 | 22.0  | PHP 2SPA630TB      |               |
|         |                   | 710                | 4           | 3020           | 715        | 25     | 75                | 35 | 675 | 8    | 51 | 8    | 159 | 23.4  | PHP 2SPA710TB      |               |
|         |                   | 800                | 4           | 3535           | 805        | 35     | 90                | 35 | 765 | 27   | 89 | 27   | 175 | 34    | PHP 2SPA800TB      |               |
|         |                   | 900                | 4           | 3535           | 905        | 35     | 90                | 35 | 865 | 27   | 89 | 27   | 175 | 37    | PHP 2SPA900TB      |               |
| SPA     | 3                 | 71                 | 6           | 1108           | 76.5       | 9      | 28                | 50 | 40  | 28.0 | 22 | —    | —   | —     | 0.7                | PHP 3SPA71TB  |
|         |                   | 75                 | 6           | 1108           | 80.5       | 9      | 28                | 50 | 44  | 28.0 | 25 | —    | —   | —     | 0.8                | PHP 3SPA75TB  |
|         |                   | 80                 | 6           | 1210           | 85.5       | 11     | 32                | 50 | 47  | 25.0 | 25 | —    | —   | —     | 0.9                | PHP 3SPA80TB  |
|         |                   | 85                 | 6           | 1210           | 90.5       | 11     | 32                | 50 | 50  | 25.0 | 25 | —    | —   | —     | 1.0                | PHP 3SPA85TB  |
|         |                   | 90                 | 6           | 1610           | 95.5       | 14     | 42                | 50 | 60  | 25.0 | 25 | —    | —   | —     | 1.0                | PHP 3SPA90TB  |
|         |                   | 95                 | 6           | 1610           | 100.5      | 14     | 42                | 50 | 64  | 25.0 | 25 | —    | —   | —     | 1.2                | PHP 3SPA95TB  |
|         |                   | 100                | 2           | 1610           | 105.5      | 14     | 42                | 50 | 70  | —    | 25 | 25.0 | —   | —     | 1.3                | PHP 3SPA100TB |
|         |                   | 106                | 2           | 1610           | 111.5      | 14     | 42                | 50 | 76  | —    | 25 | 25.0 | —   | —     | 1.6                | PHP 3SPA106TB |
|         |                   | 112                | 6           | 2012           | 117.5      | 14     | 50                | 50 | 83  | 18.0 | 32 | —    | —   | —     | 1.6                | PHP 3SPA112TB |
|         |                   | 118                | 2           | 2012           | 123.5      | 14     | 50                | 50 | 86  | —    | 32 | 18.0 | —   | —     | 1.9                | PHP 3SPA118TB |
|         |                   | 125                | 2           | 2012           | 130.5      | 14     | 50                | 50 | 92  | —    | 32 | 18.0 | —   | —     | 2.3                | PHP 3SPA125TB |
|         |                   | 132                | 2           | 2012           | 137.5      | 14     | 50                | 50 | 98  | —    | 32 | 18.0 | —   | —     | 2.6                | PHP 3SPA132TB |
|         |                   | 140                | 6           | 2517           | 145.5      | 16     | 60                | 50 | 106 | 5.0  | 45 | —    | —   | —     | 2.9                | PHP 3SPA140TB |
|         |                   | 150                | 6           | 2517           | 155.5      | 16     | 60                | 50 | 116 | 5.0  | 45 | —    | —   | —     | 3.7                | PHP 3SPA150TB |
|         |                   | 160                | 6           | 2517           | 165.5      | 16     | 60                | 50 | 126 | 5.0  | 45 | —    | —   | —     | 4.5                | PHP 3SPA160TB |
|         |                   | 170                | 6           | 2517           | 175.5      | 16     | 60                | 50 | 138 | 5.0  | 45 | —    | —   | —     | 5.0                | PHP 3SPA170TB |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

Wedge belt pulleys  
SPA taper bushed



Type 1

Type 2

Type 3

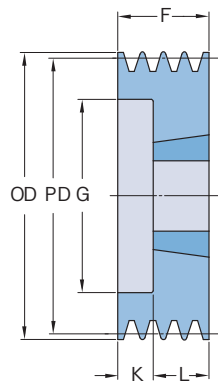
Type 4

Type 5

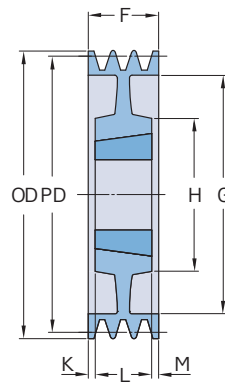
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |      | Outer diameter OD |    | B   |      | F  |      | G   | K | L | M | H | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|------------|------|-------------------|----|-----|------|----|------|-----|---|---|---|---|--------------------|----------------|
|         |                   | mm                 |             |                | mm         | Min. | Max.              |    |     |      |    |      |     |   |   |   |   | kg                 |                |
| SPA     | 3                 | 180                | 6           | 2517           | 185.5      | 16   | 60                | 50 | 146 | 5.0  | 45 | –    | –   | – | – | – | – | 6.2                | PHP 3SPA180TB  |
|         |                   | 190                | 6           | 2517           | 195.5      | 16   | 60                | 50 | 158 | 5.0  | 45 | –    | –   | – | – | – | – | 7.0                | PHP 3SPA190TB  |
|         |                   | 200                | 7           | 2517           | 205.5      | 16   | 60                | 50 | 165 | 2.5  | 45 | 2.5  | 120 | – | – | – | – | 5.6                | PHP 3SPA200TB  |
|         |                   | 212                | 5           | 2517           | 217.5      | 16   | 60                | 50 | 177 | 2.5  | 45 | 2.5  | 120 | – | – | – | – | 6.6                | PHP 3SPA212TB  |
|         |                   | 224                | 5           | 2517           | 229.5      | 16   | 60                | 50 | 189 | 2.5  | 45 | 2.5  | 120 | – | – | – | – | 7.5                | PHP 3SPA224TB  |
|         |                   | 236                | 5           | 2517           | 241        | 16   | 60                | 50 | 202 | 2.5  | 45 | 2.5  | 124 | – | – | – | – | 6.8                | PHP 3SPA236TB  |
|         |                   | 250                | 5           | 2517           | 255.5      | 16   | 60                | 50 | 215 | 2.5  | 45 | 2.5  | 120 | – | – | – | – | 8.6                | PHP 3SPA250TB  |
|         |                   | 265                | 5           | 2517           | 270        | 16   | 60                | 50 | 230 | 2.5  | 45 | 2.5  | 124 | – | – | – | – | 7.65               | PHP 3SPA265TB  |
|         |                   | 280                | 5           | 2517           | 285.5      | 16   | 60                | 50 | 245 | 2.5  | 45 | 2.5  | 120 | – | – | – | – | 10.0               | PHP 3SPA280TB  |
|         |                   | 300                | 4           | 3020           | 305        | 25   | 75                | 50 | 265 | 0.5  | 51 | 0.5  | 150 | – | – | – | – | 10.04              | PHP 3SPA300TB  |
|         |                   | 315                | 4           | 3020           | 320.5      | 25   | 75                | 50 | 280 | 0.5  | 51 | 0.5  | 160 | – | – | – | – | 12.8               | PHP 3SPA315TB  |
|         |                   | 335                | 4           | 3020           | 340        | 25   | 75                | 50 | 300 | 0.5  | 51 | 0.5  | 159 | – | – | – | – | 12.04              | PHP 3SPA335TB  |
|         |                   | 355                | 4           | 3020           | 360.5      | 25   | 75                | 50 | 320 | 0.5  | 51 | 0.5  | 150 | – | – | – | – | 13.4               | PHP 3SPA355TB  |
|         |                   | 375                | 4           | 3020           | 380        | 25   | 75                | 50 | 340 | 0.5  | 51 | 0.5  | 159 | – | – | – | – | 13.7               | PHP 3SPA375TB  |
|         |                   | 400                | 4           | 3020           | 405.5      | 25   | 75                | 50 | 365 | –    | 51 | 1.0  | 150 | – | – | – | – | 15.9               | PHP 3SPA400TB  |
|         |                   | 425                | 4           | 3020           | 430        | 25   | 75                | 50 | 390 | –    | 51 | 1.0  | 159 | – | – | – | – | 15.3               | PHP 3SPA425TB  |
|         |                   | 450                | 4           | 3020           | 455.5      | 25   | 75                | 50 | 415 | –    | 51 | 1.0  | 150 | – | – | – | – | 19.3               | PHP 3SPA450TB  |
|         |                   | 475                | 4           | 3020           | 480        | 25   | 75                | 50 | 400 | –    | 51 | 1.0  | 159 | – | – | – | – | 18.09              | PHP 3SPA475TB  |
|         |                   | 500                | 4           | 3020           | 505.5      | 25   | 75                | 50 | 465 | –    | 51 | 1.0  | 150 | – | – | – | – | 22.6               | PHP 3SPA500TB  |
|         |                   | 530                | 4           | 3020           | 535        | 25   | 75                | 50 | 495 | –    | 51 | 1.0  | 159 | – | – | – | – | 20.63              | PHP 3SPA530TB  |
|         |                   | 560                | 4           | 3020           | 565.5      | 25   | 75                | 50 | 525 | –    | 51 | 1.0  | 150 | – | – | – | – | 23.5               | PHP 3SPA560TB  |
|         |                   | 630                | 4           | 3020           | 635.5      | 25   | 75                | 50 | 595 | –    | 51 | 1.0  | 150 | – | – | – | – | 27.5               | PHP 3SPA630TB  |
|         |                   | 745                | 4           | 3535           | 750        | 35   | 90                | 50 | 710 | 19.5 | 89 | 19.5 | 175 | – | – | – | – | 36.4               | PHP 3SPA745TB  |
|         |                   | 800                | 4           | 3535           | 805.5      | 35   | 90                | 50 | 765 | 19.5 | 89 | 19.5 | 170 | – | – | – | – | 40.8               | PHP 3SPA800TB  |
|         |                   | 900                | 4           | 3535           | 905        | 35   | 90                | 50 | 865 | 19.5 | 89 | 19.5 | 175 | – | – | – | – | 47                 | PHP 3SPA900TB  |
|         |                   | 1000               | 4           | 3535           | 1005.5     | 35   | 90                | 50 | 965 | 19.5 | 89 | 19.5 | 178 | – | – | – | – | 50.0               | PHP 3SPA1000TB |
| SPA     | 4                 | 71                 | 8           | 1108           | 76         | 9    | 28                | 65 | 40  | 43   | 22 | –    | –   | – | – | – | – | 1.47               | PHP 4SPA71TB   |
|         |                   | 80                 | 8           | 1210           | 85         | 11   | 32                | 65 | 49  | 40   | 25 | –    | –   | – | – | – | – | 1.05               | PHP 4SPA80TB   |
|         |                   | 90                 | 6           | 1615           | 95.5       | 14   | 42                | 65 | 64  | 27.0 | 38 | –    | –   | – | – | – | – | 1.2                | PHP 4SPA90TB   |
|         |                   | 95                 | 6           | 1615           | 100.5      | 14   | 42                | 65 | 64  | 27.0 | 38 | –    | –   | – | – | – | – | 1.4                | PHP 4SPA95TB   |
|         |                   | 100                | 2           | 1615           | 105.5      | 14   | 42                | 65 | 70  | –    | 38 | 27.0 | –   | – | – | – | – | 1.6                | PHP 4SPA100TB  |
|         |                   | 106                | 6           | 2012           | 111.5      | 14   | 50                | 65 | 76  | 33.0 | 32 | –    | –   | – | – | – | – | 1.7                | PHP 4SPA106TB  |
|         |                   | 112                | 6           | 2012           | 117.5      | 14   | 50                | 65 | 80  | 33.0 | 32 | –    | –   | – | – | – | – | 2.0                | PHP 4SPA112TB  |
|         |                   | 118                | 2           | 2012           | 123.5      | 14   | 50                | 65 | 86  | –    | 32 | 33.0 | –   | – | – | – | – | 2.3                | PHP 4SPA118TB  |
|         |                   | 125                | 2           | 2012           | 130.5      | 14   | 50                | 65 | 92  | –    | 32 | 33.0 | –   | – | – | – | – | 2.7                | PHP 4SPA125TB  |
|         |                   | 132                | 2           | 2517           | 137.5      | 16   | 60                | 65 | 98  | –    | 45 | 20.0 | –   | – | – | – | – | 2.9                | PHP 4SPA132TB  |
|         |                   | 140                | 2           | 2517           | 145.5      | 16   | 60                | 65 | 106 | –    | 45 | 20.0 | –   | – | – | – | – | 3.5                | PHP 4SPA140TB  |
|         |                   | 150                | 2           | 2517           | 155.5      | 16   | 60                | 65 | 116 | –    | 45 | 20.0 | –   | – | – | – | – | 4.2                | PHP 4SPA150TB  |
|         |                   | 160                | 2           | 2517           | 165.5      | 16   | 60                | 65 | 126 | –    | 45 | 20.0 | –   | – | – | – | – | 5.1                | PHP 4SPA160TB  |
|         |                   | 170                | 2           | 2517           | 175.5      | 16   | 60                | 65 | 138 | –    | 45 | 20.0 | –   | – | – | – | – | 6.0                | PHP 4SPA170TB  |
|         |                   | 180                | 2           | 2517           | 185.5      | 16   | 60                | 65 | 146 | –    | 45 | 20.0 | –   | – | – | – | – | 6.9                | PHP 4SPA180TB  |
|         |                   | 190                | 2           | 2517           | 195.5      | 25   | 60                | 65 | 158 | –    | 45 | 20.0 | –   | – | – | – | – | 7.2                | PHP 4SPA190TB  |
|         |                   | 200                | 2           | 3020           | 205.5      | 25   | 75                | 65 | 165 | –    | 51 | 14.0 | –   | – | – | – | – | 8.4                | PHP 4SPA200TB  |
|         |                   | 212                | 2           | 3020           | 217.5      | 25   | 75                | 65 | 177 | –    | 51 | 14.0 | –   | – | – | – | – | 9.9                | PHP 4SPA212TB  |
|         |                   | 224                | 2           | 3020           | 229.5      | 25   | 75                | 65 | 189 | –    | 51 | 14.0 | –   | – | – | – | – | 11.4               | PHP 4SPA224TB  |
|         |                   | 236                | 6           | 3020           | 241        | 25   | 75                | –  | 65  | 202  | 51 | 14   | 159 | – | – | – | – | 9.85               | PHP 4SPA236TB  |
|         |                   | 250                | 5           | 3020           | 255.5      | 25   | 75                | 65 | 215 | 7.0  | 51 | 7.0  | 150 | – | – | – | – | 10.5               | PHP 4SPA250TB  |
|         |                   | 265                | 5           | 3020           | 270        | 25   | 75                | 65 | 215 | 7    | 51 | 7    | 159 | – | – | – | – | 9.95               | PHP 4SPA265TB  |
|         |                   | 280                | 5           | 3020           | 285.5      | 25   | 75                | 65 | 245 | 7.0  | 51 | 7.0  | 150 | – | – | – | – | 11.6               | PHP 4SPA280TB  |
|         |                   | 290                | 5           | 3020           | 295        | 25   | 75                | 65 | 245 | 7    | 51 | 7    | 159 | – | – | – | – | 11.4               | PHP 4SPA290TB  |
|         |                   | 300                | 5           | 3020           | 305        | 25   | 75                | 65 | 265 | 7    | 51 | 7    | 159 | – | – | – | – | 12.25              | PHP 4SPA300TB  |
|         |                   | 315                | 5           | 3020           | 320.5      | 25   | 75                | 65 | 280 | 7.0  | 51 | 7.0  | 150 | – | – | – | – | 13.8               | PHP 4SPA315TB  |
|         |                   | 335                | 5           | 3020           | 340        | 25   | 75                | 65 | 300 | 7    | 51 | 7    | 159 | – | – | – | – | 13.5               | PHP 4SPA335TB  |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

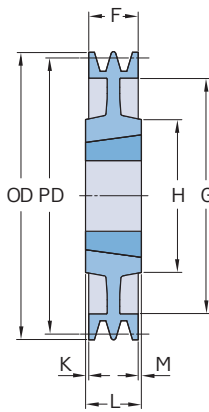
Wedge belt pulleys  
SPA taper bushed



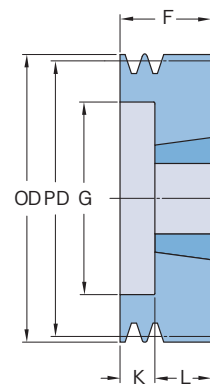
Type 6



Type 7



Type 8



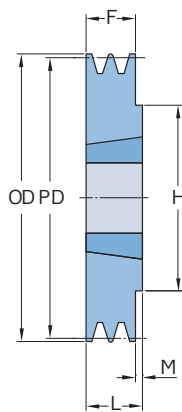
Type 9

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        | Max. | F  | G   | K    | L   | M    | H   | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|------|----|-----|------|-----|------|-----|--------------------|----------------|
|         |                   | mm                 |             |                | Outer diameter OD | B Min. |      |    |     |      |     |      |     |                    |                |
| –       | –                 | mm                 | –           | –              | mm                |        |      |    |     |      |     |      |     | kg                 | –              |
| SPA     | 4                 | 355                | 5           | 3020           | 360.5             | 25     | 75   | 65 | 320 | 7.0  | 51  | 7.0  | 150 | 15.8               | PHP 4SPA355TB  |
|         |                   | 375                | 5           | 3020           | 380               | 25     | 75   | 65 | 340 | 7    | 51  | 7    | 159 | 15.3               | PHP 4SPA375TB  |
|         |                   | 400                | 5           | 3020           | 405.5             | 25     | 75   | 65 | 365 | 7.0  | 51  | 7.0  | 150 | 17.7               | PHP 4SPA400TB  |
|         |                   | 425                | 5           | 3020           | 430               | 25     | 75   | 65 | 390 | 7    | 51  | 7    | 159 | 18.47              | PHP 4SPA425TB  |
|         |                   | 450                | 5           | 3020           | 455.5             | 25     | 75   | 65 | 415 | 7.0  | 51  | 7.0  | 150 | 23.2               | PHP 4SPA450TB  |
|         |                   | 475                | 5           | 3020           | 480               | 25     | 75   | 65 | 440 | 7    | 51  | 7    | 159 | 20.84              | PHP 4SPA475TB  |
|         |                   | 500                | 5           | 3020           | 505.5             | 25     | 75   | 65 | 465 | 7.0  | 51  | 7.0  | 150 | 27.4               | PHP 4SPA500TB  |
|         |                   | 560                | 4           | 3535           | 565.5             | 35     | 90   | 65 | 525 | 12.0 | 89  | 12.0 | 170 | 30.5               | PHP 4SPA560TB  |
|         |                   | 630                | 4           | 3535           | 635.5             | 35     | 90   | 65 | 595 | 12.0 | 89  | 12.0 | 170 | 34.1               | PHP 4SPA630TB  |
|         |                   | 745                | 4           | 3535           | 750               | 35     | 90   | 65 | 710 | 12   | 89  | 12   | 175 | 41.45              | PHP 4SPA745TB  |
|         |                   | 800                | 4           | 3535           | 805.5             | 35     | 90   | 65 | 765 | 12.0 | 89  | 12.0 | 170 | 50.8               | PHP 4SPA800TB  |
|         |                   | 900                | 4           | 3535           | 905               | 35     | 90   | 65 | 865 | 12   | 89  | 12   | 175 | 51                 | PHP 4SPA900TB  |
|         |                   | 1000               | 4           | 4040           | 1005.5            | 40     | 100  | 65 | 965 | 18.5 | 102 | 18.5 | 216 | 62.0               | PHP 4SPA1000TB |
|         | 5                 | 90                 | 8           | 1615           | 95                | 14     | 42   | 80 | 58  | 42   | 38  | –    | –   | 1.51               | PHP 5SPA90TB   |
|         |                   | 100                | 2           | 1615           | 105.5             | 14     | 42   | 80 | 70  | –    | 38  | 42.0 | –   | 1.9                | PHP 5SPA100TB  |
|         |                   | 106                | 6           | 2012           | 111.5             | 14     | 50   | 80 | 76  | 48.0 | 32  | –    | –   | 2.1                | PHP 5SPA106TB  |
|         |                   | 112                | 6           | 2012           | 117.5             | 14     | 50   | 80 | 80  | 48.0 | 32  | –    | –   | 2.4                | PHP 5SPA112TB  |
|         |                   | 118                | 2           | 2012           | 123.5             | 14     | 50   | 80 | 86  | –    | 32  | 48.0 | –   | 2.7                | PHP 5SPA118TB  |
|         |                   | 125                | 3           | 2012           | 130.5             | 14     | 50   | 80 | 92  | 24.0 | 32  | 24.0 | –   | 3.1                | PHP 5SPA125TB  |
|         |                   | 132                | 3           | 2517           | 137.5             | 16     | 60   | 80 | 98  | 17.5 | 45  | 17.5 | –   | 3.2                | PHP 5SPA132TB  |
|         |                   | 140                | 3           | 2517           | 145.5             | 16     | 60   | 80 | 106 | 17.5 | 45  | 17.5 | –   | 3.9                | PHP 5SPA140TB  |
|         |                   | 150                | 3           | 2517           | 155.5             | 16     | 60   | 80 | 116 | 17.5 | 45  | 17.5 | –   | 4.7                | PHP 5SPA150TB  |
|         |                   | 160                | 3           | 2517           | 165.5             | 16     | 60   | 80 | 126 | 17.5 | 45  | 17.5 | –   | 5.6                | PHP 5SPA160TB  |
|         |                   | 170                | 3           | 2517           | 175.5             | 16     | 60   | 80 | 146 | 17.5 | 45  | 17.5 | –   | 6.2                | PHP 5SPA170TB  |
|         |                   | 180                | 3           | 3020           | 185.5             | 25     | 75   | 80 | 165 | 14.5 | 51  | 14.5 | –   | 6.8                | PHP 5SPA180TB  |
|         |                   | 190                | 2           | 3020           | 195.5             | 25     | 75   | 80 | 189 | –    | 51  | 29.0 | –   | 7.4                | PHP 5SPA190TB  |
|         |                   | 200                | 3           | 3020           | 205.5             | 25     | 75   | 80 | 215 | 14.5 | 51  | 14.5 | –   | 9.1                | PHP 5SPA200TB  |
|         |                   | 212                | 2           | 3020           | 217.5             | 25     | 75   | 80 | 245 | –    | 51  | 29.0 | –   | 10.7               | PHP 5SPA212TB  |
|         |                   | 224                | 2           | 3020           | 229.5             | 25     | 75   | 80 | 280 | –    | 51  | 29.0 | –   | 12.3               | PHP 5SPA224TB  |
|         |                   | 250                | 7           | 3020           | 255.5             | 25     | 75   | 80 | 215 | 14.5 | 51  | 14.5 | 150 | 11.7               | PHP 5SPA250TB  |
|         |                   | 280                | 4           | 3535           | 285.5             | 35     | 90   | 80 | 245 | 4.5  | 89  | 4.5  | 170 | 17.4               | PHP 5SPA280TB  |
|         |                   | 315                | 4           | 3535           | 320.5             | 35     | 90   | 80 | 280 | 4.5  | 89  | 4.5  | 170 | 20.0               | PHP 5SPA315TB  |
|         |                   | 236                | 2           | 3020           | 241               | 25     | 75   | 80 | 202 | –    | 51  | 29   | –   | 13.6               | PHP 5SPA236TB  |
|         |                   | 265                | 6           | 3020           | 270               | 25     | 75   | 80 | 230 | 14.5 | 51  | 14.5 | 159 | 13.2               | PHP 5SPA265TB  |
|         |                   | 300                | 4           | 3535           | 305               | 35     | 90   | 80 | 265 | 4.5  | 89  | 4.5  | 175 | 17.12              | PHP 5SPA300TB  |
|         |                   | 335                | 4           | 3535           | 340               | 35     | 90   | 80 | 300 | 4.5  | 89  | 4.5  | 175 | 19.31              | PHP 5SPA335TB  |
|         |                   | 355                | 4           | 3535           | 360.5             | 35     | 90   | 80 | 320 | 4.5  | 89  | 4.5  | 170 | 22.8               | PHP 5SPA355TB  |
|         |                   | 375                | 4           | 3535           | 380               | 35     | 90   | 80 | 340 | 4.5  | 89  | 4.5  | 175 | 22                 | PHP 5SPA375TB  |
|         |                   | 400                | 4           | 3535           | 405.5             | 35     | 90   | 80 | 365 | 4.5  | 89  | 4.5  | 170 | 24.8               | PHP 5SPA400TB  |
|         |                   | 425                | 4           | 3535           | 430               | 35     | 90   | 80 | 390 | 4.5  | 89  | 4.5  | 175 | 23                 | PHP 5SPA425TB  |
|         |                   | 450                | 4           | 3535           | 455.5             | 35     | 90   | 80 | 415 | 4.5  | 89  | 4.5  | 170 | 28.5               | PHP 5SPA450TB  |
|         |                   | 475                | 4           | 3535           | 480               | 35     | 90   | 80 | 440 | 4.5  | 89  | 4.5  | 175 | 27.7               | PHP 5SPA475TB  |
|         |                   | 500                | 4           | 3535           | 505.5             | 35     | 90   | 80 | 465 | 4.5  | 89  | 4.5  | 170 | 31.7               | PHP 5SPA500TB  |
|         |                   | 530                | 4           | 3535           | 535               | 35     | 90   | 80 | 495 | 4.5  | 89  | 4.5  | 175 | 31.2               | PHP 5SPA530TB  |
|         |                   | 560                | 4           | 3535           | 565.5             | 35     | 90   | 80 | 525 | 4.5  | 89  | 4.5  | 170 | 35.0               | PHP 5SPA560TB  |
|         |                   | 630                | 4           | 3535           | 635.5             | 35     | 90   | 80 | 595 | 4.5  | 89  | 4.5  | 170 | 42.0               | PHP 5SPA630TB  |
|         |                   | 745                | 4           | 4040           | 750               | 40     | 100  | 80 | 710 | 11   | 102 | 11   | 210 | 46.7               | PHP 5SPA745TB  |
|         |                   | 800                | 4           | 4040           | 805.5             | 40     | 100  | 80 | 765 | 11.0 | 102 | 11.0 | 216 | 60.0               | PHP 5SPA800TB  |
|         |                   | 900                | 4           | 4040           | 905               | 40     | 100  | 80 | 865 | 11   | 102 | 11   | 210 | 64                 | PHP 5SPA900TB  |
|         |                   | 1000               | 4           | 4545           | 1005.5            | 55     | 120  | 80 | 965 | 17.0 | 114 | 17.0 | 225 | 70.0               | PHP 5SPA1000TB |
| SPA     | 6                 | 100                | 3           | 1610           | 105.5             | 14     | 42   | 95 | 70  | 30.0 | 38  | 40.0 | –   | 2.2                | PHP 6SPA100TB  |
|         |                   | 106                | 6           | 2012           | 111.5             | 14     | 50   | 95 | 76  | 63.0 | 32  | –    | –   | 2.5                | PHP 6SPA106TB  |
|         |                   | 112                | 6           | 2012           | 117.5             | 14     | 50   | 95 | 80  | 63.0 | 32  | –    | –   | 2.8                | PHP 6SPA112TB  |

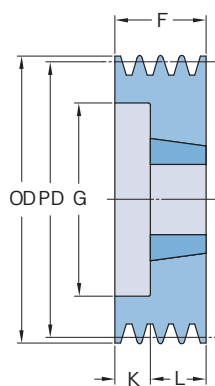
<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

# Wedge belt pulleys

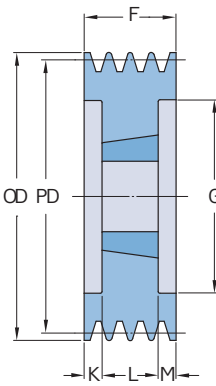
SPA taper bushed | SPB taper bushed



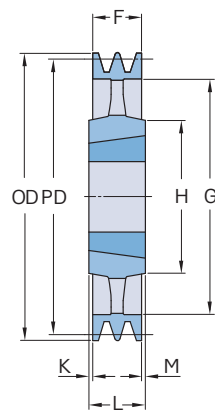
Type 1



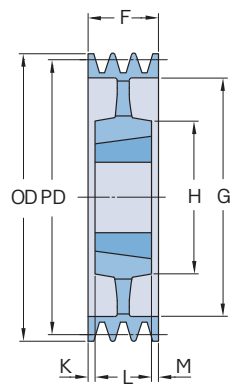
Type 2



Type 3



Type 4

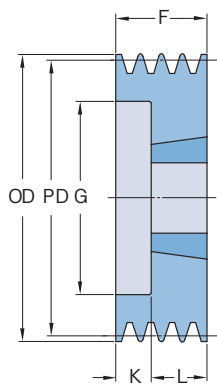


Type 5

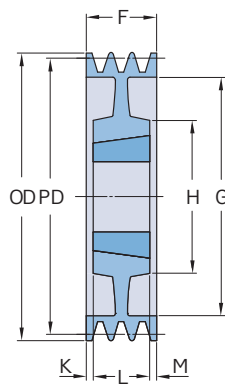
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |    |     | Outer diameter OD | B Min. | Max. | F   | G    | K   | L   | M   | H     | Mass <sup>1)</sup> | Designation   |
|---------|-------------------|--------------------|-------------|----------------|------------|----|-----|-------------------|--------|------|-----|------|-----|-----|-----|-------|--------------------|---------------|
| –       | –                 | mm                 | –           | –              | mm         |    |     | mm                |        |      |     |      |     |     |     |       | kg                 | –             |
| SPA     | 6                 | 118                | 6           | 2012           | 123.5      | 14 | 50  | 95                | 86     | 63.0 | 32  | –    | –   | –   | –   | –     | 3.1                | PHP 6SPA118TB |
|         |                   | 125                | 3           | 2012           | 130.5      | 14 | 50  | 95                | 92     | 31.5 | 32  | 31.5 | –   | –   | –   | –     | 3.7                | PHP 6SPA125TB |
|         |                   | 132                | 3           | 2517           | 137.5      | 16 | 60  | 95                | 98     | 25.0 | 45  | 25.0 | –   | –   | –   | –     | 3.6                | PHP 6SPA132TB |
|         |                   | 140                | 3           | 2517           | 145.5      | 16 | 60  | 95                | 106    | 25.0 | 45  | 25.0 | –   | –   | –   | –     | 4.5                | PHP 6SPA140TB |
|         |                   | 150                | 3           | 2517           | 155.5      | 16 | 60  | 95                | 116    | 25.0 | 45  | 25.0 | –   | –   | –   | –     | 5.3                | PHP 6SPA150TB |
|         |                   | 160                | 3           | 2517           | 165.5      | 16 | 60  | 95                | 126    | 25.0 | 45  | 25.0 | –   | –   | –   | –     | 6.3                | PHP 6SPA160TB |
|         |                   | 170                | 3           | 3020           | 175.5      | 25 | 75  | 95                | 135    | 22.0 | 51  | 22.0 | –   | –   | –   | –     | 6.3                | PHP 6SPA170TB |
|         |                   | 180                | 3           | 3020           | 185.5      | 25 | 75  | 95                | 146    | 22.0 | 51  | 22.0 | –   | –   | –   | –     | 7.5                | PHP 6SPA180TB |
|         |                   | 190                | 3           | 3020           | 195.5      | 25 | 75  | 95                | 155    | 22.0 | 51  | 22.0 | –   | –   | –   | –     | 8.6                | PHP 6SPA190TB |
|         |                   | 200                | 3           | 3020           | 205.5      | 25 | 75  | 95                | 165    | 22.0 | 51  | 22.0 | –   | –   | –   | –     | 9.9                | PHP 6SPA200TB |
|         |                   | 212                | 3           | 3020           | 217.5      | 25 | 75  | 95                | 177    | 22.0 | 51  | 22.0 | –   | –   | –   | –     | 11.6               | PHP 6SPA212TB |
|         |                   | 224                | 3           | 3020           | 229.5      | 25 | 75  | 95                | 189    | 22.0 | 51  | 22.0 | –   | –   | –   | –     | 13.2               | PHP 6SPA224TB |
|         |                   | 236                | 3           | 3020           | 241        | 25 | 75  | 95                | 202    | 22   | 51  | 22   | –   | –   | –   | –     | 14.5               | PHP 6SPA236TB |
|         |                   | 250                | 7           | 3020           | 255.5      | 25 | 75  | 95                | 215    | 22.0 | 51  | 22.0 | 150 | 150 | 150 | 12.5  | PHP 6SPA250TB      |               |
|         |                   | 265                | 6           | 3535           | 270        | 35 | 90  | 95                | 230    | 3    | 89  | 3    | 175 | 175 | 175 | 18.2  | PHP 6SPA265TB      |               |
|         |                   | 280                | 5           | 3535           | 285.5      | 35 | 90  | 95                | 245    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 19.0  | PHP 6SPA280TB      |               |
|         |                   | 300                | 5           | 3535           | 305        | 35 | 90  | 95                | 265    | 3    | 89  | 3    | 175 | 175 | 175 | 18.7  | PHP 6SPA300TB      |               |
|         |                   | 315                | 5           | 3535           | 320.5      | 35 | 90  | 95                | 280    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 21.1  | PHP 6SPA315TB      |               |
|         |                   | 335                | 5           | 3535           | 340        | 35 | 90  | 95                | 300    | 3    | 89  | 3    | 175 | 175 | 175 | 20.95 | PHP 6SPA335TB      |               |
|         |                   | 355                | 5           | 3535           | 360.5      | 35 | 90  | 95                | 320    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 23.5  | PHP 6SPA355TB      |               |
|         |                   | 375                | 5           | 3535           | 380        | 35 | 90  | 95                | 340    | 3    | 89  | 3    | 175 | 175 | 175 | 23.55 | PHP 6SPA375TB      |               |
|         |                   | 400                | 5           | 3535           | 405.5      | 35 | 90  | 95                | 365    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 26.0  | PHP 6SPA400TB      |               |
|         |                   | 425                | 5           | 3535           | 430        | 35 | 90  | 95                | 390    | 3    | 89  | 3    | 175 | 175 | 175 | 26.2  | PHP 6SPA425TB      |               |
|         |                   | 450                | 5           | 3535           | 455.5      | 35 | 90  | 95                | 415    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 30.0  | PHP 6SPA450TB      |               |
|         |                   | 500                | 5           | 3535           | 505.5      | 35 | 90  | 95                | 465    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 34.0  | PHP 6SPA500TB      |               |
|         |                   | 560                | 5           | 3535           | 565.5      | 35 | 90  | 95                | 525    | 3.0  | 89  | 3.0  | 170 | 170 | 170 | 39.0  | PHP 6SPA560TB      |               |
|         |                   | 630                | 4           | 4040           | 635.5      | 40 | 100 | 95                | 595    | 3.5  | 102 | 3.5  | 216 | 216 | 216 | 53.5  | PHP 6SPA630TB      |               |
|         |                   | 800                | 4           | 4040           | 805.5      | 40 | 100 | 95                | 765    | 3.5  | 102 | 3.5  | 216 | 216 | 216 | 70.0  | PHP 6SPA800TB      |               |
|         |                   | 900                | 4           | 4040           | 905        | 40 | 100 | 95                | 865    | 3.5  | 102 | 3.5  | 210 | 210 | 210 | 65.7  | PHP 6SPA900TB      |               |
|         |                   | 1000               | 4           | 4545           | 1005.5     | 55 | 120 | 95                | 965    | 9.5  | 114 | 9.5  | 225 | 225 | 225 | 85.5  | PHP 6SPA1000TB     |               |
| SPB     | 1                 | 80                 | 1           | 1108           | 87         | 9  | 28  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 0.55               | PHP 1SPB80TB  |
|         |                   | 90                 | 1           | 1210           | 97         | 11 | 32  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 0.65               | PHP 1SPB90TB  |
|         |                   | 100                | 1           | 1610           | 107.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 0.8                | PHP 1SPB100TB |
|         |                   | 106                | 1           | 1610           | 113.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 1.0                | PHP 1SPB106TB |
|         |                   | 112                | 1           | 1610           | 119.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 1.2                | PHP 1SPB112TB |
|         |                   | 118                | 1           | 1610           | 125.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 1.5                | PHP 1SPB118TB |
|         |                   | 125                | 1           | 1610           | 132.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 1.5                | PHP 1SPB125TB |
|         |                   | 132                | 1           | 1610           | 139.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 1.8                | PHP 1SPB132TB |
|         |                   | 140                | 1           | 1610           | 147.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 2.1                | PHP 1SPB140TB |
|         |                   | 150                | 1           | 1610           | 157.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 2.5                | PHP 1SPB150TB |
|         |                   | 160                | 1           | 1610           | 167.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 2.9                | PHP 1SPB160TB |
|         |                   | 170                | 1           | 1610           | 177.0      | 14 | 42  | 25                | –      | –    | 25  | –    | –   | –   | –   | –     | 3.0                | PHP 1SPB170TB |
|         |                   | 180                | 7           | 1610           | 187.0      | 14 | 42  | 25                | 137    | –    | 25  | –    | 80  | 80  | 80  | 3.8   | PHP 1SPB180TB      |               |
|         |                   | 190                | 8           | 2012           | 197.0      | 14 | 50  | 25                | 147    | 3.5  | 32  | 3.5  | 100 | 100 | 100 | 4.4   | PHP 1SPB190TB      |               |
|         |                   | 200                | 4           | 2012           | 207.0      | 14 | 50  | 25                | 157    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 4.0   | PHP 1SPB200TB      |               |
|         |                   | 212                | 4           | 2012           | 219.0      | 14 | 50  | 25                | 169    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 5.2   | PHP 1SPB212TB      |               |
|         |                   | 224                | 4           | 2012           | 231.0      | 14 | 50  | 25                | 181    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 5.2   | PHP 1SPB224TB      |               |
|         |                   | 236                | 4           | 2012           | 243.0      | 14 | 50  | 25                | 193    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 5.4   | PHP 1SPB236TB      |               |
|         |                   | 250                | 4           | 2012           | 257.0      | 14 | 50  | 25                | 207    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 6.2   | PHP 1SPB250TB      |               |
|         |                   | 265                | 4           | 2012           | 272        | 14 | 50  | 25                | 222    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 4.7   | PHP 1SPB265TB      |               |
|         |                   | 280                | 4           | 2012           | 287.0      | 14 | 50  | 25                | 237    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 6.5   | PHP 1SPB280TB      |               |
|         |                   | 300                | 4           | 2012           | 307.0      | 14 | 50  | 25                | 258    | 3.5  | 32  | 3.5  | 104 | 104 | 104 | 7.0   | PHP 1SPB300TB      |               |
|         |                   | 315                | 4           | 2012           | 322.0      | 14 | 50  | 25                | 272    | 3.5  | 32  | 3.5  | 100 | 100 | 100 | 7.5   | PHP 1SPB315TB      |               |
|         |                   | 335                | 4           | 2517           | 342.0      | 16 | 60  | 25                | 288    | 10.0 | 45  | 10.0 | 125 | 125 | 125 | 8.5   | PHP 1SPB335TB      |               |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

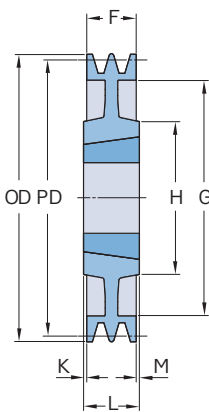
Wedge belt pulleys  
SPB taper bushed



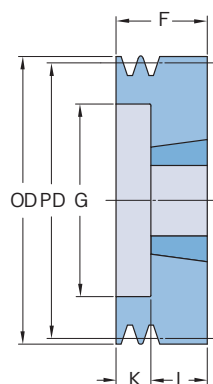
Type 6



Type 7



Type 8

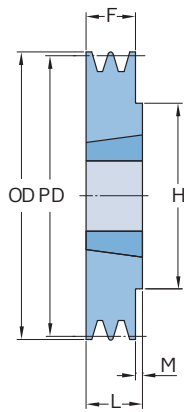


Type 9

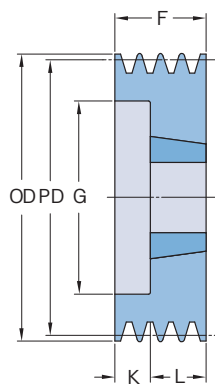
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        | Max. | F  | G   | K    | L  | M    | H   | Mass <sup>1)</sup> | Designation   |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|------|----|-----|------|----|------|-----|--------------------|---------------|
|         |                   | mm                 |             |                | Outer diameter OD | B Min. |      |    |     |      |    |      |     |                    |               |
| –       | –                 | mm                 | –           | –              | mm                |        |      |    |     |      |    |      |     | kg                 | –             |
| SPB     | 1                 | 355                | 4           | 3020           | 362.0             | 25     | 75   | 25 | 312 | 13.0 | 51 | 13.0 | 146 | 9.5                | PHP 1SPB355TB |
|         |                   | 375                | 4           | 3020           | 382               | 25     | 75   | 25 | 332 | 13   | 51 | 13   | 150 | 10                 | PHP 1SPB375TB |
|         |                   | 400                | 4           | 3020           | 407.0             | 25     | 75   | 25 | 357 | 13.0 | 51 | 13.0 | 146 | 11.0               | PHP 1SPB400TB |
|         |                   | 425                | 4           | 3020           | 432               | 25     | 75   | 25 | 382 | 13   | 51 | 13   | 150 | 11                 | PHP 1SPB425TB |
|         |                   | 450                | 4           | 3020           | 457.0             | 25     | 75   | 25 | 407 | 13.0 | 51 | 13.0 | 150 | 12.3               | PHP 1SPB450TB |
|         |                   | 475                | 4           | 3020           | 482               | 25     | 75   | 25 | 432 | 13   | 51 | 13   | 150 | 12.5               | PHP 1SPB475TB |
|         |                   | 500                | 4           | 3020           | 507.0             | 25     | 75   | 25 | 457 | 13.0 | 51 | 13.0 | 150 | 14.6               | PHP 1SPB500TB |
|         |                   | 560                | 4           | 3020           | 567.0             | 25     | 75   | 25 | 517 | 13.0 | 51 | 13.0 | 150 | 18.5               | PHP 1SPB560TB |
|         |                   | 630                | 4           | 3020           | 637.0             | 25     | 75   | 25 | 587 | 13.0 | 51 | 13.0 | 150 | 20.5               | PHP 1SPB630TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
| SPB     | 2                 | 80                 | 8           | 1108           | 87                | 9      | 28   | 44 | 42  | 22   | 22 | –    | –   | 0.86               | PHP 2SPB80TB  |
|         |                   | 90                 | 8           | 1210           | 97                | 11     | 32   | 44 | 52  | 19   | 25 | –    | –   | 0.92               | PHP 2SPB90TB  |
|         |                   | 100                | 6           | 1610           | 107.0             | 14     | 42   | 44 | 62  | 19.0 | 25 | –    | –   | 1.3                | PHP 2SPB100TB |
|         |                   | 106                | 6           | 1610           | 113.0             | 14     | 42   | 44 | 67  | 19.0 | 25 | –    | –   | 1.5                | PHP 2SPB106TB |
|         |                   | 112                | 6           | 1610           | 119.0             | 14     | 42   | 44 | 72  | 19.0 | 25 | –    | –   | 1.5                | PHP 2SPB112TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 118                | 2           | 1610           | 125.0             | 14     | 42   | 44 | 78  | –    | 25 | 19.0 | –   | 1.7                | PHP 2SPB118TB |
|         |                   | 125                | 2           | 2012           | 132.0             | 14     | 50   | 44 | 82  | –    | 32 | 12.0 | –   | 2.0                | PHP 2SPB125TB |
|         |                   | 132                | 2           | 2012           | 139.0             | 14     | 50   | 44 | 89  | –    | 32 | 12.0 | –   | 2.4                | PHP 2SPB132TB |
|         |                   | 140                | 2           | 2012           | 147.0             | 14     | 50   | 44 | 97  | –    | 32 | 12.0 | –   | 2.8                | PHP 2SPB140TB |
|         |                   | 150                | 2           | 2012           | 157.0             | 14     | 50   | 44 | 107 | –    | 32 | 12.0 | –   | 3.3                | PHP 2SPB150TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 160                | 2           | 2012           | 167.0             | 14     | 50   | 44 | 117 | –    | 32 | 12.0 | –   | 4.0                | PHP 2SPB160TB |
|         |                   | 170                | 2           | 2012           | 177.0             | 14     | 50   | 44 | 127 | –    | 32 | 12.0 | –   | 4.4                | PHP 2SPB170TB |
|         |                   | 180                | 1           | 2517           | 187.0             | 16     | 60   | 44 | –   | –    | 45 | 1.0  | 120 | 5.5                | PHP 2SPB180TB |
|         |                   | 190                | 1           | 2517           | 197.0             | 16     | 60   | 44 | –   | –    | 45 | 1.0  | 120 | 6.5                | PHP 2SPB190TB |
|         |                   | 200                | 1           | 2517           | 207.0             | 16     | 60   | 44 | –   | –    | 45 | 1.0  | 120 | 7.5                | PHP 2SPB200TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 212                | 8           | 2517           | 219.0             | 16     | 60   | 44 | 169 | –    | 45 | 1.0  | 120 | 7.0                | PHP 2SPB212TB |
|         |                   | 224                | 4           | 2517           | 231.0             | 16     | 60   | 44 | 181 | –    | 45 | 1.0  | 120 | 7.7                | PHP 2SPB224TB |
|         |                   | 236                | 4           | 2517           | 243.0             | 16     | 60   | 44 | 193 | –    | 45 | 1.0  | 120 | 8.3                | PHP 2SPB236TB |
|         |                   | 250                | 4           | 2517           | 257.0             | 16     | 60   | 44 | 207 | –    | 45 | 1.0  | 120 | 8.6                | PHP 2SPB250TB |
|         |                   | 265                | 4           | 2517           | 272               | 16     | 60   | 44 | 222 | –    | 45 | 1    | 125 | 7.5                | PHP 2SPB265TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 280                | 4           | 2517           | 287.0             | 16     | 60   | 44 | 237 | –    | 45 | 1.0  | 120 | 10.1               | PHP 2SPB280TB |
|         |                   | 290                | 4           | 2517           | 297               | 16     | 60   | 44 | 247 | –    | 45 | 1    | 125 | 8.3                | PHP 2SPB290TB |
|         |                   | 300                | 4           | 2517           | 307.0             | 16     | 60   | 44 | 257 | –    | 45 | 1.0  | 120 | 11.0               | PHP 2SPB300TB |
|         |                   | 315                | 4           | 2517           | 322.0             | 16     | 60   | 44 | 272 | –    | 45 | 1.0  | 120 | 12.2               | PHP 2SPB315TB |
|         |                   | 335                | 4           | 2517           | 342.0             | 16     | 60   | 44 | 292 | –    | 45 | 1.0  | 120 | 14.0               | PHP 2SPB335TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 355                | 4           | 3020           | 362.0             | 25     | 75   | 44 | 312 | 3.5  | 51 | 3.5  | 120 | 15.9               | PHP 2SPB355TB |
|         |                   | 375                | 4           | 3020           | 382               | 25     | 75   | 44 | 332 | 3.5  | 51 | 3.5  | 144 | 11.45              | PHP 2SPB375TB |
|         |                   | 400                | 4           | 3020           | 407.0             | 25     | 75   | 44 | 357 | 3.5  | 51 | 3.5  | 150 | 18.3               | PHP 2SPB400TB |
|         |                   | 425                | 4           | 3020           | 432               | 25     | 75   | 44 | 382 | 3.5  | 51 | 3.5  | 150 | 14.3               | PHP 2SPB425TB |
|         |                   | 450                | 4           | 3020           | 457.0             | 25     | 75   | 44 | 407 | 3.5  | 51 | 3.5  | 150 | 16.3               | PHP 2SPB450TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 475                | 4           | 3020           | 482               | 25     | 75   | 44 | 432 | 3.5  | 51 | 3.5  | 150 | 17.05              | PHP 2SPB475TB |
|         |                   | 500                | 4           | 3020           | 507.0             | 25     | 75   | 44 | 457 | 3.5  | 51 | 3.5  | 150 | 18.6               | PHP 2SPB500TB |
|         |                   | 530                | 4           | 3020           | 537               | 25     | 75   | 44 | 487 | 3.5  | 51 | 3.5  | 150 | 17.82              | PHP 2SPB530TB |
|         |                   | 560                | 4           | 3030           | 567.0             | 35     | 75   | 44 | 517 | 4.0  | 76 | 28.0 | 150 | 22.5               | PHP 2SPB560TB |
|         |                   | 630                | 4           | 3030           | 637.0             | 35     | 75   | 44 | 587 | 16.0 | 76 | –    | 150 | 25.5               | PHP 2SPB630TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 710                | 4           | 3030           | 717               | 25     | 75   | 44 | 664 | 16   | 76 | 16   | 150 | 30.45              | PHP 2SPB710TB |
|         |                   | 800                | 4           | 3030           | 807               | 25     | 75   | 44 | 754 | 16   | 76 | 16   | 150 | 34.4               | PHP 2SPB800TB |
| SPB     | 3                 | 80                 | 8           | 1108           | 87                | 9      | 28   | 63 | 40  | 41   | 22 | –    | –   | 1.2                | PHP 3SPB80TB  |
|         |                   | 90                 | 8           | 1210           | 97                | 11     | 32   | 63 | 50  | 38   | 25 | –    | –   | 1.4                | PHP 3SPB90TB  |
|         |                   | 100                | 6           | 1610           | 107.0             | 14     | 42   | 63 | 62  | 38.0 | 25 | –    | –   | 0.9                | PHP 3SPB100TB |
|         |                   | 106                | 6           | 1610           | 113.0             | 14     | 42   | 63 | 67  | 38.0 | 25 | –    | –   | 2.0                | PHP 3SPB106TB |
|         |                   | 112                | 6           | 1610           | 119.0             | 14     | 42   | 63 | 72  | 38.0 | 25 | –    | –   | 2.0                | PHP 3SPB112TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   | 118                | 2           | 1610           | 125.0             | 14     | 42   | 63 | 78  | –    | 25 | 38.0 | –   | 2.3                | PHP 3SPB118TB |
|         |                   | 125                | 2           | 2012           | 132.0             | 14     | 50   | 63 | 82  | –    | 32 | 31.0 | –   | 2.5                | PHP 3SPB125TB |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |
|         |                   |                    |             |                |                   |        |      |    |     |      |    |      |     |                    |               |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

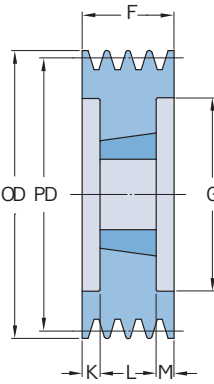
Wedge belt pulleys  
SPB taper bushed



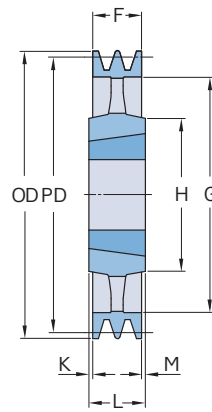
Type 1



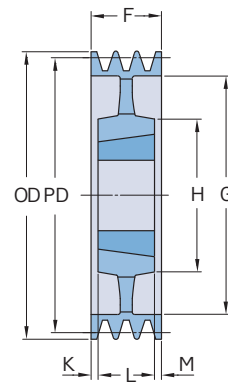
Type 2



Type 3



Type 4

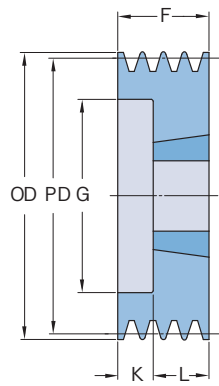


Type 5

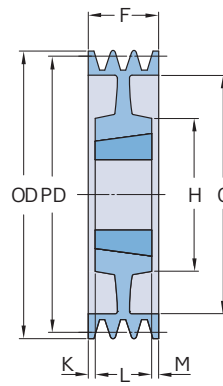
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |        |      | Outer diameter OD |      | F    |     | G    | K   | L     | M | H | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|------------|--------|------|-------------------|------|------|-----|------|-----|-------|---|---|--------------------|----------------|
|         |                   | mm                 |             |                | mm         | B Min. | Max. |                   |      |      |     |      |     |       |   |   | kg                 |                |
| SPB     | 3                 | 132                | 2           | 2012           | 139.0      | 14     | 50   | 63                | 89   | —    | 32  | 31.0 | —   | 3.1   |   |   |                    | PHP 3SPB132TB  |
|         |                   | 140                | 2           | 2012           | 147.0      | 14     | 50   | 63                | 97   | —    | 32  | 31.0 | —   | 3.5   |   |   |                    | PHP 3SPB140TB  |
|         |                   | 150                | 2           | 2517           | 157.0      | 16     | 60   | 63                | 107  | —    | 45  | 18.0 | —   | 4.0   |   |   |                    | PHP 3SPB150TB  |
|         |                   | 160                | 2           | 2517           | 167.0      | 16     | 60   | 63                | 117  | —    | 45  | 18.0 | —   | 4.9   |   |   |                    | PHP 3SPB160TB  |
|         |                   | 170                | 2           | 2517           | 177.0      | 16     | 60   | 63                | 127  | —    | 45  | 18.0 | —   | 5.7   |   |   |                    | PHP 3SPB170TB  |
|         |                   | 180                | 2           | 2517           | 187.0      | 16     | 60   | 63                | 137  | —    | 45  | 18.0 | —   | 6.7   |   |   |                    | PHP 3SPB180TB  |
|         |                   | 190                | 2           | 2517           | 197.0      | 16     | 60   | 63                | 147  | —    | 45  | 18.0 | —   | 7.6   |   |   |                    | PHP 3SPB190TB  |
|         |                   | 200                | 2           | 2517           | 207.0      | 16     | 60   | 63                | 157  | —    | 45  | 18.0 | —   | 8.9   |   |   |                    | PHP 3SPB200TB  |
|         |                   | 212                | 7           | 2517           | 219.0      | 16     | 60   | 63                | 169  | —    | 45  | 18.0 | 120 | 8.2   |   |   |                    | PHP 3SPB212TB  |
|         |                   | 224                | 4           | 2517           | 231.0      | 16     | 60   | 63                | 181  | —    | 45  | 18.0 | 120 | 9.1   |   |   |                    | PHP 3SPB224TB  |
|         |                   | 236                | 4           | 2517           | 243.0      | 16     | 60   | 63                | 193  | —    | 45  | 18.0 | 120 | 9.8   |   |   |                    | PHP 3SPB236TB  |
|         |                   | 250                | 4           | 3020           | 257.0      | 25     | 75   | 63                | 207  | —    | 51  | 12.0 | 150 | 11.2  |   |   |                    | PHP 3SPB250TB  |
|         |                   | 265                | 5           | 3020           | 272        | 25     | 75   | 63                | 222  | —    | 51  | 12   | 144 | 10.25 |   |   |                    | PHP 3SPB265TB  |
|         |                   | 280                | 4           | 3020           | 287.0      | 25     | 75   | 63                | 237  | 6.0  | 51  | 6.0  | 150 | 12.0  |   |   |                    | PHP 3SPB280TB  |
|         |                   | 290                | 5           | 3020           | 297        | 25     | 75   | 63                | 247  | 6    | 51  | 6    | 144 | 11.34 |   |   |                    | PHP 3SPB290TB  |
|         |                   | 300                | 4           | 3020           | 307.0      | 25     | 75   | 63                | 257  | 6.0  | 51  | 6.0  | 150 | 13.5  |   |   |                    | PHP 3SPB300TB  |
|         |                   | 315                | 4           | 3020           | 322.0      | 25     | 75   | 63                | 272  | 6.0  | 51  | 6.0  | 150 | 14.2  |   |   |                    | PHP 3SPB315TB  |
|         |                   | 335                | 4           | 3020           | 342.0      | 25     | 75   | 63                | 292  | 6.0  | 51  | 6.0  | 150 | 16.0  |   |   |                    | PHP 3SPB335TB  |
|         |                   | 355                | 4           | 3020           | 362.0      | 25     | 75   | 63                | 312  | 6.0  | 51  | 6.0  | 150 | 17.7  |   |   |                    | PHP 3SPB355TB  |
|         |                   | 375                | 4           | 3535           | 382        | 35     | 90   | 63                | 332  | 13   | 89  | 13   | 175 | 20.17 |   |   |                    | PHP 3SPB375TB  |
|         |                   | 400                | 4           | 3535           | 407.0      | 35     | 90   | 63                | 357  | 13.0 | 89  | 13.0 | 170 | 25.0  |   |   |                    | PHP 3SPB400TB  |
|         |                   | 425                | 4           | 3535           | 432        | 35     | 90   | 63                | 382  | —    | 89  | 26   | 175 | 23.07 |   |   |                    | PHP 3SPB425TB  |
|         |                   | 450                | 4           | 3535           | 457.0      | 35     | 90   | 63                | 407  | —    | 89  | 26.0 | 170 | 26.3  |   |   |                    | PHP 3SPB450TB  |
|         |                   | 475                | 4           | 3535           | 482        | 35     | 90   | 63                | 432  | —    | 89  | 26   | 175 | 25.2  |   |   |                    | PHP 3SPB475TB  |
|         |                   | 500                | 4           | 3535           | 507.0      | 35     | 90   | 63                | 457  | —    | 89  | 26.0 | 170 | 29.9  |   |   |                    | PHP 3SPB500TB  |
|         |                   | 530                | 4           | 3535           | 537        | 35     | 90   | 63                | 487  | —    | 89  | 26   | 175 | 29    |   |   |                    | PHP 3SPB530TB  |
|         |                   | 560                | 4           | 3535           | 567.0      | 35     | 90   | 63                | 517  | —    | 89  | 26.0 | 170 | 37.2  |   |   |                    | PHP 3SPB560TB  |
|         |                   | 600                | 4           | 3535           | 607        | 35     | 90   | 63                | 557  | —    | 89  | 26   | 175 | 35    |   |   |                    | PHP 3SPB600TB  |
|         |                   | 630                | 4           | 3535           | 637.0      | 35     | 90   | 63                | 587  | —    | 89  | 26.0 | 170 | 41.0  |   |   |                    | PHP 3SPB630TB  |
|         |                   | 710                | 4           | 3535           | 717.0      | 35     | 90   | 63                | 664  | 13.0 | 89  | 13.0 | 170 | 48.0  |   |   |                    | PHP 3SPB710TB  |
|         |                   | 800                | 4           | 3535           | 807.0      | 35     | 90   | 63                | 754  | 13.0 | 89  | 13.0 | 170 | 55.0  |   |   |                    | PHP 3SPB800TB  |
|         |                   | 900                | 4           | 3535           | 907.0      | 35     | 90   | 63                | 854  | 13.0 | 89  | 13.0 | 170 | 64.1  |   |   |                    | PHP 3SPB900TB  |
|         |                   | 1000               | 4           | 4040           | 1007.0     | 40     | 100  | 63                | 954  | 20.0 | 102 | 20.0 | 210 | 72.0  |   |   |                    | PHP 3SPB1000TB |
|         |                   | 1120               | 4           | 4040           | 1127       | 40     | 100  | 63                | 1074 | 19.5 | 102 | 19.5 | 210 | 71    |   |   |                    | PHP 3SPB1120TB |
|         |                   | 1250               | 4           | 4040           | 1257.0     | 40     | 100  | 63                | 1204 | 20.0 | 102 | 20.0 | 210 | 140.0 |   |   |                    | PHP 3SPB1250TB |
| SPB     | 4                 | 90                 | 8           | 1210           | 97         | 11     | 32   | 82                | 50   | 57   | 25  | —    | —   | 1.82  |   |   |                    | PHP 4SPB90TB   |
|         |                   | 100                | 3           | 1610           | 107.0      | 14     | 42   | 82                | 58   | 29.0 | 25  | 29.0 | —   | 2.4   |   |   |                    | PHP 4SPB100TB  |
|         |                   | 106                | 3           | 1610           | 113.0      | 14     | 42   | 82                | 65   | 29.0 | 25  | 29.0 | —   | 2.3   |   |   |                    | PHP 4SPB106TB  |
|         |                   | 112                | 3           | 1610           | 119.0      | 14     | 42   | 82                | 65   | 29.0 | 25  | 29.0 | —   | 2.8   |   |   |                    | PHP 4SPB112TB  |
|         |                   | 118                | 3           | 1610           | 125.0      | 14     | 42   | 82                | 71   | 29.0 | 25  | 29.0 | —   | 3.3   |   |   |                    | PHP 4SPB118TB  |
|         |                   | 125                | 3           | 2012           | 132.0      | 14     | 50   | 82                | 82   | 25.0 | 32  | 25.0 | —   | 3.0   |   |   |                    | PHP 4SPB125TB  |
|         |                   | 132                | 3           | 2012           | 139.0      | 14     | 50   | 82                | 89   | 25.0 | 32  | 25.0 | —   | 3.8   |   |   |                    | PHP 4SPB132TB  |
|         |                   | 140                | 3           | 2517           | 147.0      | 16     | 60   | 82                | 97   | 18.5 | 45  | 18.5 | —   | 4.0   |   |   |                    | PHP 4SPB140TB  |
|         |                   | 150                | 3           | 2517           | 157.0      | 16     | 60   | 82                | 107  | 18.5 | 45  | 18.5 | —   | 4.9   |   |   |                    | PHP 4SPB150TB  |
|         |                   | 160                | 3           | 2517           | 167.0      | 16     | 60   | 82                | 117  | 18.5 | 45  | 18.5 | —   | 5.8   |   |   |                    | PHP 4SPB160TB  |
|         |                   | 170                | 3           | 2517           | 177.0      | 16     | 60   | 82                | 127  | 18.5 | 45  | 18.5 | —   | 6.6   |   |   |                    | PHP 4SPB170TB  |
|         |                   | 180                | 3           | 2517           | 187.0      | 16     | 60   | 82                | 137  | 18.5 | 45  | 18.5 | —   | 7.7   |   |   |                    | PHP 4SPB180TB  |
|         |                   | 190                | 3           | 2517           | 197.0      | 16     | 60   | 82                | 147  | 18.5 | 45  | 18.5 | —   | 8.6   |   |   |                    | PHP 4SPB190TB  |
|         |                   | 200                | 3           | 3020           | 207.0      | 25     | 75   | 82                | 157  | 15.5 | 51  | 15.5 | —   | 9.3   |   |   |                    | PHP 4SPB200TB  |
|         |                   | 212                | 3           | 3020           | 219.0      | 25     | 75   | 82                | 169  | 15.5 | 51  | 15.5 | —   | 10.9  |   |   |                    | PHP 4SPB212TB  |
|         |                   | 224                | 3           | 3020           | 231.0      | 25     | 75   | 82                | 181  | 15.5 | 51  | 15.5 | —   | 12.4  |   |   |                    | PHP 4SPB224TB  |
|         |                   | 236                | 3           | 3020           | 243.0      | 25     | 75   | 82                | 193  | 15.5 | 51  | 15.5 | —   | 14.1  |   |   |                    | PHP 4SPB236TB  |
|         |                   | 250                | 5           | 3020           | 257.0      | 25     | 75   | 82                | 207  | 15.5 | 51  | 15.5 | 150 | 12.7  |   |   |                    | PHP 4SPB250TB  |
|         |                   | 265                | 5           | 3020           | 272        | 25     | 75   | 82                | 222  | 15.5 | 51  | 15.5 | 144 | 12.2  |   |   |                    | PHP 4SPB265TB  |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

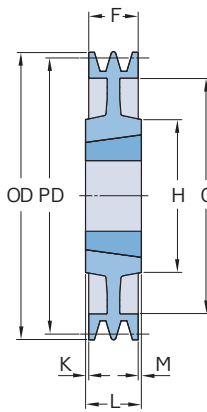
Wedge belt pulleys  
SPB taper bushed



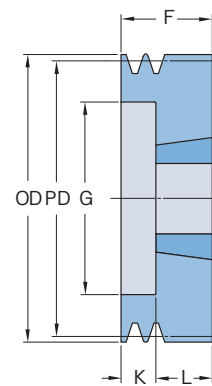
Type 6



Type 7



Type 8

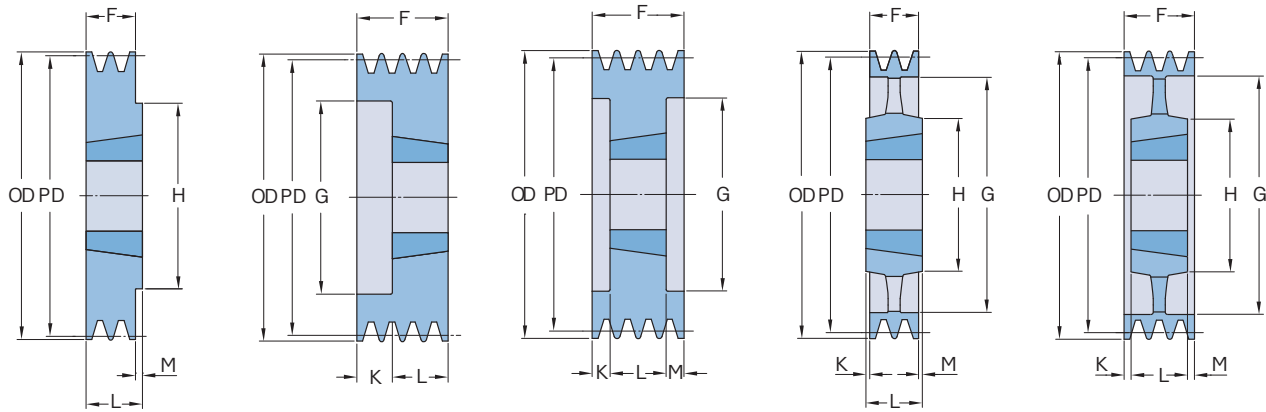


Type 9

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |        | Outer diameter OD |     | F     | G    | K   | L    | M   | H     | Mass <sup>1)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|------------|--------|-------------------|-----|-------|------|-----|------|-----|-------|--------------------|-----------------|
|         |                   | mm                 |             |                | mm         | B Min. | Max.              |     |       |      |     |      |     |       | kg                 |                 |
| SPB     | 4                 | 280                | 5           | 3020           | 287.0      | 25     | 75                | 82  | 237   | 15.5 | 51  | 15.5 | 150 | 13.8  |                    | PHP 4SPB280TB   |
|         |                   | 290                | 5           | 3020           | 297        | 25     | 75                | 82  | 247   | 15.5 | 51  | 15.5 | 144 | 13.32 |                    | PHP 4SPB290TB   |
|         |                   | 300                | 4           | 3535           | 307.0      | 35     | 90                | 82  | 257   | -    | 89  | 7.0  | 150 | 20.5  |                    | PHP 4SPB300TB   |
|         |                   | 315                | 4           | 3535           | 322.0      | 35     | 90                | 82  | 272   | 3.5  | 89  | 3.5  | 170 | 20.6  |                    | PHP 4SPB315TB   |
|         |                   | 335                | 4           | 3535           | 342.0      | 35     | 90                | 82  | 292   | 3.5  | 89  | 3.5  | 170 | 22.0  |                    | PHP 4SPB335TB   |
|         |                   | 355                | 4           | 3535           | 362.0      | 35     | 90                | 82  | 312   | 3.5  | 89  | 3.5  | 170 | 23.2  |                    | PHP 4SPB355TB   |
|         |                   | 375                | 4           | 3535           | 382        | 35     | 90                | 82  | 332   | 3.5  | 89  | 3.5  | 175 | 23.05 |                    | PHP 4SPB375TB   |
|         |                   | 400                | 4           | 3535           | 407.0      | 35     | 90                | 82  | 357   | 3.5  | 89  | 3.5  | 170 | 26.5  |                    | PHP 4SPB400TB   |
|         |                   | 425                | 4           | 3535           | 432        | 35     | 90                | 82  | 382   | -    | 89  | 7    | 175 | 26.26 |                    | PHP 4SPB425TB   |
|         |                   | 450                | 4           | 3535           | 457.0      | 35     | 90                | 82  | 407   | -    | 89  | 7.0  | 170 | 29.7  |                    | PHP 4SPB450TB   |
|         |                   | 475                | 4           | 3535           | 482        | 35     | 90                | 82  | 432   | -    | 89  | 7    | 175 | 29.74 |                    | PHP 4SPB475TB   |
|         |                   | 500                | 4           | 3535           | 507.0      | 35     | 90                | 82  | 457   | -    | 89  | 7.0  | 170 | 34.7  |                    | PHP 4SPB500TB   |
|         |                   | 530                | 4           | 3535           | 537        | 35     | 90                | 82  | 487   | -    | 89  | 7    | 175 | 31    |                    | PHP 4SPB530TB   |
|         |                   | 560                | 4           | 3535           | 567.0      | 35     | 90                | 82  | 517   | -    | 89  | 7.0  | 170 | 39.0  |                    | PHP 4SPB560TB   |
|         |                   | 600                | 4           | 3535           | 607        | 35     | 90                | 82  | 557   | -    | 89  | 7    | 175 | 40.1  |                    | PHP 4SPB600TB   |
|         |                   | 630                | 4           | 3535           | 637.0      | 35     | 90                | 82  | 587   | -    | 89  | 7.0  | 170 | 44.5  |                    | PHP 4SPB630TB   |
|         |                   | 710                | 4           | 3535           | 717.0      | 35     | 90                | 82  | 664   | 3.5  | 89  | 3.5  | 187 | 50.5  |                    | PHP 4SPB710TB   |
|         |                   | 800                | 4           | 4040           | 807.0      | 40     | 100               | 82  | 754   | 10.0 | 102 | 10.0 | 200 | 60.5  |                    | PHP 4SPB800TB   |
|         |                   | 900                | 4           | 4040           | 907.0      | 40     | 100               | 82  | 854   | 10.0 | 102 | 10.0 | 216 | 70.0  |                    | PHP 4SPB900TB   |
|         |                   | 1 000              | 4           | 4040           | 1 007.0    | 40     | 100               | 82  | 954   | 10.0 | 102 | 10.0 | 216 | 76.5  |                    | PHP 4SPB1 000TB |
|         |                   | 1 120              | 4           | 4040           | 1 127      | 40     | 100               | 82  | 1 074 | 10   | 102 | 10   | 210 | 98.8  |                    | PHP 4SPB1 120TB |
|         |                   | 1 250              | 4           | 4545           | 1 257.0    | 55     | 110               | 82  | 1 204 | 16.0 | 114 | 16.0 | 225 | 162.0 |                    | PHP 4SPB1 250TB |
| SPB     | 5                 | 100                | 8           | 1615           | 107        | 14     | 42                | 101 | 60    | 63   | 38  | -    | -   | 2.8   |                    | PHP 5SPB100TB   |
|         |                   | 118                | 8           | 1615           | 125        | 14     | 42                | 101 | 78    | 63   | 38  | -    | -   | 3.88  |                    | PHP 5SPB118TB   |
|         |                   | 125                | 6           | 2012           | 132.0      | 14     | 50                | 101 | 87    | 69.0 | 32  | -    | -   | 3.6   |                    | PHP 5SPB125TB   |
|         |                   | 132                | 6           | 2517           | 139.0      | 16     | 60                | 101 | 94    | 56.0 | 45  | -    | -   | 3.8   |                    | PHP 5SPB132TB   |
|         |                   | 140                | 3           | 2517           | 147.0      | 16     | 60                | 101 | 97    | 28.0 | 45  | 28.0 | -   | 4.2   |                    | PHP 5SPB140TB   |
|         |                   | 150                | 3           | 2517           | 157.0      | 16     | 60                | 101 | 107   | 28.0 | 45  | 28.0 | -   | 5.7   |                    | PHP 5SPB150TB   |
|         |                   | 160                | 3           | 2517           | 167.0      | 16     | 60                | 101 | 117   | 28.0 | 45  | 28.0 | -   | 6.7   |                    | PHP 5SPB160TB   |
|         |                   | 170                | 3           | 3020           | 177.0      | 25     | 75                | 101 | 127   | 25.0 | 51  | 25.0 | -   | 6.7   |                    | PHP 5SPB170TB   |
|         |                   | 180                | 3           | 3020           | 187.0      | 25     | 75                | 101 | 137   | 25.0 | 51  | 25.0 | -   | 7.8   |                    | PHP 5SPB180TB   |
|         |                   | 190                | 3           | 3020           | 197.0      | 25     | 75                | 101 | 147   | 25.0 | 51  | 25.0 | -   | 9.1   |                    | PHP 5SPB190TB   |
|         |                   | 200                | 3           | 3020           | 207.0      | 25     | 75                | 101 | 157   | 25.0 | 51  | 25.0 | -   | 10.3  |                    | PHP 5SPB200TB   |
|         |                   | 212                | 3           | 3020           | 219.0      | 25     | 75                | 101 | 169   | 25.0 | 51  | 25.0 | -   | 12.2  |                    | PHP 5SPB212TB   |
|         |                   | 224                | 3           | 3020           | 231.0      | 25     | 75                | 101 | 181   | 25.0 | 51  | 25.0 | -   | 13.7  |                    | PHP 5SPB224TB   |
|         |                   | 236                | 3           | 3535           | 243.0      | 35     | 90                | 101 | 193   | 6.0  | 89  | 6.0  | -   | 15.9  |                    | PHP 5SPB236TB   |
|         |                   | 250                | 3           | 3535           | 257.0      | 35     | 90                | 101 | 207   | 6.0  | 89  | 6.0  | -   | 18.6  |                    | PHP 5SPB250TB   |
|         |                   | 265                | 6           | 3535           | 272        | 35     | 90                | 101 | 222   | 6    | 89  | 6    | 175 | 21.77 |                    | PHP 5SPB265TB   |
|         |                   | 280                | 7           | 3535           | 287.0      | 35     | 90                | 101 | 237   | 6.0  | 89  | 6.0  | 170 | 21.4  |                    | PHP 5SPB280TB   |
|         |                   | 300                | 5           | 3535           | 307.0      | 35     | 90                | 101 | 257   | 6.0  | 89  | 6.0  | 170 | 22.5  |                    | PHP 5SPB300TB   |
|         |                   | 315                | 5           | 3535           | 322.0      | 35     | 90                | 101 | 272   | 6.0  | 89  | 6.0  | 170 | 22.3  |                    | PHP 5SPB315TB   |
|         |                   | 335                | 5           | 3535           | 342.0      | 35     | 90                | 101 | 292   | 6.0  | 89  | 6.0  | 170 | 24.0  |                    | PHP 5SPB335TB   |
|         |                   | 355                | 4           | 3535           | 362.0      | 35     | 90                | 101 | 312   | 6.0  | 89  | 6.0  | 170 | 25.5  |                    | PHP 5SPB355TB   |
|         |                   | 375                | 5           | 3535           | 382        | 35     | 90                | 101 | 332   | 6    | 89  | 6    | 175 | 24.36 |                    | PHP 5SPB375TB   |
|         |                   | 400                | 5           | 3535           | 407.0      | 35     | 90                | 101 | 357   | 6.0  | 89  | 6.0  | 170 | 30.2  |                    | PHP 5SPB400TB   |
|         |                   | 425                | 5           | 3535           | 432        | 35     | 90                | 101 | 382   | 6    | 89  | 6    | 175 | 29.4  |                    | PHP 5SPB425TB   |
|         |                   | 450                | 5           | 3535           | 457.0      | 35     | 90                | 101 | 407   | -    | 89  | 12.0 | 170 | 32.8  |                    | PHP 5SPB450TB   |
|         |                   | 475                | 5           | 3535           | 482        | 35     | 90                | 101 | 432   | -    | 89  | 12   | 175 | 32.69 |                    | PHP 5SPB475TB   |
|         |                   | 500                | 5           | 3535           | 507.0      | 35     | 90                | 101 | 457   | -    | 89  | 12.0 | 170 | 36.7  |                    | PHP 5SPB500TB   |
|         |                   | 530                | 5           | 3535           | 537.0      | 35     | 90                | 101 | 487   | -    | 89  | 12.0 | 170 | 39.2  |                    | PHP 5SPB530TB   |
|         |                   | 560                | 4           | 4040           | 567.0      | 40     | 100               | 101 | 517   | -    | 102 | 1.0  | 200 | 45.6  |                    | PHP 5SPB560TB   |
|         |                   | 600                | 4           | 4040           | 607        | 40     | 100               | 101 | 557   | -    | 102 | 1    | 210 | 47.6  |                    | PHP 5SPB600TB   |
|         |                   | 630                | 4           | 4040           | 637.0      | 40     | 100               | 101 | 587   | -    | 102 | 1.0  | 200 | 50.0  |                    | PHP 5SPB630TB   |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

Wedge belt pulleys  
SPB taper bushed



Type 1

Type 2

Type 3

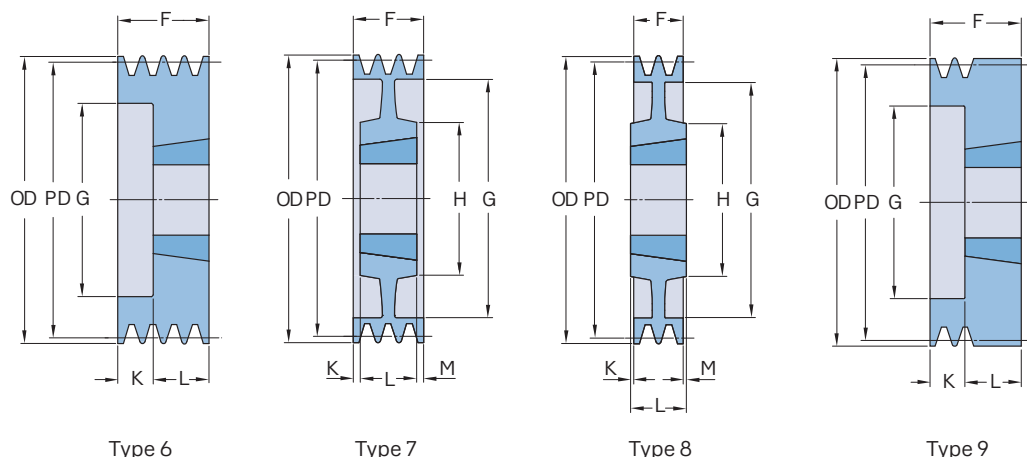
Type 4

Type 5

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |        | Outer diameter OD |     | F    | G    | K   | L    | M   | H      | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|------------|--------|-------------------|-----|------|------|-----|------|-----|--------|--------------------|----------------|
|         |                   | mm                 |             |                | mm         | B Min. | Max.              |     |      |      |     |      |     |        | kg                 |                |
| SPB     | 5                 | 710                | 4           | 4040           | 717.0      | 40     | 100               | 101 | 664  | —    | 102 | 1.0  | 200 | 63.5   |                    | PHP 5SPB710TB  |
|         |                   | 800                | 4           | 4040           | 807.0      | 40     | 100               | 101 | 754  | —    | 102 | 1.0  | 200 | 67.0   |                    | PHP 5SPB800TB  |
|         |                   | 900                | 4           | 4040           | 907.0      | 40     | 100               | 101 | 854  | —    | 114 | 1.0  | 200 | 103.0  |                    | PHP 5SPB900TB  |
|         |                   | 1000               | 4           | 4545           | 1007.0     | 55     | 110               | 101 | 954  | 6.5  | 114 | 6.5  | 225 | 110.0  |                    | PHP 5SPB1000TB |
|         |                   | 1120               | 4           | 4545           | 1127       | 55     | 110               | 101 | 1074 | 6.5  | 114 | 6.5  | 242 | 101.31 |                    | PHP 5SPB1120TB |
|         |                   | 1250               | 4           | 4545           | 1257.0     | 55     | 110               | 101 | 1204 | 6.5  | 114 | 6.5  | 225 | 180.0  |                    | PHP 5SPB1250TB |
|         |                   | 1400               | 4           | 5040           | 1407       | 50     | 125               | 101 | 1354 | 0.5  | 102 | 0.5  | 267 | 153    |                    | PHP 5SPB1400TB |
|         |                   | 150                | 3           | 2517           | 157.0      | 16     | 60                | 120 | 107  | 37.5 | 45  | 37.5 | —   | 6.5    |                    | PHP 6SPB150TB  |
|         |                   | 160                | 3           | 3020           | 167.0      | 25     | 75                | 120 | 117  | 34.5 | 51  | 34.5 | —   | 5.9    |                    | PHP 6SPB160TB  |
|         |                   | 170                | 3           | 3020           | 177.0      | 25     | 75                | 120 | 127  | 34.5 | 51  | 34.5 | —   | 7.6    |                    | PHP 6SPB170TB  |
| SPB     | 6                 | 180                | 3           | 3020           | 187.0      | 25     | 75                | 120 | 137  | 34.5 | 51  | 34.5 | —   | 8.9    |                    | PHP 6SPB180TB  |
|         |                   | 190                | 3           | 3020           | 197.0      | 25     | 75                | 120 | 147  | 34.5 | 51  | 34.5 | —   | 10.2   |                    | PHP 6SPB190TB  |
|         |                   | 200                | 3           | 3020           | 207.0      | 25     | 75                | 120 | 157  | 34.5 | 51  | 34.5 | —   | 11.7   |                    | PHP 6SPB200TB  |
|         |                   | 212                | 3           | 3535           | 219.0      | 35     | 90                | 120 | 169  | 15.5 | 89  | 15.5 | —   | 13.2   |                    | PHP 6SPB212TB  |
|         |                   | 224                | 3           | 3535           | 231.0      | 35     | 90                | 120 | 181  | 15.5 | 89  | 15.5 | —   | 15.2   |                    | PHP 6SPB224TB  |
|         |                   | 236                | 3           | 3535           | 243.0      | 35     | 90                | 120 | 193  | 15.5 | 89  | 15.5 | —   | 17.6   |                    | PHP 6SPB236TB  |
|         |                   | 250                | 3           | 3535           | 257.0      | 35     | 90                | 120 | 207  | 15.5 | 89  | 15.5 | —   | 20.2   |                    | PHP 6SPB250TB  |
|         |                   | 265                | 6           | 3535           | 272        | 35     | 90                | 120 | 222  | 15.5 | 89  | 15.5 | 175 | 23.65  |                    | PHP 6SPB265TB  |
|         |                   | 280                | 7           | 3535           | 287.0      | 35     | 90                | 120 | 237  | 15.5 | 89  | 15.5 | 191 | 23.5   |                    | PHP 6SPB280TB  |
|         |                   | 300                | 5           | 3535           | 307.0      | 35     | 90                | 120 | 257  | 15.5 | 89  | 15.5 | 191 | 24.0   |                    | PHP 6SPB300TB  |
|         |                   | 315                | 5           | 3535           | 322.0      | 35     | 90                | 120 | 272  | 15.5 | 89  | 15.5 | 191 | 24.1   |                    | PHP 6SPB315TB  |
|         |                   | 335                | 5           | 3535           | 342.0      | 35     | 90                | 120 | 292  | 15.5 | 89  | 15.5 | 191 | 26.0   |                    | PHP 6SPB335TB  |
|         |                   | 355                | 5           | 3535           | 362.0      | 35     | 90                | 120 | 312  | 15.5 | 89  | 15.5 | 191 | 28.3   |                    | PHP 6SPB355TB  |
|         |                   | 375                | 5           | 3535           | 382        | 35     | 90                | 120 | 332  | 15.5 | 89  | 15.5 | 175 | 28.4   |                    | PHP 6SPB375TB  |
|         |                   | 400                | 5           | 3535           | 407.0      | 35     | 90                | 120 | 357  | 15.5 | 89  | 15.5 | 191 | 31.8   |                    | PHP 6SPB400TB  |
|         |                   | 425                | 5           | 3535           | 432        | 35     | 90                | 120 | 382  | 15.5 | 89  | 15.5 | 175 | 31.9   |                    | PHP 6SPB425TB  |
|         |                   | 450                | 5           | 4040           | 457.0      | 40     | 100               | 120 | 407  | —    | 102 | 18.0 | 191 | 35.3   |                    | PHP 6SPB450TB  |
|         |                   | 475                | 5           | 4040           | 482        | 40     | 100               | 120 | 432  | —    | 102 | 18   | 210 | 40.3   |                    | PHP 6SPB475TB  |
|         |                   | 500                | 5           | 4040           | 507.0      | 40     | 100               | 120 | 457  | —    | 102 | 18.0 | 191 | 40.7   |                    | PHP 6SPB500TB  |
|         |                   | 530                | 5           | 4040           | 537        | 40     | 100               | 120 | 487  | —    | 102 | 18   | 210 | 46.15  |                    | PHP 6SPB530TB  |
|         |                   | 560                | 5           | 4040           | 567.0      | 40     | 100               | 120 | 517  | —    | 102 | 18.0 | 191 | 49.2   |                    | PHP 6SPB560TB  |
|         |                   | 630                | 5           | 4040           | 637.0      | 40     | 100               | 120 | 587  | —    | 102 | 18.0 | 191 | 53.5   |                    | PHP 6SPB630TB  |
|         |                   | 710                | 5           | 4040           | 717.0      | 40     | 100               | 120 | 664  | 9.0  | 102 | 9.0  | 240 | 69.0   |                    | PHP 6SPB710TB  |
|         |                   | 800                | 5           | 4545           | 807.0      | 55     | 110               | 120 | 754  | 3.0  | 114 | 3.0  | 240 | 84.5   |                    | PHP 6SPB800TB  |
|         |                   | 900                | 5           | 4545           | 907.0      | 55     | 110               | 120 | 854  | 3.0  | 114 | 3.0  | 240 | 94.5   |                    | PHP 6SPB900TB  |
|         |                   | 1000               | 5           | 4545           | 1007.0     | 55     | 110               | 120 | 954  | 3.0  | 114 | 3.0  | 240 | 104.0  |                    | PHP 6SPB1000TB |
|         |                   | 1250               | 5           | 4545           | 1257.0     | 55     | 110               | 120 | 1204 | 3.0  | 127 | 3.0  | 240 | 210.0  |                    | PHP 6SPB1250TB |
|         |                   | 1400               | 4           | 5050           | 1407       | 50     | 125               | 120 | 1354 | 3.5  | 127 | 3.5  | 267 | 146.07 |                    | PHP 6SPB1400TB |
| SPB     | 8                 | 140                | 3           | 2517           | 147.0      | 16     | 60                | 158 | 97   | 56.5 | 45  | 56.5 | —   | 6.8    |                    | PHP 8SPB140TB  |
|         |                   | 150                | 3           | 2517           | 157        | 16     | 60                | 158 | 107  | 56.5 | 45  | 56.5 | —   | 7.97   |                    | PHP 8SPB150TB  |
|         |                   | 160                | 3           | 3020           | 167.0      | 25     | 75                | 158 | 117  | 53.5 | 51  | 53.5 | —   | 8.3    |                    | PHP 8SPB160TB  |
|         |                   | 170                | 3           | 3030           | 177.0      | 35     | 75                | 158 | 127  | 41.0 | 76  | 41.0 | —   | 9.5    |                    | PHP 8SPB170TB  |
|         |                   | 180                | 3           | 3030           | 187.0      | 35     | 75                | 158 | 137  | 41.0 | 76  | 41.0 | —   | 10.8   |                    | PHP 8SPB180TB  |
|         |                   | 190                | 3           | 3030           | 197.0      | 35     | 75                | 158 | 147  | 41.0 | 76  | 41.0 | —   | 12.3   |                    | PHP 8SPB190TB  |
|         |                   | 200                | 3           | 3535           | 207.0      | 35     | 90                | 158 | 157  | 34.5 | 89  | 34.5 | —   | 13.7   |                    | PHP 8SPB200TB  |
|         |                   | 212                | 3           | 3535           | 219.0      | 35     | 90                | 158 | 169  | 34.5 | 89  | 34.5 | —   | 15.8   |                    | PHP 8SPB212TB  |
|         |                   | 224                | 3           | 3535           | 231.0      | 35     | 90                | 158 | 181  | 34.5 | 89  | 34.5 | —   | 17.9   |                    | PHP 8SPB224TB  |
|         |                   | 236                | 3           | 3535           | 243.0      | 35     | 90                | 158 | 193  | 34.5 | 89  | 34.5 | —   | 20.0   |                    | PHP 8SPB236TB  |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

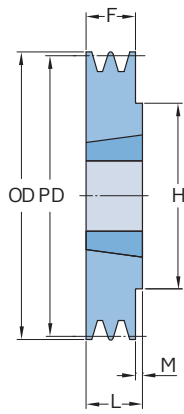
**Wedge belt pulleys**  
SPB taper bushed | SPC taper bushed



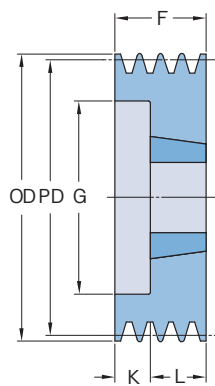
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        | Mass <sup>1)</sup> |     |       |      |     |      |     |       | Designation     |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|--------------------|-----|-------|------|-----|------|-----|-------|-----------------|
|         |                   |                    |             |                | Outer diameter OD | B Min. | Max.               | F   | G     | K    | L   | M    | H   | kg    |                 |
| <hr/>   |                   |                    |             |                |                   |        |                    |     |       |      |     |      |     |       |                 |
| SPB     | 8                 | 250                | 3           | 3535           | 257.0             | 35     | 90                 | 158 | 207   | 34.5 | 89  | 34.5 | —   | 23.2  | PHP 8SPB250TB   |
|         |                   | 265                | 6           | 3535           | 272               | 35     | 90                 | 158 | 222   | 34.5 | 89  | 34.5 | 175 | 24.25 | PHP 8SPB265TB   |
|         |                   | 280                | 7           | 3535           | 287.0             | 35     | 90                 | 158 | 237   | 34.5 | 89  | 34.5 | —   | 26.6  | PHP 8SPB280TB   |
|         |                   | 300                | 7           | 3535           | 307.0             | 35     | 90                 | 158 | 257   | 34.5 | 89  | 34.5 | 170 | 27.3  | PHP 8SPB300TB   |
|         |                   | 315                | 7           | 3535           | 322.0             | 35     | 90                 | 158 | 272   | 34.5 | 89  | 34.5 | 170 | 28.0  | PHP 8SPB315TB   |
|         |                   | 335                | 7           | 3535           | 342.0             | 35     | 90                 | 158 | 292   | 34.5 | 89  | 34.5 | 170 | 30.5  | PHP 8SPB335TB   |
|         |                   | 355                | 7           | 3535           | 362.0             | 35     | 90                 | 158 | 312   | 34.5 | 89  | 34.5 | 170 | 31.5  | PHP 8SPB355TB   |
|         |                   | 375                | 5           | 3535           | 382               | 35     | 90                 | 158 | 332   | 34.5 | 89  | 34.5 | 175 | 33.15 | PHP 8SPB375TB   |
|         |                   | 400                | 5           | 4040           | 407.0             | 40     | 100                | 158 | 357   | 28.0 | 102 | 28.0 | 200 | 43.0  | PHP 8SPB400TB   |
|         |                   | 425                | 5           | 4040           | 432               | 40     | 100                | 158 | 382   | 28   | 102 | 28   | 210 | 38.12 | PHP 8SPB425TB   |
|         |                   | 450                | 5           | 4040           | 457.0             | 40     | 100                | 158 | 407   | 28.0 | 102 | 28.0 | 200 | 46.0  | PHP 8SPB450TB   |
|         |                   | 500                | 5           | 4040           | 507.0             | 40     | 100                | 158 | 457   | 28.0 | 102 | 28.0 | 200 | 52.0  | PHP 8SPB500TB   |
|         |                   | 530                | 5           | 4040           | 537               | 40     | 100                | 158 | 487   | 28   | 102 | 28   | 210 | 53.04 | PHP 8SPB530TB   |
|         |                   | 560                | 5           | 4545           | 567.0             | 55     | 110                | 158 | 517   | 22.0 | 114 | 22.0 | 225 | 54.5  | PHP 8SPB560TB   |
|         |                   | 630                | 5           | 4545           | 637.0             | 55     | 110                | 158 | 587   | 22.0 | 114 | 22.0 | 225 | 67.0  | PHP 8SPB630TB   |
|         |                   | 710                | 5           | 4545           | 717.0             | 55     | 110                | 158 | 664   | 22.0 | 114 | 22.0 | 225 | 75.5  | PHP 8SPB710TB   |
|         |                   | 800                | 5           | 4545           | 807.0             | 55     | 110                | 158 | 754   | 22.0 | 114 | 22.0 | 225 | 94.5  | PHP 8SPB800TB   |
|         |                   | 900                | 5           | 4545           | 907.0             | 55     | 110                | 158 | 854   | 22.0 | 114 | 22.0 | 225 | 113.5 | PHP 8SPB900TB   |
|         |                   | 1 000              | 5           | 5050           | 1 007.0           | 70     | 125                | 158 | 954   | 15.5 | 127 | 15.5 | 245 | 121.5 | PHP 8SPB1000TB  |
|         |                   | 1 120              | 5           | 5050           | 1 127             | 50     | 125                | 158 | 1 074 | 15.5 | 127 | 15.5 | 267 | 145   | PHP 8SPB1120TB  |
|         |                   | 1 250              | 5           | 5050           | 1 257.0           | 70     | 125                | 158 | 1 204 | 15.5 | 127 | 15.5 | 245 | 242.0 | PHP 8SPB1250TB  |
|         |                   | 1 400              | 5           | 5050           | 1 407             | 50     | 125                | 158 | 1 354 | 15.5 | 127 | 15.5 | 267 | 195   | PHP 8SPB1400TB  |
| SPB     | 10                | 160                | 3           | 3030           | 167               | 25     | 75                 | 196 | 119   | 60   | 76  | 60   | —   | 9.82  | PHP 10SPB160TB  |
|         |                   | 170                | 3           | 3030           | 177               | 25     | 75                 | 196 | 127   | 60   | 76  | 60   | —   | 11.88 | PHP 10SPB170TB  |
|         |                   | 180                | 3           | 3030           | 187               | 25     | 75                 | 196 | 137   | 60   | 76  | 60   | —   | 13.65 | PHP 10SPB180TB  |
|         |                   | 190                | 3           | 3030           | 197               | 25     | 75                 | 196 | 147   | 60   | 76  | 60   | —   | 15    | PHP 10SPB190TB  |
|         |                   | 200                | 3           | 3535           | 207               | 35     | 90                 | 196 | 157   | 53.5 | 89  | 53.5 | —   | 17.05 | PHP 10SPB200TB  |
|         |                   | 212                | 3           | 3535           | 219               | 35     | 90                 | 196 | 169   | 53.5 | 89  | 53.5 | —   | 19.96 | PHP 10SPB212TB  |
|         |                   | 224                | 3           | 3535           | 231.0             | 35     | 90                 | 196 | 181   | 53.5 | 89  | 53.5 | —   | 20.5  | PHP 10SPB224TB  |
|         |                   | 236                | 3           | 3535           | 243.0             | 35     | 90                 | 196 | 193   | 53.5 | 89  | 53.5 | —   | 22.6  | PHP 10SPB236TB  |
|         |                   | 250                | 3           | 3535           | 257.0             | 35     | 90                 | 196 | 207   | 53.5 | 89  | 53.5 | —   | 26.6  | PHP 10SPB250TB  |
|         |                   | 265                | 6           | 3535           | 272               | 35     | 90                 | 196 | 222   | 53.5 | 89  | 53.5 | 175 | 27.6  | PHP 10SPB265TB  |
|         |                   | 280                | 6           | 3535           | 287.0             | 35     | 90                 | 196 | 237   | 53.5 | 89  | 53.5 | —   | 27.8  | PHP 10SPB280TB  |
|         |                   | 300                | 6           | 3535           | 307               | 35     | 90                 | 196 | 257   | 53.5 | 89  | 53.5 | 175 | 32.97 | PHP 10SPB300TB  |
|         |                   | 315                | 7           | 3535           | 322.0             | 35     | 90                 | 196 | 272   | 53.5 | 89  | 53.5 | 170 | 28.8  | PHP 10SPB315TB  |
|         |                   | 335                | 5           | 4040           | 342.0             | 40     | 100                | 196 | 292   | 47.0 | 102 | 47.0 | 200 | 32.0  | PHP 10SPB335TB  |
|         |                   | 355                | 5           | 4040           | 362.0             | 40     | 100                | 196 | 312   | 47.0 | 102 | 47.0 | 200 | 33.5  | PHP 10SPB355TB  |
|         |                   | 375                | 5           | 4040           | 382               | 40     | 100                | 196 | 332   | 47   | 102 | 47   | 210 | 44.5  | PHP 10SPB375TB  |
|         |                   | 400                | 5           | 4040           | 407.0             | 40     | 100                | 196 | 357   | 47.0 | 102 | 47.0 | 200 | 36.0  | PHP 10SPB400TB  |
|         |                   | 450                | 5           | 4545           | 457.0             | 55     | 110                | 196 | 407   | 41.0 | 114 | 41.0 | 225 | 47.0  | PHP 10SPB450TB  |
|         |                   | 500                | 5           | 4545           | 507.0             | 55     | 110                | 196 | 457   | 41.0 | 114 | 41.0 | 225 | 55.0  | PHP 10SPB500TB  |
|         |                   | 560                | 5           | 4545           | 567.0             | 55     | 110                | 196 | 517   | 41.0 | 114 | 41.0 | 225 | 59.0  | PHP 10SPB560TB  |
|         |                   | 630                | 5           | 4545           | 637.0             | 55     | 110                | 196 | 587   | 41.0 | 114 | 41.0 | 225 | 66.0  | PHP 10SPB630TB  |
|         |                   | 710                | 5           | 4545           | 717.0             | 55     | 125                | 196 | 664   | 41.0 | 114 | 41.0 | 225 | 75.0  | PHP 10SPB710TB  |
|         |                   | 800                | 5           | 4545           | 807.0             | 55     | 125                | 196 | 754   | 41.0 | 114 | 41.0 | 225 | 96.0  | PHP 10SPB800TB  |
|         |                   | 900                | 5           | 5050           | 907.0             | 70     | 125                | 196 | 854   | 34.5 | 127 | 34.5 | 245 | 119.0 | PHP 10SPB900TB  |
|         |                   | 1 000              | 5           | 5050           | 1 007.0           | 70     | 125                | 196 | 954   | 34.5 | 127 | 34.5 | 245 | 141.0 | PHP 10SPB1000TB |
|         |                   | 1 250              | 5           | 5050           | 1 257.0           | 70     | 125                | 196 | 1 203 | 35.0 | 127 | —    | —   | 265.0 | PHP 10SPB1250TB |
| SPC     | 3                 | 140                | 3           | 2012           | 149               | 14     | 50                 | 85  | 84    | 26.5 | 32  | 26.5 | —   | 4.67  | PHP 3SPC140TB   |
|         |                   | 150                | 3           | 2012           | 159               | 14     | 50                 | 85  | 94    | 26.5 | 32  | 26.5 | —   | 5.33  | PHP 3SPC150TB   |
|         |                   | 160                | 3           | 2517           | 169               | 16     | 60                 | 85  | 104   | 20   | 45  | 20   | —   | 6.1   | PHP 3SPC160TB   |
|         |                   | 170                | 3           | 2517           | 179               | 16     | 60                 | 85  | 114   | 20   | 45  | 20   | —   | 6.9   | PHP 3SPC170TB   |
|         |                   | 180                | 3           | 2517           | 189               | 16     | 60                 | 85  | 124   | 20   | 45  | 20   | —   | 7.94  | PHP 3SPC180TB   |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

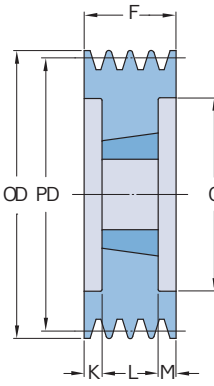
Wedge belt pulleys  
SPC taper bushed



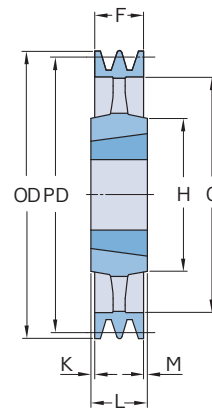
Type 1



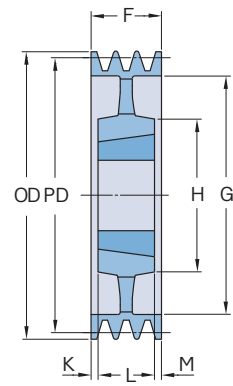
Type 2



Type 3



Type 4

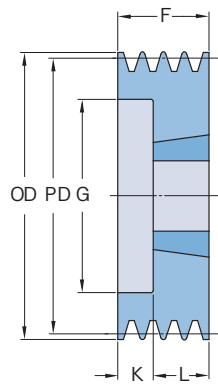


Type 5

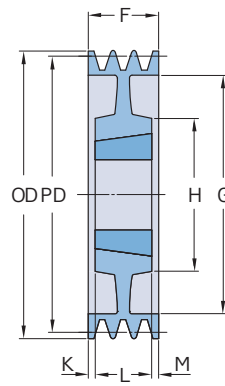
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |        | Outer diameter OD |     | F    | G    | K   | L    | M   | H     | Mass <sup>1)</sup> | Designation |
|---------|-------------------|--------------------|-------------|----------------|------------|--------|-------------------|-----|------|------|-----|------|-----|-------|--------------------|-------------|
|         |                   | mm                 |             |                | mm         | B Min. | Max.              |     |      |      |     |      |     |       | kg                 |             |
| SPC     | 3                 | 190                | 3           | 2517           | 199        | 16     | 60                | 85  | 134  | 20   | 45  | 20   | —   | 8.9   | PHP 3SPC190TB      |             |
|         |                   | 200                | 3           | 2517           | 209.6      | 16     | 60                | 85  | 150  | 20.0 | 45  | 20.0 | —   | 10.2  | PHP 3SPC200TB      |             |
|         |                   | 212                | 3           | 3020           | 221.6      | 25     | 75                | 85  | 162  | 17.0 | 51  | 17.0 | —   | 11.2  | PHP 3SPC212TB      |             |
|         |                   | 224                | 3           | 3020           | 233.6      | 25     | 75                | 85  | 173  | 17.0 | 51  | 17.0 | —   | 12.7  | PHP 3SPC224TB      |             |
|         |                   | 236                | 3           | 3020           | 245.6      | 25     | 75                | 85  | 185  | 17.0 | 51  | 17.0 | —   | 14.4  | PHP 3SPC236TB      |             |
|         |                   | 250                | 3           | 3020           | 259.6      | 25     | 75                | 85  | 194  | 17.0 | 51  | 17.0 | —   | 16.5  | PHP 3SPC250TB      |             |
|         |                   | 265                | 1           | 3535           | 274.6      | 35     | 90                | 85  | —    | —    | 89  | 4.0  | 170 | 19.7  | PHP 3SPC265TB      |             |
|         |                   | 280                | 1           | 3535           | 289.6      | 35     | 90                | 85  | —    | —    | 89  | 4.0  | 170 | 22.7  | PHP 3SPC280TB      |             |
|         |                   | 300                | 4           | 3535           | 309.6      | 35     | 90                | 85  | 249  | 2.0  | 89  | 2.0  | 170 | 22.7  | PHP 3SPC300TB      |             |
|         |                   | 315                | 7           | 3535           | 324.6      | 35     | 90                | 85  | 264  | 2.0  | 89  | 2.0  | 170 | 22.0  | PHP 3SPC315TB      |             |
|         |                   | 335                | 4           | 3535           | 344.6      | 35     | 90                | 85  | 284  | 2.0  | 89  | 2.0  | 170 | 24.1  | PHP 3SPC335TB      |             |
|         |                   | 355                | 4           | 3535           | 364.6      | 35     | 90                | 85  | 304  | 2.0  | 89  | 2.0  | 170 | 26.2  | PHP 3SPC355TB      |             |
|         |                   | 375                | 4           | 3535           | 384.6      | 35     | 90                | 85  | 324  | 2.0  | 89  | 2.0  | 170 | 28.0  | PHP 3SPC375TB      |             |
|         |                   | 400                | 4           | 3535           | 409.6      | 35     | 90                | 85  | 344  | 2.0  | 89  | 2.0  | 170 | 29.3  | PHP 3SPC400TB      |             |
|         |                   | 425                | 4           | 3535           | 434.6      | 35     | 90                | 85  | 369  | 2.0  | 89  | 2.0  | 170 | 32.8  | PHP 3SPC425TB      |             |
|         |                   | 450                | 4           | 3535           | 459.6      | 35     | 90                | 85  | 394  | 2.0  | 89  | 2.0  | 170 | 34.7  | PHP 3SPC450TB      |             |
|         |                   | 475                | 4           | 3535           | 484.6      | 35     | 90                | 85  | 419  | 2.0  | 89  | 2.0  | 170 | 36.5  | PHP 3SPC475TB      |             |
|         |                   | 500                | 4           | 3535           | 509.6      | 35     | 90                | 85  | 444  | 2.0  | 89  | 2.0  | 170 | 40.0  | PHP 3SPC500TB      |             |
|         |                   | 530                | 4           | 3535           | 539.6      | 35     | 90                | 85  | 474  | 2.0  | 89  | 2.0  | 170 | 42.5  | PHP 3SPC530TB      |             |
|         |                   | 560                | 4           | 3535           | 569.6      | 35     | 90                | 85  | 504  | 2.0  | 89  | 2.0  | 170 | 45.9  | PHP 3SPC560TB      |             |
|         |                   | 630                | 4           | 4040           | 639.6      | 40     | 100               | 85  | 574  | 8.5  | 102 | 8.5  | 200 | 76.3  | PHP 3SPC630TB      |             |
|         |                   | 710                | 4           | 4040           | 719.6      | 70     | 100               | 85  | 654  | 8.5  | 102 | 8.5  | 200 | 81.6  | PHP 3SPC710TB      |             |
|         |                   | 800                | 4           | 4545           | 809.6      | 55     | 110               | 85  | 737  | 14.5 | 114 | 14.5 | 225 | 87.0  | PHP 3SPC800TB      |             |
|         |                   | 1000               | 4           | 5050           | 1009.6     | 70     | 125               | 85  | 937  | 21.0 | 127 | 21.0 | 245 | 120.0 | PHP 3SPC1000TB     |             |
|         |                   | 1250               | 4           | 5050           | 1259.6     | 70     | 125               | 85  | 1187 | 21.0 | 127 | 21.0 | 245 | 175.0 | PHP 3SPC1250TB     |             |
| SPC     | 4                 | 150                | 3           | 2012           | 159        | 14     | 50                | 111 | 94   | 39.5 | 32  | 39.5 | —   | 6.7   | PHP 4SPC150TB      |             |
|         |                   | 160                | 3           | 2517           | 169        | 16     | 60                | 111 | 104  | 33   | 45  | 33   | —   | 7.34  | PHP 4SPC160TB      |             |
|         |                   | 170                | 3           | 3020           | 179        | 25     | 75                | 111 | 120  | 30   | 51  | 30   | —   | 6.9   | PHP 4SPC170TB      |             |
|         |                   | 180                | 3           | 3020           | 189        | 25     | 75                | 111 | 124  | 30   | 51  | 30   | —   | 8.65  | PHP 4SPC180TB      |             |
|         |                   | 190                | 3           | 3020           | 199        | 25     | 75                | 111 | 134  | 30   | 51  | 30   | —   | 9.82  | PHP 4SPC190TB      |             |
|         |                   | 200                | 3           | 3020           | 209.6      | 25     | 75                | 111 | 144  | 30.0 | 51  | 30.0 | —   | 11.3  | PHP 4SPC200TB      |             |
|         |                   | 212                | 3           | 3020           | 221.6      | 25     | 75                | 111 | 156  | 30.0 | 51  | 30.0 | —   | 13.0  | PHP 4SPC212TB      |             |
|         |                   | 224                | 3           | 3535           | 233.6      | 35     | 90                | 111 | 168  | 11.0 | 89  | 11.0 | —   | 14.5  | PHP 4SPC224TB      |             |
|         |                   | 236                | 3           | 3535           | 245.6      | 35     | 90                | 111 | 180  | 11.0 | 89  | 11.0 | —   | 16.7  | PHP 4SPC236TB      |             |
|         |                   | 250                | 3           | 3535           | 259.6      | 35     | 90                | 111 | 194  | 11.0 | 89  | 11.0 | —   | 19.3  | PHP 4SPC250TB      |             |
|         |                   | 265                | 3           | 3535           | 274.6      | 35     | 90                | 111 | 209  | 11.0 | 89  | 11.0 | —   | 22.4  | PHP 4SPC265TB      |             |
|         |                   | 280                | 7           | 3535           | 289.6      | 35     | 90                | 111 | 224  | 11.0 | 89  | 11.0 | —   | 25.4  | PHP 4SPC280TB      |             |
|         |                   | 300                | 5           | 3535           | 309.6      | 35     | 90                | 111 | 244  | 11.0 | 89  | 11.0 | 170 | 25.4  | PHP 4SPC300TB      |             |
|         |                   | 315                | 5           | 3535           | 324.6      | 35     | 90                | 111 | 259  | 11.0 | 89  | 11.0 | 170 | 25.3  | PHP 4SPC315TB      |             |
|         |                   | 335                | 5           | 3535           | 344.6      | 35     | 90                | 111 | 279  | 11.0 | 89  | 11.0 | 170 | 27.4  | PHP 4SPC335TB      |             |
|         |                   | 355                | 5           | 3535           | 364.6      | 35     | 90                | 111 | 299  | 11.0 | 89  | 11.0 | 170 | 29.6  | PHP 4SPC355TB      |             |
|         |                   | 375                | 5           | 3535           | 384.6      | 35     | 90                | 111 | 319  | 11.0 | 89  | 11.0 | 170 | 31.3  | PHP 4SPC375TB      |             |
|         |                   | 400                | 5           | 3535           | 409.6      | 35     | 90                | 111 | 344  | 11.0 | 89  | 11.0 | 170 | 33.8  | PHP 4SPC400TB      |             |
|         |                   | 425                | 5           | 3535           | 434.6      | 35     | 90                | 111 | 369  | 11.0 | 89  | 11.0 | 170 | 38.0  | PHP 4SPC425TB      |             |
|         |                   | 450                | 5           | 3535           | 459.6      | 35     | 90                | 111 | 394  | 11.0 | 89  | 11.0 | 170 | 41.3  | PHP 4SPC450TB      |             |
|         |                   | 475                | 5           | 3535           | 484.6      | 35     | 90                | 111 | 419  | 11.0 | 89  | 11.0 | 170 | 43.7  | PHP 4SPC475TB      |             |
|         |                   | 500                | 5           | 3535           | 509.6      | 35     | 90                | 111 | 444  | 11.0 | 89  | 11.0 | 170 | 46.0  | PHP 4SPC500TB      |             |
|         |                   | 530                | 5           | 4040           | 539.6      | 40     | 100               | 111 | 474  | 4.5  | 102 | 4.5  | 170 | 52.0  | PHP 4SPC530TB      |             |
|         |                   | 560                | 5           | 4040           | 569.6      | 40     | 100               | 111 | 504  | 4.5  | 102 | 4.5  | 200 | 58.0  | PHP 4SPC560TB      |             |
|         |                   | 630                | 4           | 4545           | 639.6      | 55     | 110               | 111 | 574  | 1.5  | 114 | 1.5  | 225 | 63.8  | PHP 4SPC630TB      |             |
|         |                   | 710                | 4           | 5050           | 719.6      | 70     | 125               | 111 | 654  | 8.0  | 127 | 8.0  | 267 | 83.2  | PHP 4SPC710TB      |             |
|         |                   | 800                | 4           | 5050           | 809.6      | 70     | 125               | 111 | 737  | 8.0  | 127 | 8.0  | 267 | 102.5 | PHP 4SPC800TB      |             |
|         |                   | 1000               | 4           | 5050           | 1009.6     | 70     | 125               | 111 | 937  | 8.0  | 127 | 8.0  | 267 | 130.0 | PHP 4SPC1000TB     |             |
|         |                   | 1250               | 4           | 5050           | 1259.6     | 70     | 125               | 111 | 1187 | 8.0  | 127 | 8.0  | 267 | 186.0 | PHP 4SPC1250TB     |             |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

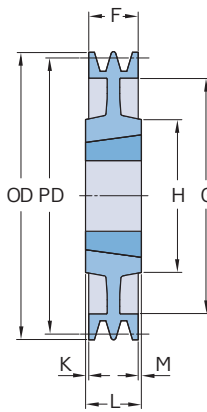
Wedge belt pulleys  
SPC taper bushed



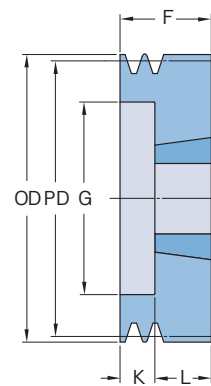
Type 6



Type 7



Type 8

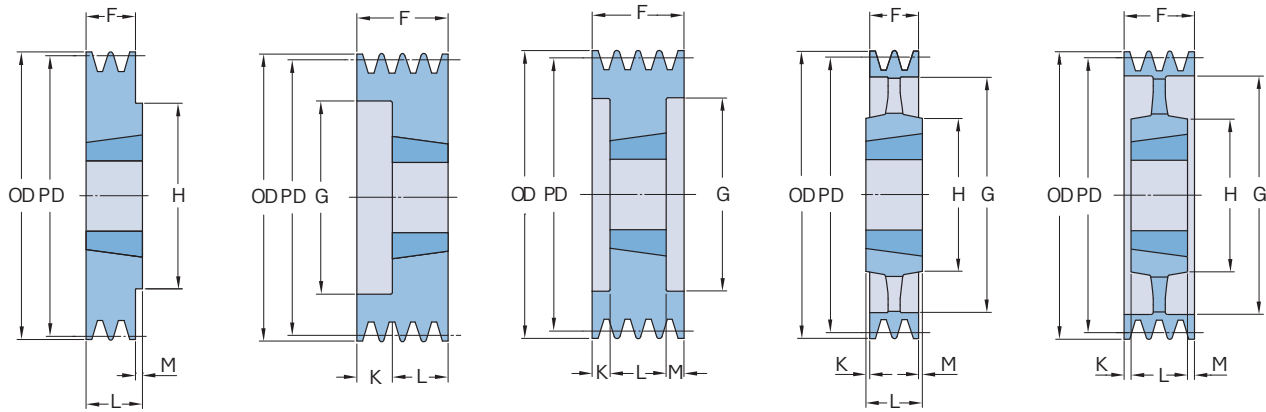


Type 9

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        | Max. | F   | G    | K    | L   | M    | H   | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|------|-----|------|------|-----|------|-----|--------------------|----------------|
|         |                   | mm                 |             |                | Outer diameter OD | B Min. |      |     |      |      |     |      |     |                    |                |
| –       | –                 | mm                 | –           | –              | mm                |        |      |     |      |      |     |      |     | kg                 | –              |
| SPC     | 5                 | 150                | 3           | 2012           | 159               | 14     | 50   | 136 | 94   | 52   | 32  | 52   | –   | 8                  | PHP 5SPC150TB  |
|         |                   | 170                | 3           | 3020           | 179               | 25     | 75   | 136 | 119  | 42.5 | 51  | 42.5 | –   | 8.22               | PHP 5SPC170TB  |
|         |                   | 190                | 3           | 3020           | 199               | 25     | 75   | 136 | 134  | 42.5 | 51  | 42.5 | –   | 11.53              | PHP 5SPC190TB  |
|         |                   | 200                | 3           | 3535           | 209.6             | 35     | 90   | 136 | 150  | 23.5 | 89  | 23.5 | –   | 12.2               | PHP 5SPC200TB  |
|         |                   | 212                | 3           | 3535           | 221.6             | 35     | 90   | 136 | 160  | 23.5 | 89  | 23.5 | –   | 14.5               | PHP 5SPC212TB  |
|         |                   | 224                | 3           | 3535           | 233.6             | 35     | 90   | 136 | 173  | 23.5 | 89  | 23.5 | –   | 16.6               | PHP 5SPC224TB  |
|         |                   | 236                | 3           | 3535           | 245.6             | 35     | 90   | 136 | 185  | 23.5 | 89  | 23.5 | –   | 18.9               | PHP 5SPC236TB  |
|         |                   | 250                | 3           | 3535           | 259.6             | 35     | 90   | 136 | 198  | 23.5 | 89  | 23.5 | –   | 21.5               | PHP 5SPC250TB  |
|         |                   | 265                | 3           | 3535           | 274.6             | 35     | 90   | 136 | 213  | 23.5 | 89  | 23.5 | –   | 25.0               | PHP 5SPC265TB  |
|         |                   | 280                | 3           | 3535           | 289.6             | 35     | 90   | 136 | 228  | 23.5 | 89  | 23.5 | –   | 28.4               | PHP 5SPC280TB  |
|         |                   | 300                | 7           | 3535           | 309.6             | 35     | 90   | 136 | 247  | 23.5 | 89  | 23.5 | 170 | 28.2               | PHP 5SPC300TB  |
|         |                   | 315                | 5           | 3535           | 324.6             | 35     | 90   | 136 | 264  | 23.5 | 89  | 23.5 | 170 | 28.1               | PHP 5SPC315TB  |
|         |                   | 335                | 5           | 3535           | 344.6             | 35     | 90   | 136 | 280  | 23.5 | 89  | 23.5 | 170 | 31.1               | PHP 5SPC335TB  |
|         |                   | 355                | 5           | 3535           | 364.6             | 35     | 90   | 136 | 304  | 23.5 | 89  | 23.5 | 170 | 33.1               | PHP 5SPC355TB  |
|         |                   | 375                | 5           | 3535           | 384.6             | 35     | 90   | 136 | 324  | 23.5 | 89  | 23.5 | 170 | 35.6               | PHP 5SPC375TB  |
|         |                   | 400                | 5           | 3535           | 409.6             | 35     | 90   | 136 | 344  | 23.5 | 89  | 23.5 | 170 | 38.5               | PHP 5SPC400TB  |
|         |                   | 425                | 5           | 3535           | 434.6             | 35     | 90   | 136 | 369  | 23.5 | 89  | 23.5 | 170 | 42.5               | PHP 5SPC425TB  |
|         |                   | 450                | 5           | 4040           | 459.6             | 40     | 100  | 136 | 394  | 17.0 | 102 | 17.0 | 200 | 44.3               | PHP 5SPC450TB  |
|         |                   | 475                | 5           | 4040           | 484.6             | 40     | 100  | 136 | 419  | 17.0 | 102 | 17.0 | 200 | 48.5               | PHP 5SPC475TB  |
|         |                   | 500                | 5           | 4040           | 509.6             | 40     | 100  | 136 | 444  | 17.0 | 102 | 17.0 | 200 | 51.0               | PHP 5SPC500TB  |
|         |                   | 530                | 5           | 4545           | 539.6             | 55     | 110  | 136 | 474  | 11.0 | 102 | 11.0 | 200 | 66.0               | PHP 5SPC530TB  |
|         |                   | 560                | 5           | 4545           | 569.6             | 55     | 110  | 136 | 504  | 11.0 | 114 | 11.0 | 200 | 66.7               | PHP 5SPC560TB  |
|         |                   | 630                | 5           | 5050           | 639.6             | 70     | 125  | 136 | 574  | 4.5  | 127 | 4.5  | 245 | 73.0               | PHP 5SPC630TB  |
|         |                   | 710                | 5           | 5050           | 719.6             | 70     | 125  | 136 | 654  | 4.5  | 127 | 4.5  | 245 | 93.0               | PHP 5SPC710TB  |
|         |                   | 800                | 5           | 5050           | 809.6             | 70     | 125  | 136 | 737  | 4.5  | 127 | 4.5  | 245 | 119.0              | PHP 5SPC800TB  |
|         |                   | 900                | 5           | 5050           | 909               | 50     | 125  | 136 | 837  | 4.5  | 127 | 4.5  | 267 | 135                | PHP 5SPC900TB  |
|         |                   | 1000               | 5           | 5050           | 1009.6            | 70     | 125  | 136 | 937  | 4.5  | 127 | 4.5  | 245 | 147.0              | PHP 5SPC1000TB |
|         |                   | 1120               | 5           | 5050           | 1129              | 50     | 125  | 136 | 1057 | 4.5  | 127 | 4.5  | 267 | 194.4              | PHP 5SPC1120TB |
|         |                   | 1250               | 5           | 5050           | 1259.6            | 70     | 125  | 136 | 1187 | 4.5  | 127 | 4.5  | 245 | 210.0              | PHP 5SPC1250TB |
| SPC     | 6                 | 180                | 3           | 3020           | 189               | 25     | 75   | 162 | 124  | 55.5 | 51  | 55.5 | –   | 11.88              | PHP 6SPC180TB  |
|         |                   | 190                | 3           | 3020           | 199               | 25     | 75   | 162 | 134  | 55.5 | 51  | 55.5 | –   | 12.5               | PHP 6SPC190TB  |
|         |                   | 200                | 3           | 3535           | 209.6             | 35     | 90   | 162 | 148  | 36.5 | 89  | 36.5 | –   | 14.1               | PHP 6SPC200TB  |
|         |                   | 212                | 3           | 3535           | 221.6             | 35     | 90   | 162 | 160  | 36.5 | 89  | 36.5 | –   | 16.5               | PHP 6SPC212TB  |
|         |                   | 224                | 3           | 3535           | 233.6             | 35     | 90   | 162 | 173  | 36.5 | 89  | 36.5 | –   | 18.0               | PHP 6SPC224TB  |
|         |                   | 236                | 3           | 3535           | 245.6             | 35     | 90   | 162 | 185  | 36.5 | 89  | 36.5 | –   | 21.3               | PHP 6SPC236TB  |
|         |                   | 250                | 3           | 3535           | 259.6             | 35     | 90   | 162 | 198  | 36.5 | 89  | 36.5 | –   | 29.0               | PHP 6SPC250TB  |
|         |                   | 265                | 3           | 3535           | 274.6             | 35     | 90   | 162 | 213  | 36.5 | 89  | 36.5 | –   | 30.3               | PHP 6SPC265TB  |
|         |                   | 280                | 7           | 3535           | 289.6             | 35     | 90   | 162 | 228  | 36.5 | 89  | 36.5 | –   | 31.5               | PHP 6SPC280TB  |
|         |                   | 300                | 7           | 3535           | 309.6             | 35     | 90   | 162 | 247  | 36.5 | 89  | 36.5 | 170 | 31.5               | PHP 6SPC300TB  |
|         |                   | 315                | 5           | 3535           | 324.6             | 35     | 90   | 162 | 264  | 36.5 | 89  | 36.5 | 170 | 33.2               | PHP 6SPC315TB  |
|         |                   | 335                | 5           | 3535           | 344.6             | 35     | 90   | 162 | 280  | 36.5 | 89  | 36.5 | 170 | 37.5               | PHP 6SPC335TB  |
|         |                   | 355                | 5           | 3535           | 364.6             | 35     | 90   | 162 | 304  | 36.5 | 89  | 36.5 | 170 | 40.5               | PHP 6SPC355TB  |
|         |                   | 375                | 5           | 4040           | 384.6             | 40     | 100  | 162 | 324  | 30.0 | 102 | 30.0 | 200 | 44.5               | PHP 6SPC375TB  |
|         |                   | 400                | 5           | 4040           | 409.6             | 40     | 100  | 162 | 348  | 30.0 | 102 | 30.0 | 200 | 48.0               | PHP 6SPC400TB  |
|         |                   | 425                | 5           | 4040           | 434.6             | 40     | 100  | 162 | 369  | 30.0 | 102 | 30.0 | 225 | 51.0               | PHP 6SPC425TB  |
|         |                   | 450                | 7           | 4545           | 459.6             | 55     | 110  | 162 | 394  | 24.0 | 114 | 24.0 | 225 | 57.5               | PHP 6SPC450TB  |
|         |                   | 475                | 5           | 4545           | 484.6             | 55     | 110  | 162 | 419  | 24.0 | 114 | 24.0 | 225 | 62.0               | PHP 6SPC475TB  |
|         |                   | 500                | 5           | 4545           | 509.6             | 55     | 110  | 162 | 444  | 24.0 | 114 | 24.0 | 225 | 67.0               | PHP 6SPC500TB  |
|         |                   | 530                | 5           | 5050           | 539.6             | 70     | 125  | 162 | 474  | 17.5 | 114 | 17.5 | 245 | 74.5               | PHP 6SPC530TB  |
|         |                   | 560                | 5           | 5050           | 569.6             | 70     | 125  | 162 | 504  | 17.5 | 127 | 17.5 | 245 | 77.5               | PHP 6SPC560TB  |
|         |                   | 630                | 5           | 5050           | 639.6             | 70     | 125  | 162 | 574  | 17.5 | 127 | 17.5 | 245 | 88.5               | PHP 6SPC630TB  |
|         |                   | 710                | 5           | 5050           | 719.6             | 70     | 125  | 162 | 654  | 17.5 | 127 | 17.5 | 245 | 107.3              | PHP 6SPC710TB  |
|         |                   | 800                | 5           | 5050           | 809.6             | 70     | 125  | 162 | 737  | 17.5 | 127 | 17.5 | 245 | 126.0              | PHP 6SPC800TB  |
|         |                   | 1000               | 5           | 5050           | 1009.6            | 70     | 125  | 162 | 937  | 17.5 | 127 | 17.5 | 245 | 185.0              | PHP 6SPC1000TB |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

Wedge belt pulleys  
SPC taper bushed



Type 1

Type 2

Type 3

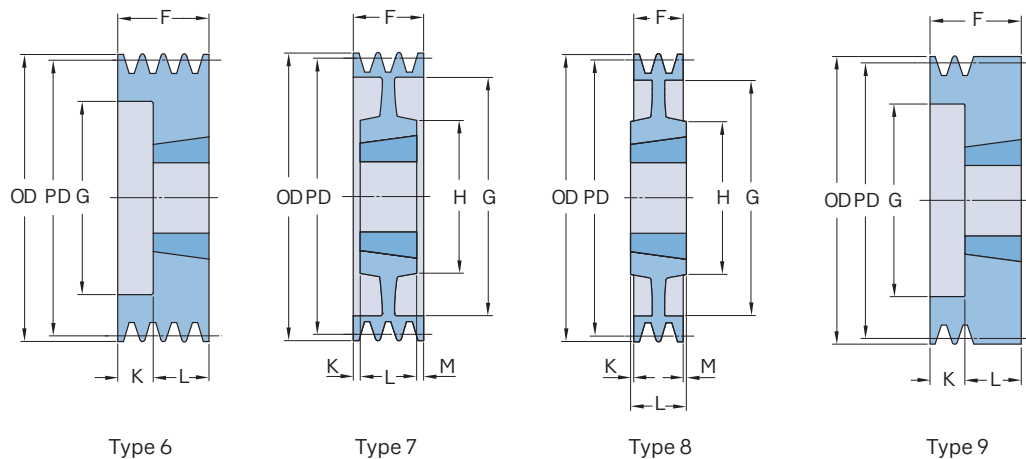
Type 4

Type 5

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |        | Outer diameter OD |     | F    |      | G   | K    | L   | M     | H | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|------------|--------|-------------------|-----|------|------|-----|------|-----|-------|---|--------------------|----------------|
|         |                   | mm                 |             |                | mm         | B Min. | Max.              |     |      |      |     |      |     |       |   | kg                 |                |
| SPC     | 6                 | 1120               | 5           | 5050           | 1129       | 50     | 125               | 162 | 1057 | 17.5 | 127 | 17.5 | 267 | 184.5 |   |                    | PHP 6SPC1120TB |
|         |                   | 1250               | 5           | 5050           | 1259.6     | 70     | 125               | 162 | 1187 | 17.5 | 127 | 17.5 | 245 | 258.0 |   |                    | PHP 6SPC1250TB |
|         |                   | 1400               | 5           | 6050           | 1409       | 100    | 150               | 162 | 1337 | 17.5 | 127 | 17.5 | 432 | 315   |   |                    | PHP 6SPC1400TB |
|         |                   | 1600               | 5           | 6050           | 1609       | 100    | 150               | 162 | 1537 | 17.5 | 127 | 17.5 | 432 | 387   |   |                    | PHP 6SPC1600TB |
|         |                   | 1700               | 5           | 6050           | 1709       | 100    | 150               | 162 | 1637 | 17.5 | 127 | 17.5 | 432 | 389   |   |                    | PHP 6SPC1700TB |
| SPC     | 8                 | 200                | 3           | 3535           | 209.6      | 35     | 90                | 213 | 148  | 62.0 | 89  | 62.0 | —   | 20.0  |   |                    | PHP 8SPC200TB  |
|         |                   | 212                | 3           | 3535           | 221.6      | 35     | 90                | 213 | 160  | 62.0 | 89  | 62.0 | —   | 21.3  |   |                    | PHP 8SPC212TB  |
|         |                   | 224                | 3           | 3535           | 233.6      | 35     | 90                | 213 | 170  | 62.0 | 89  | 62.0 | —   | 22.9  |   |                    | PHP 8SPC224TB  |
|         |                   | 236                | 3           | 3535           | 245.6      | 35     | 90                | 213 | 184  | 62.0 | 89  | 62.0 | —   | 25.9  |   |                    | PHP 8SPC236TB  |
|         |                   | 250                | 3           | 3535           | 259.6      | 35     | 90                | 213 | 198  | 62.0 | 89  | 62.0 | —   | 29.0  |   |                    | PHP 8SPC250TB  |
|         |                   | 265                | 3           | 3535           | 274.6      | 35     | 90                | 213 | 213  | 62.0 | 89  | 62.0 | —   | 32.5  |   |                    | PHP 8SPC265TB  |
|         |                   | 280                | 3           | 3535           | 289.6      | 35     | 90                | 213 | 228  | 62.0 | 89  | 62.0 | —   | 36.1  |   |                    | PHP 8SPC280TB  |
|         |                   | 300                | 3           | 4040           | 309.6      | 40     | 100               | 213 | 207  | 55.5 | 102 | 55.5 | —   | 37.1  |   |                    | PHP 8SPC300TB  |
|         |                   | 315                | 3           | 4040           | 324.6      | 40     | 100               | 213 | 258  | 55.5 | 102 | 55.5 | —   | 40.0  |   |                    | PHP 8SPC315TB  |
|         |                   | 335                | 7           | 4040           | 344.6      | 40     | 100               | 213 | 280  | 55.5 | 102 | 55.5 | 210 | 44.0  |   |                    | PHP 8SPC335TB  |
|         |                   | 355                | 5           | 4040           | 364.6      | 40     | 100               | 213 | 304  | 55.5 | 102 | 55.5 | 210 | 49.0  |   |                    | PHP 8SPC355TB  |
|         |                   | 375                | 5           | 4545           | 384.6      | 55     | 110               | 213 | 324  | 49.5 | 114 | 49.5 | 242 | 54.5  |   |                    | PHP 8SPC375TB  |
|         |                   | 400                | 5           | 4545           | 409.6      | 55     | 110               | 213 | 348  | 49.5 | 114 | 49.5 | 242 | 58.0  |   |                    | PHP 8SPC400TB  |
|         |                   | 425                | 5           | 4545           | 434.6      | 55     | 110               | 213 | 369  | 49.5 | 114 | 49.5 | 242 | 63.5  |   |                    | PHP 8SPC425TB  |
|         |                   | 450                | 5           | 5050           | 459.6      | 70     | 125               | 213 | 394  | 43.0 | 127 | 43.0 | 267 | 70.0  |   |                    | PHP 8SPC450TB  |
|         |                   | 475                | 5           | 5050           | 484.6      | 70     | 125               | 213 | 419  | 43.0 | 127 | 43.0 | 267 | 72.0  |   |                    | PHP 8SPC475TB  |
|         |                   | 500                | 5           | 5050           | 509.6      | 70     | 125               | 213 | 444  | 43.0 | 127 | 43.0 | 267 | 82.5  |   |                    | PHP 8SPC500TB  |
|         |                   | 530                | 5           | 5050           | 539.6      | 70     | 125               | 213 | 474  | 43.0 | 127 | 43.0 | 267 | 82.5  |   |                    | PHP 8SPC530TB  |
|         |                   | 560                | 5           | 5050           | 569.6      | 70     | 125               | 213 | 504  | 43.0 | 127 | 43.0 | 267 | 94.5  |   |                    | PHP 8SPC560TB  |
|         |                   | 630                | 5           | 5050           | 639.6      | 70     | 125               | 213 | 574  | 43.0 | 127 | 43.0 | 267 | 102.0 |   |                    | PHP 8SPC630TB  |
|         |                   | 710                | 5           | 5050           | 719.6      | 70     | 125               | 213 | 656  | 43.0 | 127 | 43.0 | 267 | 123.5 |   |                    | PHP 8SPC710TB  |
|         |                   | 800                | 5           | 5050           | 809.6      | 70     | 125               | 213 | 737  | 43.0 | 127 | 43.0 | 267 | 145.0 |   |                    | PHP 8SPC800TB  |
|         |                   | 900                | 5           | 5050           | 909        | 50     | 125               | 213 | 837  | 43   | 127 | 43   | 267 | 173   |   |                    | PHP 8SPC900TB  |
|         |                   | 1000               | 5           | 5050           | 1009.6     | 70     | 125               | 213 | 937  | 43.0 | 127 | 43.0 | 267 | 207.0 |   |                    | PHP 8SPC1000TB |
|         |                   | 1120               | 5           | 5050           | 1129       | 50     | 125               | 213 | 1057 | 43   | 127 | 43   | 267 | 234   |   |                    | PHP 8SPC1120TB |
|         |                   | 1250               | 5           | 5050           | 1259.6     | 70     | 125               | 213 | 1187 | 43.0 | 127 | 43.0 | 267 | 285.0 |   |                    | PHP 8SPC1250TB |
|         |                   | 1400               | 5           | 6050           | 1409       | 100    | 150               | 213 | 1337 | 43   | 127 | 43   | 432 | 384   |   |                    | PHP 8SPC1400TB |
|         |                   | 1600               | 5           | 6050           | 1609       | 100    | 150               | 213 | 1537 | 43   | 127 | 43   | 432 | 510   |   |                    | PHP 8SPC1600TB |
| SPC     | 10                | 200                | 3           | 3535           | 209        | 35     | 90                | 264 | 144  | 87.5 | 89  | 87.5 | —   | 22    |   |                    | PHP 10SPC200TB |
|         |                   | 224                | 3           | 4040           | 233.6      | 40     | 100               | 264 | 168  | 81.0 | 102 | —    | —   | 28.0  |   |                    | PHP 10SPC224TB |
|         |                   | 236                | 3           | 4040           | 245.6      | 40     | 100               | 264 | 180  | 81.0 | 102 | 81.0 | —   | 30.9  |   |                    | PHP 10SPC236TB |
|         |                   | 250                | 3           | 4040           | 259.6      | 40     | 100               | 264 | 196  | 81.0 | 102 | 81.0 | —   | 35.0  |   |                    | PHP 10SPC250TB |
|         |                   | 265                | 3           | 4040           | 274.6      | 40     | 100               | 264 | 209  | 81.0 | 102 | 81.0 | —   | 39.5  |   |                    | PHP 10SPC265TB |
|         |                   | 280                | 3           | 4040           | 289.6      | 40     | 100               | 264 | 226  | 81.0 | 102 | 81.0 | —   | 42.1  |   |                    | PHP 10SPC280TB |
|         |                   | 300                | 3           | 4545           | 309.6      | 55     | 110               | 264 | 245  | 75.0 | 114 | 75.0 | —   | 44.1  |   |                    | PHP 10SPC300TB |
|         |                   | 315                | 3           | 4545           | 324.6      | 55     | 110               | 264 | 258  | 75.0 | 114 | 75.0 | —   | 47.0  |   |                    | PHP 10SPC315TB |
|         |                   | 335                | 3           | 4545           | 344.6      | 55     | 110               | 264 | 279  | 75.0 | 114 | 75.0 | —   | 51.0  |   |                    | PHP 10SPC335TB |
|         |                   | 355                | 3           | 4545           | 364.6      | 55     | 110               | 264 | 299  | 75.0 | 114 | 75.0 | —   | 57.0  |   |                    | PHP 10SPC355TB |
|         |                   | 375                | 3           | 4545           | 384.6      | 55     | 110               | 264 | 319  | 68.5 | 127 | 68.5 | 245 | 62.5  |   |                    | PHP 10SPC375TB |
|         |                   | 400                | 6           | 5050           | 409.6      | 70     | 125               | 264 | 342  | 68.5 | 127 | 68.5 | 245 | 66.0  |   |                    | PHP 10SPC400TB |
|         |                   | 425                | 7           | 5050           | 434.6      | 70     | 125               | 264 | 369  | 68.5 | 127 | 68.5 | 245 | 70.5  |   |                    | PHP 10SPC425TB |
|         |                   | 450                | 5           | 5050           | 459.6      | 70     | 125               | 264 | 394  | 68.5 | 127 | 68.5 | 245 | 78.0  |   |                    | PHP 10SPC450TB |
|         |                   | 475                | 5           | 5050           | 484.6      | 70     | 125               | 264 | 419  | 68.5 | 127 | 68.5 | 245 | 82.0  |   |                    | PHP 10SPC475TB |
|         |                   | 500                | 5           | 5050           | 509.6      | 70     | 125               | 264 | 444  | 68.5 | 127 | 68.5 | 245 | 95.5  |   |                    | PHP 10SPC500TB |
|         |                   | 530                | 5           | 5050           | 539.6      | 70     | 125               | 264 | 474  | 68.5 | 127 | 68.5 | 245 | 106.0 |   |                    | PHP 10SPC530TB |
|         |                   | 560                | 5           | 5050           | 569.6      | 70     | 125               | 264 | 504  | 68.5 | 127 | 68.5 | 245 | 94.7  |   |                    | PHP 10SPC560TB |
|         |                   | 590                | 5           | 5050           | 599        | 50     | 125               | 264 | 534  | 68.5 | 127 | 68.5 | 267 | 118   |   |                    | PHP 10SPC590TB |
|         |                   | 630                | 5           | 5050           | 639.6      | 70     | 125               | 264 | 574  | 68.5 | 127 | 68.5 | 245 | 113.2 |   |                    | PHP 10SPC630TB |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

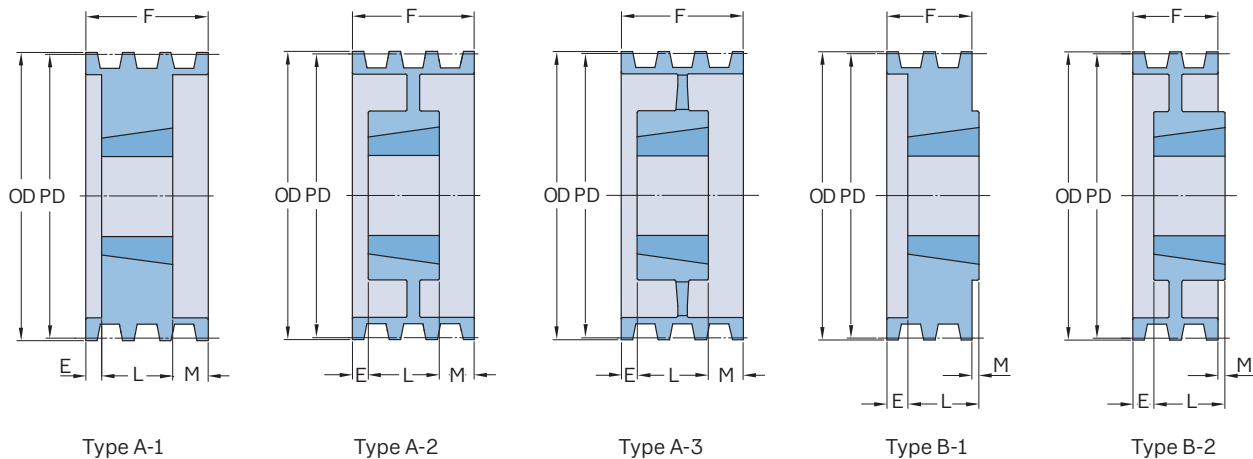
Wedge belt pulleys  
SPC taper bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |        |      |     |      |       |     |       |     |        | Mass <sup>1)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|-------------------|--------|------|-----|------|-------|-----|-------|-----|--------|--------------------|-----------------|
|         |                   |                    |             |                | Outer diameter OD | B Min. | Max. | F   | G    | K     | L   | M     | H   |        |                    |                 |
| –       | –                 | mm                 | –           | –              | mm                |        |      |     |      |       |     |       |     |        | kg                 | –               |
| SPC     | 10                | 710                | 5           | 5050           | 719.6             | 70     | 125  | 264 | 654  | 68.5  | 127 | 68.5  | 245 | 133.5  |                    | PHP 10SPC710TB  |
|         |                   | 800                | 5           | 5050           | 809.6             | 70     | 125  | 264 | 737  | 68.5  | 127 | 68.5  | 245 | 160.5  |                    | PHP 10SPC800TB  |
|         |                   | 900                | 5           | 5050           | 909               | 50     | 125  | 264 | 837  | 68.5  | 127 | 68.5  | 267 | 209.3  |                    | PHP 10SPC900TB  |
|         |                   | 1000               | 5           | 5050           | 1009.6            | 70     | 125  | 264 | 937  | 68.5  | 127 | 68.5  | 245 | 227.5  |                    | PHP 10SPC1000TB |
|         |                   | 1250               | 5           | 5050           | 1259.6            | 70     | 125  | 264 | 1187 | 68.5  | 127 | 68.5  | 245 | 300.0  |                    | PHP 10SPC1250TB |
|         |                   | 1600               | 5           | 5050           | 1609              | 50     | 125  | 264 | 1537 | 68.5  | 127 | 68.5  | 288 | 460    |                    | PHP 10SPC1600TB |
|         |                   | 1700               | 5           | 7060           | 1709              | 110    | 170  | 264 | 1637 | 56    | 152 | 56    | 500 | 488.75 |                    | PHP 10SPC1700TB |
|         |                   | 1900               | 5           | 7060           | 1909              | 110    | 170  | 267 | 1837 | 56    | 152 | 56    | 500 | 752    |                    | PHP 10SPC1900TB |
|         |                   | 265                | 3           | 4545           | 274               | 55     | 110  | 315 | 209  | 100.5 | 114 | 100.5 | –   | 44     |                    | PHP 12SPC265TB  |
|         |                   | 280                | 3           | 4545           | 289               | 55     | 110  | 315 | 224  | 100.5 | 114 | 100.5 | –   | 51     |                    | PHP 12SPC280TB  |
| SPC     | 12                | 300                | 3           | 4545           | 309               | 55     | 110  | 315 | 244  | 100.5 | 114 | 100.5 | –   | 58.5   |                    | PHP 12SPC300TB  |
|         |                   | 315                | 3           | 5050           | 324               | 50     | 125  | 315 | 259  | 94    | 127 | 94    | –   | 66.3   |                    | PHP 12SPC315TB  |
|         |                   | 335                | 3           | 5050           | 344               | 50     | 125  | 315 | 279  | 94    | 127 | 94    | –   | 76     |                    | PHP 12SPC335TB  |
|         |                   | 355                | 3           | 5050           | 364               | 50     | 125  | 315 | 299  | 94    | 127 | 94    | 267 | 88     |                    | PHP 12SPC355TB  |
|         |                   | 375                | 6           | 5050           | 384               | 50     | 125  | 315 | 319  | 94    | 127 | 94    | 267 | 90     |                    | PHP 12SPC375TB  |
|         |                   | 400                | 6           | 5050           | 409               | 50     | 125  | 315 | 344  | 94    | 127 | 94    | 267 | 96     |                    | PHP 12SPC400TB  |
|         |                   | 450                | 6           | 5050           | 459               | 50     | 125  | 315 | 394  | 94    | 127 | 94    | 267 | 116    |                    | PHP 12SPC450TB  |
|         |                   | 475                | 6           | 5050           | 484               | 50     | 125  | 315 | 419  | 94    | 127 | 94    | 267 | 123    |                    | PHP 12SPC475TB  |
|         |                   | 500                | 6           | 5050           | 509               | 50     | 125  | 315 | 444  | 94    | 127 | 94    | 267 | 128    |                    | PHP 12SPC500TB  |
|         |                   | 600                | 6           | 5050           | 609               | 50     | 125  | 315 | 544  | 94    | 127 | 94    | 267 | 142    |                    | PHP 12SPC600TB  |
|         |                   | 630                | 5           | 5050           | 639               | 50     | 125  | 315 | 574  | 94    | 127 | 94    | 267 | 147    |                    | PHP 12SPC630TB  |
|         |                   | 710                | 5           | 5050           | 719               | 50     | 125  | 315 | 654  | 94    | 127 | 94    | 267 | 166    |                    | PHP 12SPC710TB  |
|         |                   | 800                | 5           | 5050           | 809               | 50     | 125  | 315 | 737  | 94    | 127 | 94    | 267 | 208    |                    | PHP 12SPC800TB  |
|         |                   | 1000               | 5           | 5050           | 1009              | 50     | 125  | 315 | 937  | 94    | 127 | 94    | 267 | 236    |                    | PHP 12SPC1000TB |
|         |                   | 1250               | 5           | 5050           | 1259              | 50     | 125  | 315 | 1187 | 94    | 127 | 94    | 267 | 350    |                    | PHP 12SPC1250TB |
|         |                   | 1400               | 5           | 7060           | 1409              | 110    | 170  | 315 | 1337 | 81.5  | 152 | 81.5  | 500 | 551    |                    | PHP 12SPC1400TB |

<sup>1)</sup> Mass does not include bushings.  
Non-functional dimensions may vary slightly.

Classical V-belt pulleys  
A/B taper bushed

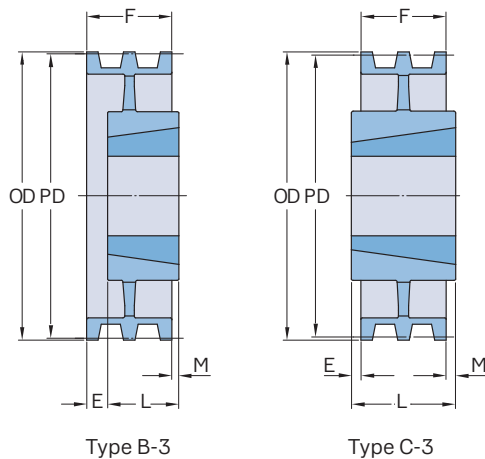


| Section | Number of grooves | Pitch diameter Belt A PCD |      | Belt B PCD |      | Pulley type | Bushing number     | Dimensions        |        |       | F     | E     | L     | M     | Mass <sup>2)</sup> | Designation  |
|---------|-------------------|---------------------------|------|------------|------|-------------|--------------------|-------------------|--------|-------|-------|-------|-------|-------|--------------------|--------------|
|         |                   | mm                        | in.  | mm         | in.  |             |                    | Outer diameter OD | B Min. | Max.  |       |       |       |       |                    |              |
| –       | –                 | mm                        | in.  | mm         | in.  | –           | –                  | mm                |        |       |       |       |       |       | kg                 | –            |
| A/B     | 1                 | 76.2                      | 3.0  | 86.4       | 3.4  | A-1         | 1210               | 95.3              | 15.88  | 31.75 | 25.40 | –     | 25.40 | –     | 1.0                | PHP 1-B34TB  |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | A-1         | 1210               | 100.3             | 15.88  | 31.75 | 25.40 | –     | 25.40 | –     | 1.2                | PHP 1-B36TB  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | A-1         | 1610               | 105.4             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 1.3                | PHP 1-B38TB  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | A-1         | 1610               | 110.5             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 1.4                | PHP 1-B40TB  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | A-1         | 1610               | 115.6             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 1.6                | PHP 1-B42TB  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1         | 1610               | 120.7             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 1.7                | PHP 1-B44TB  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1         | 1610               | 125.7             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 1.8                | PHP 1-B46TB  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1         | 1610               | 130.8             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 2.0                | PHP 1-B48TB  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1         | 1610               | 135.9             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 2.2                | PHP 1-B50TB  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1         | 1610               | 141.0             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 2.3                | PHP 1-B52TB  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1         | 1610               | 146.1             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 2.5                | PHP 1-B54TB  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1         | 1610               | 151.1             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 2.7                | PHP 1-B56TB  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-1         | 1610               | 156.2             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 2.9                | PHP 1-B58TB  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1         | 1610               | 161.3             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 3.0                | PHP 1-B60TB  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-1         | 1610               | 166.4             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 3.2                | PHP 1-B62TB  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1         | 1610               | 171.5             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 3.6                | PHP 1-B64TB  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-1         | 1610               | 176.5             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 3.9                | PHP 1-B66TB  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1         | 1610               | 181.6             | 12.70  | 41.28 | 25.40 | –     | 25.40 | –     | 4.1                | PHP 1-B68TB  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | B-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50 | 25.40 | –     | 44.45 | 19.05 | 4.3                | PHP 1-B74TB  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | B-2         | 2517 <sup>1)</sup> | 227.3             | 19.05  | 63.50 | 25.40 | –     | 44.45 | 19.05 | 5.4                | PHP 1-B86TB  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | B-2         | 2517 <sup>1)</sup> | 247.7             | 19.05  | 63.50 | 25.40 | –     | 44.45 | 19.05 | 6.4                | PHP 1-B94TB  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | B-2         | 2517 <sup>1)</sup> | 288.3             | 19.05  | 63.50 | 25.40 | –     | 44.45 | 19.05 | 8.2                | PHP 1-B110TB |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | C-3         | 2517 <sup>1)</sup> | 323.9             | 19.05  | 63.50 | 25.40 | 6.35  | 44.45 | 12.70 | 8.4                | PHP 1-B124TB |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | C-3         | 2517 <sup>1)</sup> | 400.1             | 19.05  | 63.50 | 25.40 | 6.35  | 44.45 | 12.70 | 8.6                | PHP 1-B154TB |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | C-3         | 2517 <sup>1)</sup> | 476.3             | 19.05  | 63.50 | 28.58 | 4.76  | 44.45 | 11.11 | 10.9               | PHP 1-B184TB |
| A/B     | 2                 | 76.2                      | 3.0  | 86.4       | 3.4  | A-1         | 1210               | 95.3              | 15.88  | 31.75 | 44.45 | 19.05 | 25.40 | –     | 1.0                | PHP 2-B34TB  |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | A-1         | 1210               | 100.3             | 15.88  | 31.75 | 44.45 | 19.05 | 25.40 | –     | 1.2                | PHP 2-B36TB  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | A-1         | 1610               | 105.4             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 1.3                | PHP 2-B38TB  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | A-1         | 1610               | 110.5             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 1.4                | PHP 2-B40TB  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | A-1         | 1610               | 115.6             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 1.8                | PHP 2-B42TB  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1         | 1610               | 120.7             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 2.0                | PHP 2-B44TB  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1         | 1610               | 125.7             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 2.3                | PHP 2-B46TB  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1         | 1610               | 130.8             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 2.5                | PHP 2-B48TB  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1         | 1610               | 135.9             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 2.7                | PHP 2-B50TB  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1         | 1610               | 141.0             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 3.0                | PHP 2-B52TB  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1         | 1610               | 146.1             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 3.2                | PHP 2-B54TB  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1         | 1610               | 151.1             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 3.7                | PHP 2-B56TB  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-1         | 1610               | 156.2             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 3.9                | PHP 2-B58TB  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1         | 1610               | 161.3             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 4.0                | PHP 2-B60TB  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-1         | 1610               | 166.4             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 4.1                | PHP 2-B62TB  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1         | 1610               | 171.5             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 4.5                | PHP 2-B64TB  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-1         | 1610               | 176.5             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 4.8                | PHP 2-B66TB  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1         | 1610               | 181.6             | 12.70  | 41.28 | 44.45 | 19.05 | 25.40 | –     | 5.0                | PHP 2-B68TB  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 7.3                | PHP 2-B74TB  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | A-2         | 2517 <sup>1)</sup> | 227.3             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 8.2                | PHP 2-B86TB  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | A-2         | 2517 <sup>1)</sup> | 247.7             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 9.1                | PHP 2-B94TB  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | A-2         | 2517 <sup>1)</sup> | 288.3             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 11.3               | PHP 2-B110TB |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | A-3         | 2517 <sup>1)</sup> | 323.9             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 12.3               | PHP 2-B124TB |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | A-3         | 2517 <sup>1)</sup> | 400.1             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 14.1               | PHP 2-B154TB |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | A-3         | 2517 <sup>1)</sup> | 476.3             | 19.05  | 63.50 | 44.45 | –     | 44.45 | –     | 15.0               | PHP 2-B184TB |
|         |                   | 497.8                     | 19.6 | 508.0      | 20.0 | C-3         | 3020               | 516.9             | 31.75  | 76.20 | 44.45 | –     | 50.80 | 6.35  | 22.2               | PHP 2-B200TB |
|         |                   | 624.8                     | 24.6 | 635.0      | 25.0 | C-3         | 3020               | 643.9             | 31.75  | 76.20 | 44.45 | –     | 50.80 | 6.35  | 29.5               | PHP 2-B250TB |
|         |                   | 751.8                     | 29.6 | 762.0      | 30.0 | C-3         | 3020               | 770.9             | 31.75  | 76.20 | 44.45 | –     | 50.80 | 6.35  | 34.0               | PHP 2-B300TB |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | C-3         | 3020               | 974.1             | 31.75  | 76.20 | 44.45 | –     | 50.80 | 6.35  | 50.8               | PHP 2-B380TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

# Classical V-belt pulleys A/B taper bushed

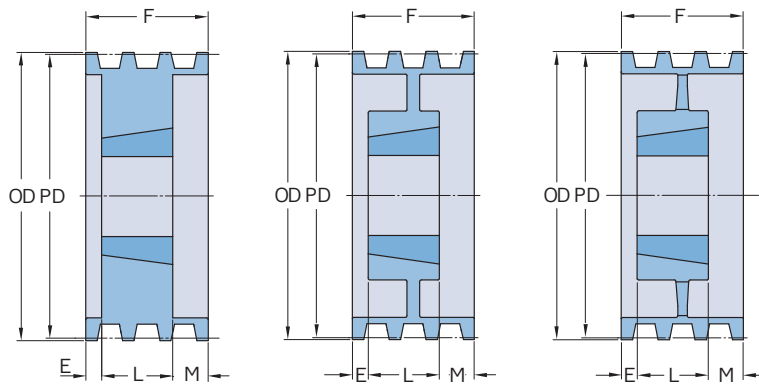


| Section | Number of grooves | Pitch diameter Belt A PCD |      | Belt B PCD |      | Pulley type | Bushing number     | Dimensions        |        |       | F     | E     | L     | M     | Mass <sup>2)</sup> | Designation  |
|---------|-------------------|---------------------------|------|------------|------|-------------|--------------------|-------------------|--------|-------|-------|-------|-------|-------|--------------------|--------------|
|         |                   | mm                        | in.  | mm         | in.  |             |                    | Outer diameter OD | B Min. | Max.  |       |       |       |       |                    |              |
| –       | –                 | mm                        | in.  | mm         | in.  | –           | –                  | mm                |        |       |       |       |       |       | kg                 | –            |
| A/B     | 3                 | 76.2                      | 3.0  | 86.4       | 3.4  | A-1         | 1210               | 95.3              | 15.88  | 31.75 | 63.50 | 38.10 | 25.40 | –     | 1.4                | PHP 3-B34TB  |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | A-1         | 1210               | 100.3             | 15.88  | 31.75 | 63.50 | 38.10 | 25.40 | –     | 1.6                | PHP 3-B36TB  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | A-1         | 1610               | 105.4             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 1.8                | PHP 3-B38TB  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | A-1         | 1610               | 110.5             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 2.3                | PHP 3-B40TB  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | A-1         | 1610               | 115.6             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 2.7                | PHP 3-B42TB  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1         | 1610               | 120.7             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 3.0                | PHP 3-B44TB  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1         | 1610               | 125.7             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 3.2                | PHP 3-B46TB  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1         | 1610               | 130.8             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 3.6                | PHP 3-B48TB  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1         | 1610               | 135.9             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 3.9                | PHP 3-B50TB  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1         | 1610               | 141.0             | 12.70  | 41.28 | 63.50 | 38.10 | 25.40 | –     | 4.1                | PHP 3-B52TB  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1         | 2517 <sup>1)</sup> | 146.1             | 19.05  | 63.50 | 63.50 | 38.10 | 44.45 | –     | 4.3                | PHP 3-B54TB  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1         | 2517 <sup>1)</sup> | 151.1             | 19.05  | 63.50 | 63.50 | 38.10 | 44.45 | –     | 4.5                | PHP 3-B56TB  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-1         | 2517 <sup>1)</sup> | 156.2             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 4.8                | PHP 3-B58TB  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1         | 2517 <sup>1)</sup> | 161.3             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 5.0                | PHP 3-B60TB  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-1         | 2517 <sup>1)</sup> | 166.4             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 5.2                | PHP 3-B62TB  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1         | 2517 <sup>1)</sup> | 171.5             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 5.4                | PHP 3-B64TB  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-1         | 2517 <sup>1)</sup> | 176.5             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 5.6                | PHP 3-B66TB  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1         | 2517 <sup>1)</sup> | 181.6             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 5.8                | PHP 3-B68TB  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 7.3                | PHP 3-B74TB  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | A-2         | 2517 <sup>1)</sup> | 227.3             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 8.6                | PHP 3-B86TB  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | A-2         | 2517 <sup>1)</sup> | 247.7             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 9.5                | PHP 3-B94TB  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | A-2         | 2517 <sup>1)</sup> | 288.3             | 19.05  | 63.50 | 63.50 | 19.05 | 44.45 | –     | 10.9               | PHP 3-B110TB |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | A-3         | 2517 <sup>1)</sup> | 323.9             | 19.05  | 63.50 | 63.50 | –     | 44.45 | 19.05 | 12.7               | PHP 3-B124TB |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | A-3         | 2517 <sup>1)</sup> | 400.1             | 19.05  | 63.50 | 63.50 | –     | 44.45 | 19.05 | 13.6               | PHP 3-B154TB |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | A-3         | 2517 <sup>1)</sup> | 476.3             | 19.05  | 63.50 | 63.50 | –     | 44.45 | 19.05 | 20.0               | PHP 3-B184TB |
|         |                   | 497.8                     | 19.6 | 508.0      | 20.0 | A-3         | 3020               | 516.9             | 31.75  | 76.20 | 63.50 | –     | 50.80 | 12.70 | 26.3               | PHP 3-B200TB |
|         |                   | 624.8                     | 24.6 | 635.0      | 25.0 | A-3         | 3020               | 643.9             | 31.75  | 76.20 | 63.50 | –     | 50.80 | 12.70 | 33.6               | PHP 3-B250TB |
|         |                   | 751.8                     | 29.6 | 762.0      | 30.0 | A-3         | 3020               | 770.9             | 31.75  | 76.20 | 63.50 | –     | 50.80 | 12.70 | 38.1               | PHP 3-B300TB |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | B-3         | 3020               | 974.1             | 31.75  | 76.20 | 63.50 | –     | 76.20 | 12.70 | 61.2               | PHP 3-B380TB |
| A/B     | 4                 | 76.2                      | 3.0  | 86.4       | 3.4  | A-1         | 1210               | 95.3              | 15.88  | 31.75 | 82.55 | 57.15 | 25.40 | –     | 1.4                | PHP 4-B34TB  |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | A-1         | 1210               | 100.3             | 15.88  | 31.75 | 82.55 | 57.15 | 25.40 | –     | 1.6                | PHP 4-B36TB  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | A-1         | 1610               | 105.4             | 12.70  | 41.28 | 82.55 | 57.15 | 25.40 | –     | 1.8                | PHP 4-B38TB  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | A-1         | 1610               | 110.5             | 12.70  | 41.28 | 82.55 | 57.15 | 25.40 | –     | 2.3                | PHP 4-B40TB  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | A-1         | 1610               | 115.6             | 12.70  | 41.28 | 82.55 | 57.15 | 25.40 | –     | 2.5                | PHP 4-B42TB  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1         | 1610               | 120.7             | 12.70  | 41.28 | 82.55 | 57.15 | 25.40 | –     | 2.7                | PHP 4-B44TB  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1         | 1610               | 125.7             | 12.70  | 41.28 | 82.55 | 57.15 | 25.40 | –     | 3.2                | PHP 4-B46TB  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1         | 1610               | 130.8             | 12.70  | 41.28 | 82.55 | 57.15 | 25.40 | –     | 3.6                | PHP 4-B48TB  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1         | 2517 <sup>1)</sup> | 135.9             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 3.9                | PHP 4-B50TB  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1         | 2517 <sup>1)</sup> | 141.0             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 4.1                | PHP 4-B52TB  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1         | 2517 <sup>1)</sup> | 146.1             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 4.3                | PHP 4-B54TB  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1         | 2517 <sup>1)</sup> | 151.1             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 4.5                | PHP 4-B56TB  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-1         | 2517 <sup>1)</sup> | 156.2             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 5.4                | PHP 4-B58TB  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1         | 2517 <sup>1)</sup> | 161.3             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 5.7                | PHP 4-B60TB  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-1         | 2517 <sup>1)</sup> | 166.4             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 5.9                | PHP 4-B62TB  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1         | 2517 <sup>1)</sup> | 171.5             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 6.4                | PHP 4-B64TB  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-1         | 2517 <sup>1)</sup> | 176.5             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 6.8                | PHP 4-B66TB  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1         | 2517 <sup>1)</sup> | 181.6             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 7.3                | PHP 4-B68TB  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 9.1                | PHP 4-B74TB  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | A-2         | 2517 <sup>1)</sup> | 227.3             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 9.5                | PHP 4-B86TB  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | A-2         | 2517 <sup>1)</sup> | 247.7             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 10.4               | PHP 4-B94TB  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | A-2         | 2517 <sup>1)</sup> | 288.3             | 19.05  | 63.50 | 82.55 | 38.10 | 44.45 | –     | 12.7               | PHP 4-B110TB |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | A-3         | 2517 <sup>1)</sup> | 323.9             | 19.05  | 63.50 | 82.55 | 9.53  | 44.45 | 28.58 | 15.4               | PHP 4-B124TB |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | A-3         | 2517 <sup>1)</sup> | 400.1             | 19.05  | 63.50 | 82.55 | 9.53  | 44.45 | 28.58 | 19.1               | PHP 4-B154TB |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | A-3         | 2517 <sup>1)</sup> | 476.3             | 19.05  | 63.50 | 82.55 | 12.70 | 44.45 | 25.40 | 24.0               | PHP 4-B184TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

# Classical V-belt pulleys A/B taper bushed



Type A-1

Type A-2

Type A-3

| Section | Number of grooves | Pitch diameter Belt A PCD |      | Belt B PCD |      | Pulley type | Bushing number     | Dimensions        |        |       | F      | E     | L     | M     | Mass <sup>2)</sup> | Designation  |
|---------|-------------------|---------------------------|------|------------|------|-------------|--------------------|-------------------|--------|-------|--------|-------|-------|-------|--------------------|--------------|
|         |                   | mm                        | in.  | mm         | in.  |             |                    | Outer diameter OD | B Min. | Max.  |        |       |       |       |                    |              |
| –       | –                 | mm                        | in.  | mm         | in.  | –           | –                  | mm                |        |       |        |       |       |       | kg                 | –            |
| A/B     | 4                 | 497.8                     | 19.6 | 508.0      | 20.0 | A-3         | 3020               | 516.9             | 31.75  | 76.20 | 82.55  | 12.70 | 50.80 | 19.05 | 28.6               | PHP 4-B200TB |
|         |                   | 624.8                     | 24.6 | 635.0      | 25.0 | A-3         | 3030               | 643.9             | 31.75  | 76.20 | 82.55  | –     | 76.20 | 31.75 | 36.3               | PHP 4-B250TB |
|         |                   | 751.8                     | 29.6 | 762.0      | 30.0 | A-3         | 3030               | 770.9             | 31.75  | 76.20 | 82.55  | –     | 76.20 | 31.75 | 45.4               | PHP 4-B300TB |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | A-3         | 3030               | 974.1             | 31.75  | 76.20 | 82.55  | –     | 76.20 | 31.75 | 64.4               | PHP 4-B380TB |
| A/B     | 5                 | 76.2                      | 3.0  | 86.4       | 3.4  | A-1         | 1210               | 95.3              | 15.88  | 31.75 | 101.60 | 63.50 | 38.10 | –     | 2.3                | PHP 5-B34TB  |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | A-1         | 1210               | 100.3             | 15.88  | 31.75 | 101.60 | 63.50 | 38.10 | –     | 2.5                | PHP 5-B36TB  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | A-1         | 1215               | 105.4             | 15.88  | 41.28 | 101.60 | 63.50 | 38.10 | –     | 2.7                | PHP 5-B38TB  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | A-1         | 1215               | 110.5             | 15.88  | 41.28 | 101.60 | 63.50 | 38.10 | –     | 3.0                | PHP 5-B40TB  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | A-1         | 1615               | 115.6             | 12.70  | 41.28 | 101.60 | 63.50 | 38.10 | –     | 3.2                | PHP 5-B42TB  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1         | 1615               | 120.7             | 12.70  | 41.28 | 101.60 | 63.50 | 38.10 | –     | 3.6                | PHP 5-B44TB  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1         | 1615               | 125.7             | 12.70  | 41.28 | 101.60 | 63.50 | 38.10 | –     | 4.1                | PHP 5-B46TB  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1         | 1615               | 135.9             | 12.70  | 41.28 | 101.60 | 22.23 | 38.10 | –     | 4.8                | PHP 5-B50TB  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1         | 1615               | 141.0             | 12.70  | 41.28 | 101.60 | 22.23 | 38.10 | –     | 5.1                | PHP 5-B52TB  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1         | 2517 <sup>1)</sup> | 146.1             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 5.2                | PHP 5-B54TB  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1         | 2517 <sup>1)</sup> | 151.1             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 5.4                | PHP 5-B56TB  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1         | 2517 <sup>1)</sup> | 161.3             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 6.4                | PHP 5-B60TB  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1         | 2517 <sup>1)</sup> | 171.5             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 7.3                | PHP 5-B64TB  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1         | 2517 <sup>1)</sup> | 181.6             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 8.2                | PHP 5-B68TB  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 10.0               | PHP 5-B74TB  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | A-2         | 2517 <sup>1)</sup> | 227.3             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 10.9               | PHP 5-B86TB  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | A-2         | 2517 <sup>1)</sup> | 247.7             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 11.8               | PHP 5-B94TB  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | A-2         | 2517 <sup>1)</sup> | 288.3             | 19.05  | 63.50 | 101.60 | 57.15 | 44.45 | –     | 15.9               | PHP 5-B110TB |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | A-3         | 2517 <sup>1)</sup> | 323.9             | 19.05  | 63.50 | 101.60 | 19.05 | 44.45 | 38.10 | 18.1               | PHP 5-B124TB |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | A-3         | 2517 <sup>1)</sup> | 400.1             | 19.05  | 63.50 | 101.60 | 19.05 | 44.45 | 38.10 | 21.3               | PHP 5-B154TB |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | A-3         | 2517 <sup>1)</sup> | 476.3             | 19.05  | 63.50 | 101.60 | 19.05 | 44.45 | 38.10 | 23.6               | PHP 5-B184TB |
|         |                   | 497.8                     | 19.6 | 508.0      | 20.0 | A-3         | 3030               | 516.9             | 31.75  | 76.20 | 101.60 | 6.35  | 76.20 | 19.05 | 34.0               | PHP 5-B200TB |
|         |                   | 624.8                     | 24.6 | 635.0      | 25.0 | A-3         | 3030               | 643.9             | 31.75  | 76.20 | 101.60 | 6.35  | 76.20 | 19.05 | 36.7               | PHP 5-B250TB |
|         |                   | 751.8                     | 29.6 | 762.0      | 30.0 | A-3         | 3030               | 770.9             | 31.75  | 76.20 | 101.60 | 6.35  | 76.20 | 19.05 | 49.4               | PHP 5-B300TB |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | A-3         | 3030               | 974.1             | 31.75  | 76.20 | 101.60 | 6.35  | 76.20 | 19.05 | 71.7               | PHP 5-B380TB |
| A/B     | 6                 | 96.5                      | 3.8  | 106.7      | 4.2  | A-1         | 1615               | 115.6             | 12.70  | 41.28 | 120.65 | 82.55 | 38.10 | –     | 3.6                | PHP 6-B42TB  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1         | 1615               | 120.7             | 12.70  | 41.28 | 120.65 | 82.55 | 38.10 | –     | 4.1                | PHP 6-B44TB  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1         | 1615               | 125.7             | 12.70  | 41.28 | 120.65 | 82.55 | 38.10 | –     | 4.5                | PHP 6-B46TB  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1         | 1615               | 135.9             | 12.70  | 41.28 | 120.65 | 31.75 | 38.10 | 50.80 | 5.4                | PHP 6-B50TB  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1         | 1615               | 141.0             | 12.70  | 41.28 | 120.65 | 31.75 | 38.10 | 50.80 | 5.8                | PHP 6-B52TB  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1         | 1615               | 146.1             | 12.70  | 41.28 | 120.65 | 31.75 | 38.10 | 50.80 | 6.2                | PHP 6-B54TB  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1         | 1615               | 151.1             | 12.70  | 41.28 | 120.65 | 31.75 | 38.10 | 50.80 | 6.6                | PHP 6-B56TB  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1         | 2517 <sup>1)</sup> | 161.3             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 7.3                | PHP 6-B60TB  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1         | 2517 <sup>1)</sup> | 171.5             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 8.9                | PHP 6-B64TB  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1         | 2517 <sup>1)</sup> | 181.6             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 9.5                | PHP 6-B68TB  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 11.3               | PHP 6-B74TB  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | A-2         | 2517 <sup>1)</sup> | 227.3             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 12.3               | PHP 6-B86TB  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | A-2         | 2517 <sup>1)</sup> | 247.7             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 12.7               | PHP 6-B94TB  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | A-2         | 2517 <sup>1)</sup> | 288.3             | 19.05  | 63.50 | 120.65 | 76.20 | 44.45 | –     | 15.4               | PHP 6-B110TB |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | A-3         | 2517 <sup>1)</sup> | 323.9             | 19.05  | 63.50 | 120.65 | 28.58 | 44.45 | 47.63 | 19.5               | PHP 6-B124TB |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | A-3         | 2517 <sup>1)</sup> | 400.1             | 19.05  | 63.50 | 120.65 | 38.10 | 44.45 | 38.10 | 23.6               | PHP 6-B154TB |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | A-3         | 2517 <sup>1)</sup> | 476.3             | 19.05  | 63.50 | 120.65 | 38.10 | 44.45 | 38.10 | 28.1               | PHP 6-B184TB |
|         |                   | 497.8                     | 19.6 | 508.0      | 20.0 | A-3         | 3030               | 516.9             | 31.75  | 76.20 | 120.65 | 12.70 | 76.20 | 31.75 | 38.6               | PHP 6-B200TB |
|         |                   | 624.8                     | 24.6 | 635.0      | 25.0 | A-3         | 3030               | 643.9             | 31.75  | 76.20 | 120.65 | 12.70 | 76.20 | 31.75 | 45.4               | PHP 6-B250TB |
|         |                   | 751.8                     | 29.6 | 762.0      | 30.0 | A-3         | 3030               | 770.9             | 31.75  | 76.20 | 120.65 | 12.70 | 76.20 | 31.75 | 62.1               | PHP 6-B300TB |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | A-3         | 3030               | 974.1             | 31.75  | 76.20 | 120.65 | 12.70 | 76.20 | 31.75 | 76.2               | PHP 6-B380TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

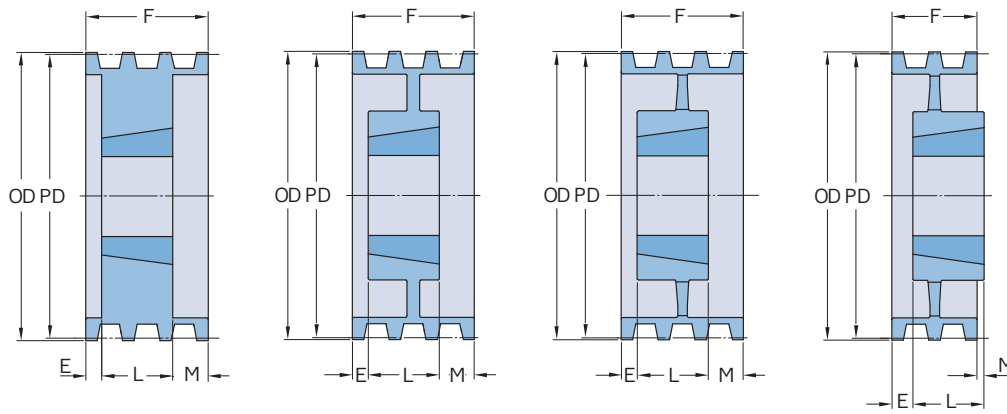
<sup>2)</sup> Mass does not include bushings.

# Classical V-belt pulleys A/B taper bushed

| Section | Number of grooves | Pitch diameter |      |            |      | Pulley type | Bushing number     | Dimensions        |        | Max.   | F      | E     | L      | M     | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------|------------|------|-------------|--------------------|-------------------|--------|--------|--------|-------|--------|-------|--------------------|---------------|
|         |                   | Belt A PCD     |      | Belt B PCD |      |             |                    | Outer diameter OD | B Min. |        |        |       |        |       |                    |               |
| –       | –                 | mm             | in.  | mm         | in.  | –           | –                  | mm                |        |        |        |       |        |       | kg                 | –             |
| A/B     | 8                 | 127.0          | 5.0  | 137.2      | 5.4  | A-1         | 2517 <sup>1)</sup> | 146.1             | 19.05  | 63.50  | 158.75 | 47.63 | 44.45  | 66.68 | 7.3                | PHP 8-B54TB   |
|         |                   | 132.1          | 5.2  | 142.2      | 5.6  | A-1         | 2517 <sup>1)</sup> | 151.1             | 19.05  | 63.50  | 158.75 | 47.63 | 44.45  | 66.68 | 7.7                | PHP 8-B56TB   |
|         |                   | 142.2          | 5.6  | 152.4      | 6.0  | A-1         | 2517 <sup>1)</sup> | 161.3             | 19.05  | 63.50  | 158.75 | 47.63 | 44.45  | 66.68 | 8.6                | PHP 8-B60TB   |
|         |                   | 152.4          | 6.0  | 162.6      | 6.4  | A-1         | 2517 <sup>1)</sup> | 171.5             | 19.05  | 63.50  | 158.75 | 47.63 | 44.45  | 66.68 | 9.5                | PHP 8-B64TB   |
|         |                   | 162.6          | 6.4  | 172.7      | 6.8  | A-1         | 2517 <sup>1)</sup> | 181.6             | 19.05  | 63.50  | 158.75 | 47.63 | 44.45  | 66.68 | 11.3               | PHP 8-B68TB   |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50  | 158.75 | 47.63 | 44.45  | 66.68 | 13.2               | PHP 8-B74TB   |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | A-1         | 3030               | 227.3             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 16.8               | PHP 8-B86TB   |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | A-2         | 3030               | 252.7             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 18.6               | PHP 8-B94TB   |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | A-2         | 3030               | 288.3             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 23.1               | PHP 8-B110TB  |
|         |                   | 304.8          | 12.0 | 315.0      | 12.4 | A-3         | 3030               | 323.9             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 25.4               | PHP 8-B124TB  |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | A-3         | 3030               | 400.1             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 31.3               | PHP 8-B154TB  |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | A-3         | 3030               | 476.3             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 44.9               | PHP 8-B184TB  |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | A-3         | 3030               | 516.9             | 31.75  | 76.20  | 158.75 | 25.40 | 76.20  | 57.15 | 52.2               | PHP 8-B200TB  |
|         |                   | 624.8          | 24.6 | 635.0      | 25.0 | A-3         | 3535 <sup>1)</sup> | 643.9             | 50.80  | 88.90  | 158.75 | 19.05 | 88.90  | 50.80 | 65.8               | PHP 8-B250TB  |
|         |                   | 751.8          | 29.6 | 762.0      | 30.0 | A-3         | 3535 <sup>1)</sup> | 770.9             | 50.80  | 88.90  | 158.75 | 19.05 | 88.90  | 50.80 | 77.1               | PHP 8-B300TB  |
|         |                   | 955.0          | 37.6 | 965.2      | 38.0 | A-3         | 4040               | 974.1             | 44.45  | 101.60 | 158.75 | 28.58 | 101.60 | 28.58 | 117.9              | PHP 8-B380TB  |
| A/B     | 10                | 127.0          | 5.0  | 137.2      | 5.4  | A-1         | 2517 <sup>1)</sup> | 146.1             | 19.05  | 63.50  | 196.85 | 76.20 | 44.45  | 76.20 | 8.2                | PHP 10-B54TB  |
|         |                   | 132.1          | 5.2  | 142.2      | 5.6  | A-1         | 2517 <sup>1)</sup> | 151.1             | 19.05  | 63.50  | 196.85 | 76.20 | 44.45  | 76.20 | 9.1                | PHP 10-B56TB  |
|         |                   | 142.2          | 5.6  | 152.4      | 6.0  | A-1         | 2517 <sup>1)</sup> | 161.3             | 19.05  | 63.50  | 196.85 | 76.20 | 44.45  | 76.20 | 10.0               | PHP 10-B60TB  |
|         |                   | 152.4          | 6.0  | 162.6      | 6.4  | A-1         | 2517 <sup>1)</sup> | 171.5             | 19.05  | 63.50  | 196.85 | 76.20 | 44.45  | 76.20 | 11.6               | PHP 10-B64TB  |
|         |                   | 162.6          | 6.4  | 172.7      | 6.8  | A-1         | 2517 <sup>1)</sup> | 181.6             | 19.05  | 63.50  | 196.85 | 76.20 | 44.45  | 76.20 | 12.7               | PHP 10-B68TB  |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | A-1         | 2517 <sup>1)</sup> | 196.9             | 19.05  | 63.50  | 196.85 | 76.20 | 44.45  | 76.20 | 15.9               | PHP 10-B74TB  |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | A-1         | 3030               | 227.3             | 31.75  | 76.20  | 196.85 | 50.80 | 76.20  | 69.85 | 19.5               | PHP 10-B86TB  |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | A-2         | 3030               | 252.7             | 31.75  | 76.20  | 196.85 | 50.80 | 76.20  | 69.85 | 20.9               | PHP 10-B94TB  |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | A-2         | 3030               | 288.3             | 31.75  | 76.20  | 196.85 | 50.80 | 76.20  | 69.85 | 23.6               | PHP 10-B110TB |
|         |                   |                |      |            |      |             |                    |                   |        |        |        |       |        |       |                    |               |
|         |                   |                |      |            |      |             |                    |                   |        |        |        |       |        |       |                    |               |
|         |                   |                |      |            |      |             |                    |                   |        |        |        |       |        |       |                    |               |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.  
<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
C taper bushed



Type A-1

Type A-2

Type A-3

Type B-3

| Section | Number of grooves | Pitch diameter |      | Pulley type | Bushing number     | Dimensions     |                    |        | F      | E     | L      | M     | Mass <sup>2)</sup> | Designation  |      |             |
|---------|-------------------|----------------|------|-------------|--------------------|----------------|--------------------|--------|--------|-------|--------|-------|--------------------|--------------|------|-------------|
|         |                   | PCD            |      |             |                    | Outer diameter | B                  | Max.   |        |       |        |       |                    |              |      |             |
| —       | —                 | mm             | in.  | —           | —                  | mm             | Min.               | Max.   |        |       |        |       | kg                 | —            |      |             |
| C       | 2                 | 177.8          | 7.0  | A-1         | 2517 <sup>1)</sup> | 188.0          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 6.8                | PHP 2-C70TB  |      |             |
|         |                   | 190.5          | 7.5  | A-1         | 2517 <sup>1)</sup> | 200.7          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 7.7                | PHP 2-C75TB  |      |             |
|         |                   | 203.2          | 8.0  | A-1         | 2517 <sup>1)</sup> | 213.4          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 9.1                | PHP 2-C80TB  |      |             |
|         |                   | 215.9          | 8.5  | A-2         | 2517 <sup>1)</sup> | 226.1          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 10.0               | PHP 2-C85TB  |      |             |
|         |                   | 228.6          | 9.0  | A-2         | 2517 <sup>1)</sup> | 238.8          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 10.4               | PHP 2-C90TB  |      |             |
|         |                   | 241.3          | 9.5  | A-2         | 2517 <sup>1)</sup> | 251.5          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 10.9               | PHP 2-C95TB  |      |             |
|         |                   | 254.0          | 10.0 | A-2         | 2517 <sup>1)</sup> | 264.2          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 11.3               | PHP 2-C100TB |      |             |
|         |                   | 266.7          | 10.5 | A-2         | 2517 <sup>1)</sup> | 276.9          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 11.8               | PHP 2-C105TB |      |             |
|         |                   | 279.4          | 11.0 | A-2         | 2517 <sup>1)</sup> | 289.6          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 12.3               | PHP 2-C110TB |      |             |
|         |                   | 304.8          | 12.0 | A-2         | 2517 <sup>1)</sup> | 315.0          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 15.0               | PHP 2-C120TB |      |             |
|         |                   | 330.2          | 13.0 | A-3         | 2517 <sup>1)</sup> | 340.4          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 15.9               | PHP 2-C130TB |      |             |
|         |                   | 355.6          | 14.0 | A-3         | 2517 <sup>1)</sup> | 365.8          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 16.3               | PHP 2-C140TB |      |             |
|         |                   | 406.4          | 16.0 | A-3         | 2517 <sup>1)</sup> | 416.6          | 19.05              | 63.50  | 60.33  | 15.88 | 44.45  | —     | 19.1               | PHP 2-C160TB |      |             |
|         |                   | 457.2          | 18.0 | A-3         | 3020               | 467.4          | 31.75              | 76.20  | 60.33  | —     | 50.80  | 9.53  | 19.1               | PHP 2-C180TB |      |             |
|         |                   | 508.0          | 20.0 | A-3         | 3020               | 518.2          | 31.75              | 76.20  | 60.33  | —     | 50.80  | 9.53  | 20.4               | PHP 2-C200TB |      |             |
|         |                   | 609.6          | 24.0 | A-3         | 3020               | 619.8          | 31.75              | 76.20  | 60.33  | —     | 50.80  | 9.53  | 32.7               | PHP 2-C240TB |      |             |
|         |                   | C              | 3    | 177.8       | 7.0                | A-1            | 2517 <sup>1)</sup> | 188.0  | 19.05  | 63.50 | 85.73  | 6.35  | 44.45              | 34.93        | 8.2  | PHP 3-C70TB |
|         |                   |                |      | 190.5       | 7.5                | A-1            | 2517 <sup>1)</sup> | 200.7  | 19.05  | 63.50 | 85.73  | 6.35  | 44.45              | 34.93        | 9.1  | PHP 3-C75TB |
|         |                   |                |      | 203.2       | 8.0                | A-1            | 2517 <sup>1)</sup> | 213.4  | 19.05  | 63.50 | 85.73  | 6.35  | 44.45              | 34.93        | 10.0 | PHP 3-C80TB |
|         |                   |                |      | 215.9       | 8.5                | A-2            | 2517 <sup>1)</sup> | 226.1  | 19.05  | 63.50 | 85.73  | 6.35  | 44.45              | 34.93        | 10.4 | PHP 3-C85TB |
| 228.6   | 9.0               |                |      | A-2         | 2517 <sup>1)</sup> | 238.8          | 19.05              | 63.50  | 85.73  | 6.35  | 44.45  | 34.93 | 10.9               | PHP 3-C90TB  |      |             |
| 241.3   | 9.5               |                |      | A-2         | 2517 <sup>1)</sup> | 251.5          | 19.05              | 63.50  | 85.73  | 6.35  | 44.45  | 34.93 | 12.3               | PHP 3-C95TB  |      |             |
| 254.0   | 10.0              |                |      | A-2         | 2517 <sup>1)</sup> | 264.2          | 19.05              | 63.50  | 85.73  | 6.35  | 44.45  | 34.93 | 13.2               | PHP 3-C100TB |      |             |
| 266.7   | 10.5              |                |      | A-2         | 2517 <sup>1)</sup> | 276.9          | 19.05              | 63.50  | 85.73  | 6.35  | 44.45  | 34.93 | 14.5               | PHP 3-C105TB |      |             |
| 279.4   | 11.0              |                |      | A-2         | 2517 <sup>1)</sup> | 289.6          | 19.05              | 63.50  | 85.73  | 6.35  | 44.45  | 34.93 | 15.9               | PHP 3-C110TB |      |             |
| 304.8   | 12.0              |                |      | A-2         | 3020               | 315.0          | 31.75              | 76.20  | 85.73  | —     | 50.80  | 34.93 | 20.0               | PHP 3-C120TB |      |             |
| 330.2   | 13.0              |                |      | A-3         | 3020               | 340.4          | 31.75              | 76.20  | 85.73  | —     | 50.80  | 34.93 | 22.2               | PHP 3-C130TB |      |             |
| 355.6   | 14.0              |                |      | A-3         | 3020               | 365.8          | 31.75              | 76.20  | 85.73  | —     | 50.80  | 34.93 | 22.7               | PHP 3-C140TB |      |             |
| 406.4   | 16.0              |                |      | A-3         | 3020               | 416.6          | 31.75              | 76.20  | 85.73  | —     | 50.80  | 34.93 | 29.0               | PHP 3-C160TB |      |             |
| 457.2   | 18.0              |                |      | A-3         | 3030               | 467.4          | 31.75              | 76.20  | 85.73  | —     | 76.20  | 9.53  | 29.0               | PHP 3-C180TB |      |             |
| 508.0   | 20.0              |                |      | A-3         | 3030               | 518.2          | 31.75              | 76.20  | 85.73  | —     | 76.20  | 9.53  | 35.4               | PHP 3-C200TB |      |             |
| 609.6   | 24.0              |                |      | A-3         | 3030               | 619.8          | 31.75              | 76.20  | 85.73  | —     | 76.20  | 9.53  | 43.5               | PHP 3-C240TB |      |             |
| 762.0   | 30.0              |                |      | B-3         | 3535 <sup>1)</sup> | 772.2          | 50.80              | 88.90  | 85.73  | —     | 88.90  | 3.18  | 56.7               | PHP 3-C300TB |      |             |
| 914.4   | 36.0              |                |      | B-3         | 3535 <sup>1)</sup> | 924.6          | 50.80              | 88.90  | 85.73  | —     | 88.90  | 3.18  | 79.4               | PHP 3-C360TB |      |             |
| C       | 4                 |                |      | 177.8       | 7.0                | A-1            | 2517 <sup>1)</sup> | 188.0  | 19.05  | 63.50 | 111.13 | 12.70 | 44.45              | 53.98        | 9.1  | PHP 4-C70TB |
|         |                   |                |      | 190.5       | 7.5                | A-1            | 2517 <sup>1)</sup> | 200.7  | 19.05  | 63.50 | 111.13 | 12.70 | 44.45              | 53.98        | 10.4 | PHP 4-C75TB |
|         |                   | 203.2          | 8.0  | A-1         | 2517 <sup>1)</sup> | 213.4          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 11.3               | PHP 4-C80TB  |      |             |
|         |                   | 215.9          | 8.5  | A-2         | 2517 <sup>1)</sup> | 226.1          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 11.8               | PHP 4-C85TB  |      |             |
|         |                   | 228.6          | 9.0  | A-2         | 2517 <sup>1)</sup> | 238.8          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 12.3               | PHP 4-C90TB  |      |             |
|         |                   | 241.3          | 9.5  | A-2         | 2517 <sup>1)</sup> | 251.5          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 16.3               | PHP 4-C95TB  |      |             |
|         |                   | 254.0          | 10.0 | A-2         | 2517 <sup>1)</sup> | 264.2          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 17.7               | PHP 4-C100TB |      |             |
|         |                   | 266.7          | 10.5 | A-2         | 2517 <sup>1)</sup> | 276.9          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 19.1               | PHP 4-C105TB |      |             |
|         |                   | 279.4          | 11.0 | A-2         | 2517 <sup>1)</sup> | 289.6          | 19.05              | 63.50  | 111.13 | 12.70 | 44.45  | 53.98 | 20.4               | PHP 4-C110TB |      |             |
|         |                   | 304.8          | 12.0 | A-2         | 3030 <sup>1)</sup> | 315.0          | 19.05              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 21.3               | PHP 4-C120TB |      |             |
|         |                   | 330.2          | 13.0 | A-3         | 3030               | 340.4          | 31.75              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 23.1               | PHP 4-C130TB |      |             |
|         |                   | 355.6          | 14.0 | A-3         | 3030               | 365.8          | 31.75              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 24.5               | PHP 4-C140TB |      |             |
|         |                   | 406.4          | 16.0 | A-3         | 3030               | 416.6          | 31.75              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 32.2               | PHP 4-C160TB |      |             |
|         |                   | 457.2          | 18.0 | A-3         | 3030               | 467.4          | 31.75              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 36.7               | PHP 4-C180TB |      |             |
|         |                   | 508.0          | 20.0 | A-3         | 3030               | 518.2          | 31.75              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 38.1               | PHP 4-C200TB |      |             |
|         |                   | 609.6          | 24.0 | A-3         | 3030               | 619.8          | 31.75              | 76.20  | 111.13 | —     | 76.20  | 34.93 | 52.6               | PHP 4-C240TB |      |             |
|         |                   | 762.0          | 30.0 | A-3         | 3535 <sup>1)</sup> | 772.2          | 50.80              | 88.90  | 111.13 | —     | 88.90  | 22.23 | 74.4               | PHP 4-C300TB |      |             |
|         |                   | 914.4          | 36.0 | A-3         | 3535 <sup>1)</sup> | 924.6          | 50.80              | 88.90  | 111.13 | —     | 88.90  | 22.23 | 87.1               | PHP 4-C360TB |      |             |
|         |                   | 1117.6         | 44.0 | A-3         | 4040               | 1127.8         | 44.45              | 101.60 | 111.13 | —     | 101.60 | 9.53  | 127.9              | PHP 4-C440TB |      |             |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

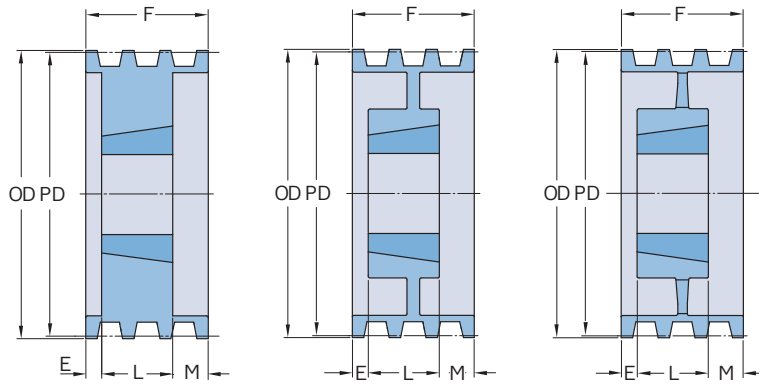
Classical V-belt pulleys  
C taper bushed

| Section | Number of grooves | Pitch diameter |      | Pulley type | Bushing number     | Dimensions        |        | Max.   | F      | E     | L      | M      | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------|-------------|--------------------|-------------------|--------|--------|--------|-------|--------|--------|--------------------|---------------|
|         |                   | PCD            |      |             |                    | Outer diameter OD | B Min. |        |        |       |        |        |                    |               |
| –       | –                 | mm             | in.  | –           | –                  | mm                |        |        |        |       |        |        | kg                 | –             |
| C       | 5                 | 177.8          | 7.0  | A-1         | 2517 <sup>1)</sup> | 188.0             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 10.4               | PHP 5-C70TB   |
|         |                   | 190.5          | 7.5  | A-1         | 2517 <sup>1)</sup> | 200.7             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 11.8               | PHP 5-C75TB   |
|         |                   | 203.2          | 8.0  | A-1         | 2517 <sup>1)</sup> | 213.4             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 13.6               | PHP 5-C80TB   |
|         |                   | 215.9          | 8.5  | A-1         | 2517 <sup>1)</sup> | 226.1             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 15.4               | PHP 5-C85TB   |
|         |                   | 228.6          | 9.0  | A-2         | 2517 <sup>1)</sup> | 238.8             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 15.9               | PHP 5-C90TB   |
|         |                   | 241.3          | 9.5  | A-2         | 2517 <sup>1)</sup> | 251.5             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 16.3               | PHP 5-C95TB   |
|         |                   | 254.0          | 10.0 | A-2         | 2517 <sup>1)</sup> | 264.2             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 17.7               | PHP 5-C100TB  |
|         |                   | 266.7          | 10.5 | A-2         | 2517 <sup>1)</sup> | 276.9             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 19.1               | PHP 5-C105TB  |
|         |                   | 279.4          | 11.0 | A-2         | 2517 <sup>1)</sup> | 289.6             | 19.05  | 63.50  | 136.53 | 38.10 | 44.45  | 53.98  | 19.5               | PHP 5-C110TB  |
|         |                   | 304.8          | 12.0 | A-2         | 3030               | 315.0             | 31.75  | 76.20  | 136.53 | 12.70 | 76.20  | 47.63  | 26.3               | PHP 5-C120TB  |
|         |                   | 330.2          | 13.0 | A-3         | 3030               | 340.4             | 31.75  | 76.20  | 136.53 | 12.70 | 76.20  | 47.63  | 28.6               | PHP 5-C130TB  |
|         |                   | 355.6          | 14.0 | A-3         | 3030               | 365.8             | 31.75  | 76.20  | 136.53 | 12.70 | 76.20  | 47.63  | 29.5               | PHP 5-C140TB  |
|         |                   | 406.4          | 16.0 | A-3         | 3030               | 416.6             | 31.75  | 76.20  | 136.53 | 12.70 | 76.20  | 47.63  | 31.8               | PHP 5-C160TB  |
|         |                   | 457.2          | 18.0 | A-3         | 3030               | 467.4             | 31.75  | 76.20  | 136.53 | 12.70 | 76.20  | 47.63  | 37.7               | PHP 5-C180TB  |
|         |                   | 508.0          | 20.0 | A-3         | 3535 <sup>1)</sup> | 518.2             | 50.80  | 88.90  | 136.53 | –     | 88.90  | 47.63  | 49.9               | PHP 5-C200TB  |
|         |                   | 609.6          | 24.0 | A-3         | 3535 <sup>1)</sup> | 619.8             | 50.80  | 88.90  | 136.53 | –     | 88.90  | 47.63  | 62.6               | PHP 5-C240TB  |
|         |                   | 762.0          | 30.0 | A-3         | 3535 <sup>1)</sup> | 772.2             | 50.80  | 88.90  | 136.53 | –     | 88.90  | 47.63  | 79.8               | PHP 5-C300TB  |
|         |                   | 914.4          | 36.0 | A-3         | 4040               | 924.6             | 44.45  | 101.60 | 136.53 | 6.35  | 101.60 | 28.58  | 110.7              | PHP 5-C360TB  |
|         |                   | 1117.6         | 44.0 | A-3         | 4040               | 1127.8            | 44.45  | 101.60 | 136.53 | 6.35  | 101.60 | 28.58  | 130.6              | PHP 5-C440TB  |
| C       | 6                 | 177.8          | 7.0  | A-1         | 3030               | 188.0             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 13.6               | PHP 6-C70TB   |
|         |                   | 190.5          | 7.5  | A-1         | 3030               | 200.7             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 14.1               | PHP 6-C75TB   |
|         |                   | 203.2          | 8.0  | A-1         | 3030               | 213.4             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 15.9               | PHP 6-C80TB   |
|         |                   | 215.9          | 8.5  | A-1         | 3030               | 226.1             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 18.1               | PHP 6-C85TB   |
|         |                   | 228.6          | 9.0  | A-1         | 3030               | 238.8             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 21.3               | PHP 6-C90TB   |
|         |                   | 241.3          | 9.5  | A-1         | 3030               | 251.5             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 24.0               | PHP 6-C95TB   |
|         |                   | 254.0          | 10.0 | A-1         | 3030               | 264.2             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 25.9               | PHP 6-C100TB  |
|         |                   | 266.7          | 10.5 | A-2         | 3030               | 276.9             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 26.3               | PHP 6-C105TB  |
|         |                   | 279.4          | 11.0 | A-2         | 3030               | 289.6             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 29.9               | PHP 6-C110TB  |
|         |                   | 304.8          | 12.0 | A-2         | 3030               | 315.0             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 31.8               | PHP 6-C120TB  |
|         |                   | 330.2          | 13.0 | A-3         | 3030               | 340.4             | 31.75  | 76.20  | 161.93 | 25.40 | 76.20  | 60.33  | 34.0               | PHP 6-C130TB  |
|         |                   | 355.6          | 14.0 | A-3         | 3535 <sup>1)</sup> | 365.8             | 50.80  | 88.90  | 161.93 | 12.70 | 88.90  | 60.33  | 36.3               | PHP 6-C140TB  |
|         |                   | 406.4          | 16.0 | A-3         | 3535 <sup>1)</sup> | 416.6             | 50.80  | 88.90  | 161.93 | 12.70 | 88.90  | 60.33  | 39.5               | PHP 6-C160TB  |
|         |                   | 457.2          | 18.0 | A-3         | 3535 <sup>1)</sup> | 467.4             | 50.80  | 88.90  | 161.93 | 12.70 | 88.90  | 60.33  | 46.3               | PHP 6-C180TB  |
|         |                   | 508.0          | 20.0 | A-3         | 3535 <sup>1)</sup> | 518.2             | 50.80  | 88.90  | 161.93 | 12.70 | 88.90  | 60.33  | 57.2               | PHP 6-C200TB  |
|         |                   | 609.6          | 24.0 | A-3         | 3535 <sup>1)</sup> | 619.8             | 50.80  | 88.90  | 161.93 | 12.70 | 88.90  | 60.33  | 68.0               | PHP 6-C240TB  |
|         |                   | 762.0          | 30.0 | A-3         | 4040               | 772.2             | 44.45  | 101.60 | 161.93 | 25.40 | 101.60 | 34.93  | 102.5              | PHP 6-C300TB  |
|         |                   | 914.4          | 36.0 | A-3         | 4040               | 924.6             | 44.45  | 101.60 | 161.93 | 25.40 | 101.60 | 34.93  | 122.5              | PHP 6-C360TB  |
|         |                   | 1117.6         | 44.0 | A-3         | 4040               | 1127.8            | 44.45  | 101.60 | 161.93 | 25.40 | 101.60 | 34.93  | 145.2              | PHP 6-C440TB  |
| C       | 8                 | 203.2          | 8.0  | A-1         | 3030               | 213.4             | 31.75  | 76.20  | 212.73 | 50.80 | 76.20  | 85.73  | 20.4               | PHP 8-C80TB   |
|         |                   | 215.9          | 8.5  | A-1         | 3030               | 226.1             | 31.75  | 76.20  | 212.73 | 50.80 | 76.20  | 85.73  | 21.3               | PHP 8-C85TB   |
|         |                   | 228.6          | 9.0  | A-1         | 3535 <sup>1)</sup> | 238.8             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 29.0               | PHP 8-C90TB   |
|         |                   | 241.3          | 9.5  | A-1         | 3535 <sup>1)</sup> | 251.5             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 30.4               | PHP 8-C95TB   |
|         |                   | 254.0          | 10.0 | A-1         | 3535 <sup>1)</sup> | 264.2             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 31.8               | PHP 8-C100TB  |
|         |                   | 266.7          | 10.5 | A-1         | 3535 <sup>1)</sup> | 276.9             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 38.1               | PHP 8-C105TB  |
|         |                   | 279.4          | 11.0 | A-1         | 3535 <sup>1)</sup> | 289.6             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 39.5               | PHP 8-C110TB  |
|         |                   | 304.8          | 12.0 | A-2         | 3535 <sup>1)</sup> | 315.0             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 40.8               | PHP 8-C120TB  |
|         |                   | 330.2          | 13.0 | A-2         | 3535 <sup>1)</sup> | 340.4             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 44.0               | PHP 8-C130TB  |
|         |                   | 355.6          | 14.0 | A-2         | 3535 <sup>1)</sup> | 365.8             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 47.6               | PHP 8-C140TB  |
|         |                   | 406.4          | 16.0 | A-3         | 3535 <sup>1)</sup> | 416.6             | 50.80  | 88.90  | 212.73 | 38.10 | 88.90  | 85.73  | 52.2               | PHP 8-C160TB  |
|         |                   | 457.2          | 18.0 | A-3         | 4040               | 467.4             | 44.45  | 101.60 | 212.73 | 38.10 | 101.60 | 73.03  | 62.1               | PHP 8-C180TB  |
|         |                   | 508.0          | 20.0 | A-3         | 4040               | 518.2             | 44.45  | 101.60 | 212.73 | 38.10 | 101.60 | 73.03  | 81.7               | PHP 8-C200TB  |
|         |                   | 609.6          | 24.0 | A-3         | 4040               | 619.8             | 44.45  | 101.60 | 212.73 | 38.10 | 101.60 | 73.03  | 93.0               | PHP 8-C240TB  |
|         |                   | 762.0          | 30.0 | A-3         | 4040               | 772.2             | 44.45  | 101.60 | 212.73 | 38.10 | 101.60 | 73.03  | 119.3              | PHP 8-C300TB  |
|         |                   | 914.4          | 36.0 | A-3         | 4545               | 924.6             | 57.15  | 114.30 | 212.73 | 31.75 | 114.30 | 66.68  | 155.6              | PHP 8-C360TB  |
|         |                   | 1117.6         | 44.0 | A-3         | 4545               | 1127.8            | 57.15  | 114.30 | 212.73 | 31.75 | 114.30 | 66.68  | 196.0              | PHP 8-C440TB  |
| C       | 10                | 228.6          | 9.0  | A-1         | 4545               | 238.8             | 57.15  | 114.30 | 263.53 | 38.10 | 114.30 | 111.13 | 25.9               | PHP 10-C90TB  |
|         |                   | 241.3          | 9.5  | A-1         | 4545               | 251.5             | 57.15  | 114.30 | 263.53 | 38.10 | 114.30 | 111.13 | 29.9               | PHP 10-C95TB  |
|         |                   | 254.0          | 10.0 | A-1         | 4545               | 264.2             | 57.15  | 114.30 | 263.53 | 38.10 | 114.30 | 111.13 | 34.9               | PHP 10-C100TB |
|         |                   | 266.7          | 10.5 | A-1         | 4545               | 276.9             | 57.15  | 114.30 | 263.53 | 38.10 | 114.30 | 111.13 | 39.5               | PHP 10-C105TB |
|         |                   | 279.4          | 11.0 | A-1         | 4545               | 289.6             | 57.15  | 114.30 | 263.53 | 38.10 | 114.30 | 111.13 | 44.5               | PHP 10-C110TB |
|         |                   | 304.8          | 12.0 | A-1         | 4545               | 315.0             | 57.15  | 114.30 | 263.53 | 38.10 | 114.30 | 111.13 | 54.9               | PHP 10-C120TB |
|         |                   | 330.2          | 13.0 | A-1         | 4545               | 340.4             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 66.2               | PHP 10-C130TB |
|         |                   | 355.6          | 14.0 | A-2         | 4545               | 365.8             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 78.5               | PHP 10-C140TB |
|         |                   | 406.4          | 16.0 | A-2         | 4545               | 416.6             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 105.7              | PHP 10-C160TB |
|         |                   | 457.2          | 18.0 | A-2         | 4545               | 467.4             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 79.8               | PHP 10-C180TB |
|         |                   | 508.0          | 20.0 | A-3         | 4545               | 518.2             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 91.2               | PHP 10-C200TB |
|         |                   | 609.6          | 24.0 | A-3         | 4545               | 619.8             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 110.2              | PHP 10-C240TB |
|         |                   | 762.0          | 30.0 | A-3         | 4545               | 772.2             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 145.2              | PHP 10-C300TB |
|         |                   | 914.4          | 36.0 | A-3         | 4545               | 924.6             | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 210.5              | PHP 10-C360TB |
|         |                   | 1117.6         | 44.0 | A-3         | 4545               | 1127.8            | 57.15  | 114.30 | 263.53 | 50.80 | 114.30 | 98.43  | 230.4              | PHP 10-C440TB |
| C       | 12                | 228.6          | 9.0  | A-1         | 4040               | 238.8             | 44.45  | 101.60 | 314.33 | 88.90 | 101.60 | 123.83 | 29.5               | PHP 12-C90TB  |
|         |                   | 241.3          | 9.5  | A-1         | 4040               | 251.5             | 44.45  | 101.60 | 314.33 | 88.90 | 101.60 | 123.83 | 34.0               | PHP 12-C95TB  |
|         |                   | 254.0          | 10.0 | A-1         | 4040               | 264.2             | 44.45  | 101.60 | 314.33 | 88.90 | 101.60 | 123.83 | 38.6               | PHP 12-C100TB |
|         |                   |                |      |             |                    |                   |        |        |        |       |        |        |                    |               |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
C taper bushed | D taper bushed



Type A-1

Type A-2

Type A-3

| Section | Number of grooves | Pitch diameter |      | Pulley type | Bushing number     | Dimensions        |        | F      | E      | L      | M      | Mass <sup>2)</sup> | Designation |               |      |              |
|---------|-------------------|----------------|------|-------------|--------------------|-------------------|--------|--------|--------|--------|--------|--------------------|-------------|---------------|------|--------------|
|         |                   | PCD            |      |             |                    | Outer diameter OD | B Min. |        |        |        |        |                    |             | Max.          |      |              |
| —       | —                 | mm             | in.  | —           | —                  | mm                |        |        |        |        |        | kg                 | —           |               |      |              |
| C       | 12                | 266.7          | 10.5 | A-1         | 4040               | 276.9             | 44.45  | 101.60 | 314.33 | 88.90  | 101.60 | 123.83             | 43.1        | PHP 12-C105TB |      |              |
|         |                   | 279.4          | 11.0 | A-1         | 4040               | 289.6             | 44.45  | 101.60 | 314.33 | 88.90  | 101.60 | 123.83             | 47.2        | PHP 12-C110TB |      |              |
|         |                   | 304.8          | 12.0 | A-1         | 4040               | 315.0             | 44.45  | 101.60 | 314.33 | 88.90  | 101.60 | 123.83             | 57.2        | PHP 12-C120TB |      |              |
|         |                   | 330.2          | 13.0 | A-1         | 4545               | 340.4             | 57.15  | 114.30 | 314.33 | 76.20  | 114.30 | 123.83             | 70.8        | PHP 12-C130TB |      |              |
|         |                   | 355.6          | 14.0 | A-1         | 4545               | 365.8             | 57.15  | 114.30 | 314.33 | 76.20  | 114.30 | 123.83             | 83.5        | PHP 12-C140TB |      |              |
| D       | 4                 | 304.8          | 12.0 | A-2         | 3535 <sup>1)</sup> | 320.0             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 28.6        | PHP 4-D120TB  |      |              |
|         |                   | 330.2          | 13.0 | A-2         | 3535 <sup>1)</sup> | 345.4             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 33.1        | PHP 4-D130TB  |      |              |
|         |                   | 342.9          | 13.5 | A-2         | 3535 <sup>1)</sup> | 358.1             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 35.4        | PHP 4-D135TB  |      |              |
|         |                   | 355.6          | 14.0 | A-2         | 3535 <sup>1)</sup> | 370.8             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 37.7        | PHP 4-D140TB  |      |              |
|         |                   | 368.3          | 14.5 | A-2         | 3535 <sup>1)</sup> | 383.5             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 42.6        | PHP 4-D145TB  |      |              |
|         |                   | 381.0          | 15.0 | A-2         | 3535 <sup>1)</sup> | 396.2             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 42.6        | PHP 4-D150TB  |      |              |
|         |                   | 393.7          | 15.5 | A-2         | 3535 <sup>1)</sup> | 408.9             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 44.9        | PHP 4-D155TB  |      |              |
|         |                   | 406.4          | 16.0 | A-2         | 3535 <sup>1)</sup> | 421.6             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 47.2        | PHP 4-D160TB  |      |              |
|         |                   | 457.2          | 18.0 | A-3         | 3535 <sup>1)</sup> | 472.4             | 50.80  | 88.90  | 153.99 | 19.05  | 88.90  | 46.04              | 49.4        | PHP 4-D180TB  |      |              |
|         |                   | 558.8          | 22.0 | A-3         | 4040               | 574.0             | 44.45  | 101.60 | 153.99 | 19.05  | 101.60 | 33.34              | 64.4        | PHP 4-D220TB  |      |              |
|         |                   | 685.8          | 27.0 | A-3         | 4040               | 701.0             | 44.45  | 101.60 | 153.99 | 19.05  | 101.60 | 33.34              | 82.6        | PHP 4-D270TB  |      |              |
|         |                   | D              | 5    | 304.8       | 12.0               | A-1               | 4040   | 320.0  | 44.45  | 101.60 | 190.50 | 6.35               | 101.60      | 69.85         | 37.2 | PHP 5-D120TB |
|         |                   |                |      | 330.2       | 13.0               | A-2               | 4040   | 345.4  | 44.45  | 101.60 | 190.50 | 19.05              | 101.60      | 69.85         | 39.5 | PHP 5-D130TB |
|         |                   |                |      | 342.9       | 13.5               | A-2               | 4040   | 358.1  | 44.45  | 101.60 | 190.50 | 19.05              | 101.60      | 69.85         | 41.7 | PHP 5-D135TB |
|         |                   |                |      | 355.6       | 14.0               | A-2               | 4040   | 370.8  | 44.45  | 101.60 | 190.50 | 19.05              | 101.60      | 69.85         | 44.0 | PHP 5-D140TB |
| 368.3   | 14.5              |                |      | A-2         | 4040               | 383.5             | 44.45  | 101.60 | 190.50 | 19.05  | 101.60 | 69.85              | 46.3        | PHP 5-D145TB  |      |              |
| D       | 6                 | 381.0          | 15.0 | A-2         | 4040               | 396.2             | 44.45  | 101.60 | 190.50 | 19.05  | 101.60 | 69.85              | 48.5        | PHP 5-D150TB  |      |              |
|         |                   | 393.7          | 15.5 | A-2         | 4040               | 408.9             | 44.45  | 101.60 | 190.50 | 19.05  | 101.60 | 69.85              | 50.8        | PHP 5-D155TB  |      |              |
|         |                   | 406.4          | 16.0 | A-2         | 4040               | 421.6             | 44.45  | 101.60 | 190.50 | 19.05  | 101.60 | 69.85              | 50.8        | PHP 5-D160TB  |      |              |
|         |                   | 457.2          | 18.0 | A-3         | 4040               | 472.4             | 44.45  | 101.60 | 190.50 | 25.40  | 101.60 | 63.50              | 59.9        | PHP 5-D180TB  |      |              |
|         |                   | 558.8          | 22.0 | A-3         | 4040               | 574.0             | 44.45  | 101.60 | 190.50 | 25.40  | 101.60 | 63.50              | 73.5        | PHP 5-D220TB  |      |              |
| D       | 7                 | 685.8          | 27.0 | A-3         | 4040               | 701.0             | 44.45  | 101.60 | 190.50 | 25.40  | 101.60 | 63.50              | 93.9        | PHP 5-D270TB  |      |              |
|         |                   | D              | 6    | 304.8       | 12.0               | A-1               | 4040   | 320.0  | 44.45  | 101.60 | 227.01 | 25.40              | 101.60      | 100.01        | 45.4 | PHP 6-D120TB |
|         |                   |                |      | 330.2       | 13.0               | A-2               | 4040   | 345.4  | 44.45  | 101.60 | 227.01 | 38.10              | 101.60      | 87.31         | 45.4 | PHP 6-D130TB |
|         |                   |                |      | 342.9       | 13.5               | A-2               | 4040   | 358.1  | 44.45  | 101.60 | 227.01 | 38.10              | 101.60      | 87.31         | 48.5 | PHP 6-D135TB |
|         |                   |                |      | 355.6       | 14.0               | A-2               | 4040   | 370.8  | 44.45  | 101.60 | 227.01 | 38.10              | 101.60      | 87.31         | 50.8 | PHP 6-D140TB |
| 368.3   | 14.5              |                |      | A-2         | 4040               | 383.5             | 44.45  | 101.60 | 227.01 | 38.10  | 101.60 | 87.31              | 53.1        | PHP 6-D145TB  |      |              |
| D       | 7                 | 381.0          | 15.0 | A-2         | 4040               | 396.2             | 44.45  | 101.60 | 227.01 | 38.10  | 101.60 | 87.31              | 55.3        | PHP 6-D150TB  |      |              |
|         |                   | 393.7          | 15.5 | A-2         | 4040               | 408.9             | 44.45  | 101.60 | 227.01 | 38.10  | 101.60 | 87.31              | 57.6        | PHP 6-D155TB  |      |              |
|         |                   | 406.4          | 16.0 | A-2         | 4040               | 421.6             | 44.45  | 101.60 | 227.01 | 38.10  | 101.60 | 87.31              | 79.4        | PHP 6-D160TB  |      |              |
|         |                   | 457.2          | 18.0 | A-2         | 4040               | 472.4             | 44.45  | 101.60 | 227.01 | 38.10  | 101.60 | 87.31              | 83.9        | PHP 6-D180TB  |      |              |
|         |                   | 558.8          | 22.0 | A-3         | 4040               | 574.0             | 44.45  | 101.60 | 227.01 | 38.10  | 101.60 | 87.31              | 95.3        | PHP 6-D220TB  |      |              |
| D       | 8                 | 685.8          | 27.0 | A-3         | 4545               | 701.0             | 57.15  | 114.30 | 227.01 | 44.45  | 114.30 | 68.26              | 117.9       | PHP 6-D270TB  |      |              |
|         |                   | 838.2          | 33.0 | A-3         | 4545               | 853.4             | 57.15  | 114.30 | 227.01 | 44.45  | 114.30 | 68.26              | 154.2       | PHP 6-D330TB  |      |              |
|         |                   | D              | 8    | 304.8       | 12.0               | A-1               | 4545   | 320.0  | 57.15  | 114.30 | 300.04 | 12.70              | 114.30      | 173.04        | 56.7 | PHP 8-D120TB |
|         |                   |                |      | 330.2       | 13.0               | A-1               | 4545   | 345.4  | 57.15  | 114.30 | 300.04 | 12.70              | 114.30      | 173.04        | 70.3 | PHP 8-D130TB |
|         |                   |                |      | 342.9       | 13.5               | A-2               | 4545   | 358.1  | 57.15  | 114.30 | 300.04 | 25.40              | 114.30      | 160.34        | 68.0 | PHP 8-D135TB |
| 355.6   | 14.0              |                |      | A-1         | 4545               | 370.8             | 57.15  | 114.30 | 300.04 | 25.40  | 114.30 | 160.34             | 70.3        | PHP 8-D140TB  |      |              |
| 368.3   | 14.5              |                |      | A-2         | 4545               | 383.5             | 57.15  | 114.30 | 300.04 | 50.80  | 114.30 | 134.94             | 70.3        | PHP 8-D145TB  |      |              |
| D       | 9                 | 381.0          | 15.0 | A-2         | 4545               | 396.2             | 57.15  | 114.30 | 300.04 | 50.80  | 114.30 | 134.94             | 61.2        | PHP 8-D150TB  |      |              |
|         |                   | 393.7          | 15.5 | A-2         | 4545               | 408.9             | 57.15  | 114.30 | 300.04 | 50.80  | 114.30 | 134.94             | 74.8        | PHP 8-D155TB  |      |              |
|         |                   | 406.4          | 16.0 | A-2         | 4545               | 421.6             | 57.15  | 114.30 | 300.04 | 50.80  | 114.30 | 134.94             | 74.8        | PHP 8-D160TB  |      |              |
|         |                   | 457.2          | 18.0 | A-2         | 4545               | 472.4             | 57.15  | 114.30 | 300.04 | 69.85  | 114.30 | 115.89             | 81.7        | PHP 8-D180TB  |      |              |
|         |                   | 558.8          | 22.0 | A-3         | 4545               | 574.0             | 57.15  | 114.30 | 300.04 | 69.85  | 114.30 | 115.89             | 124.7       | PHP 8-D220TB  |      |              |
| D       | 10                | 685.8          | 27.0 | A-3         | 4545               | 701.0             | 57.15  | 114.30 | 300.04 | 69.85  | 114.30 | 115.89             | 156.5       | PHP 8-D270TB  |      |              |
|         |                   | 838.2          | 33.0 | A-3         | 4545               | 853.4             | 57.15  | 114.30 | 300.04 | 69.85  | 114.30 | 115.89             | 206.4       | PHP 8-D330TB  |      |              |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

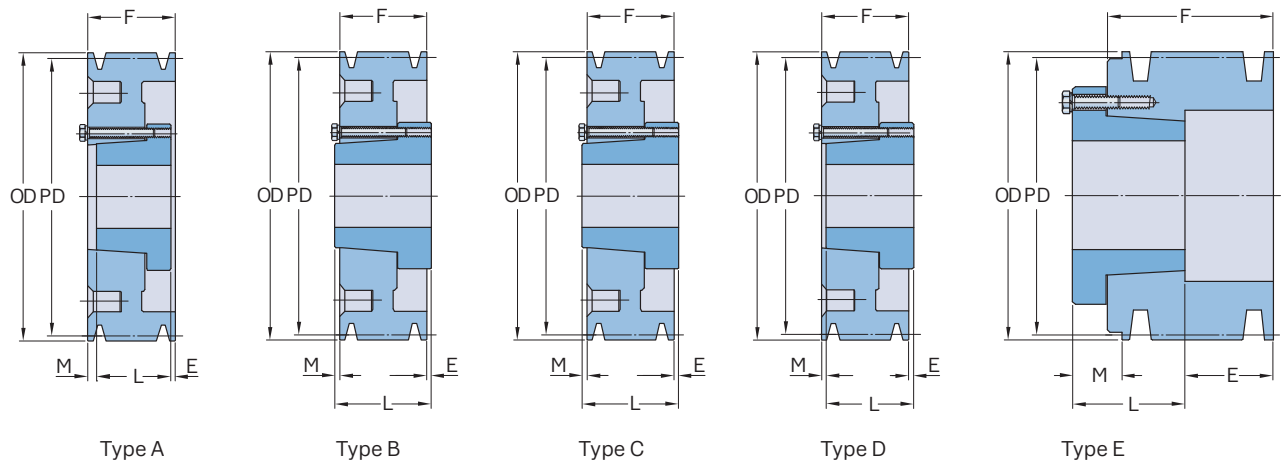
# Classical V-belt pulleys D taper bushed

| Section | Number of grooves | Pitch diameter |            | Pulley type | Bushing number | Dimensions        |        | Max.   | F      | E      | L      | M      | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------------|-------------|----------------|-------------------|--------|--------|--------|--------|--------|--------|--------------------|---------------|
|         |                   | PCD            |            |             |                | Outer diameter OD | B Min. |        |        |        |        |        |                    |               |
| –       | –                 | mm             | <i>in.</i> | –           | –              | mm                |        |        |        |        |        |        | kg                 | –             |
| D       | 10                | 304.8          | 12.0       | A-1         | 4545           | 320.0             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 63.5               | PHP 10-D120TB |
|         |                   | 330.2          | 13.0       | A-1         | 4545           | 345.4             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 77.1               | PHP 10-D130TB |
|         |                   | 342.9          | 13.5       | A-2         | 4545           | 358.1             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 77.1               | PHP 10-D135TB |
|         |                   | 355.6          | 14.0       | A-2         | 4545           | 370.8             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 79.4               | PHP 10-D140TB |
|         |                   | 368.3          | 14.5       | A-2         | 4545           | 383.5             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 81.7               | PHP 10-D145TB |
|         |                   | 381.0          | 15.0       | A-2         | 4545           | 396.2             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 88.5               | PHP 10-D150TB |
|         |                   | 393.7          | 15.5       | A-2         | 4545           | 408.9             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 79.4               | PHP 10-D155TB |
|         |                   | 406.4          | 16.0       | A-2         | 4545           | 421.6             | 57.15  | 114.30 | 373.06 | 60.33  | 114.30 | 198.44 | 88.5               | PHP 10-D160TB |
|         |                   | 457.2          | 18.0       | A-2         | 4545           | 472.4             | 57.15  | 114.30 | 373.06 | 101.60 | 114.30 | 157.16 | 88.5               | PHP 10-D180TB |
|         |                   | 558.8          | 22.0       | A-3         | 4545           | 574.0             | 57.15  | 114.30 | 373.06 | 101.60 | 114.30 | 157.16 | 154.2              | PHP 10-D220TB |
|         |                   | 685.8          | 27.0       | A-3         | 4545           | 701.0             | 57.15  | 114.30 | 373.06 | 101.60 | 114.30 | 157.16 | 188.2              | PHP 10-D270TB |
|         |                   | 838.2          | 33.0       | A-3         | 4545           | 853.4             | 57.15  | 114.30 | 373.06 | 107.95 | 114.30 | 150.81 | 220.0              | PHP 10-D330TB |

F

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.  
<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
A/B QD bushed



| Section | Number of grooves | Pitch diameter Belt A PCD |      | Belt B PCD |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |           | Max.  | E     | F     | L     | M     | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|---------------------------|------|------------|------|---------------------------|----------------|-------------------|-----------|-------|-------|-------|-------|-------|--------------------|---------------|
|         |                   | mm                        | in.  | mm         | in.  |                           |                | Outer diameter OD | Bore Min. |       |       |       |       |       |                    |               |
| –       | –                 | mm                        | in.  | mm         | in.  | –                         | –              | mm                |           |       |       |       |       |       | kg                 | –             |
| A/B     | 1                 | 76.2                      | 3.0  | 86.4       | 3.4  | E-1                       | SH             | 95.25             | 12.70     | 41.28 | 5.56  | 22.23 | 33.34 | 16.67 | 0.9                | PHP1-B34-SH   |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | D-1                       | SH             | 100.33            | 12.70     | 41.28 | 15.08 | 22.23 | 33.34 | 3.97  | 1.0                | PHP1-B36-SH   |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | D-1                       | SH             | 105.41            | 12.70     | 41.28 | 15.08 | 22.23 | 33.34 | 3.97  | 1.1                | PHP1-B38-SH   |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | C-1                       | SH             | 110.49            | 12.70     | 41.28 | 8.73  | 22.23 | 33.34 | 2.38  | 1.2                | PHP1-B40-SH   |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | C-1                       | SH             | 115.57            | 12.70     | 41.28 | 8.73  | 22.23 | 33.34 | 2.38  | 1.3                | PHP1-B42-SH   |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | C-1                       | SH             | 120.65            | 12.70     | 41.28 | 8.73  | 22.23 | 33.34 | 2.38  | 1.5                | PHP1-B44-SH   |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | C-1                       | SH             | 125.73            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 1.8                | PHP1-B46-SDS  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | C-1                       | SH             | 130.81            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.0                | PHP1-B48-SDS  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | C-1                       | SH             | 135.89            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.1                | PHP1-B50-SDS  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | C-1                       | SH             | 140.97            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.3                | PHP1-B52-SDS  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | C-1                       | SH             | 146.05            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.4                | PHP1-B54-SDS  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | C-1                       | SH             | 151.13            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.5                | PHP1-B56-SDS  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | C-2                       | SH             | 156.21            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.7                | PHP1-B58-SDS  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | C-2                       | SH             | 161.29            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 2.8                | PHP1-B60-SDS  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | C-2                       | SH             | 166.37            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 3.0                | PHP1-B62-SDS  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | C-2                       | SH             | 171.45            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 3.1                | PHP1-B64-SDS  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | C-2                       | SH             | 176.53            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 3.3                | PHP1-B66-SDS  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | C-3                       | SH             | 181.61            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 3.4                | PHP1-B68-SDS  |
|         |                   | 167.6                     | 6.6  | 177.8      | 7.0  | C-3                       | SH             | 186.69            | 12.70     | 50.80 | 8.73  | 22.23 | 33.34 | 2.38  | 3.5                | PHP1-B70-SDS  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | D-3                       | SH             | 196.85            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 4.0                | PHP1-B74-SDS  |
|         |                   | 193.0                     | 7.6  | 203.2      | 8.0  | D-3                       | SH             | 212.09            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 4.4                | PHP1-B80-SDS  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | D-3                       | SH             | 227.33            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 4.5                | PHP1-B86-SDS  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | D-3                       | SH             | 247.65            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 4.8                | PHP1-B94-SDS  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | D-3                       | SH             | 288.29            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 5.0                | PHP1-B110-SDS |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | D-3                       | SH             | 323.85            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 5.4                | PHP1-B124-SDS |
|         |                   | 335.3                     | 13.2 | 345.4      | 13.6 | D-3                       | SH             | 354.33            | 12.70     | 50.80 | 13.49 | 25.40 | 33.34 | 5.56  | 6.4                | PHP1-B136-SDS |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | C-3                       | SK             | 400.05            | 12.70     | 66.68 | 16.67 | 25.40 | 49.21 | 7.14  | 7.3                | PHP1-B154-SK  |
|         |                   | 396.2                     | 15.6 | 406.4      | 16.0 | C-3                       | SK             | 415.29            | 12.70     | 66.68 | 16.67 | 25.40 | 49.21 | 7.14  | 7.5                | PHP1-B160-SK  |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | C-3                       | SK             | 476.25            | 12.70     | 66.68 | 16.67 | 25.40 | 49.21 | 7.14  | 8.2                | PHP1-B184-SK  |
|         |                   | 497.8                     | 19.6 | 508.0      | 20.0 | C-3                       | SK             | 516.89            | 12.70     | 66.68 | 16.67 | 25.40 | 49.21 | 7.14  | 9.1                | PHP1-B200-SK  |
| A/B     | 2                 | 76.2                      | 3.0  | 86.4       | 3.4  | E-1                       | SH             | 95.25             | 12.70     | 41.28 | 27.78 | 44.45 | 33.34 | 16.67 | 1.5                | PHP2-B34-SH   |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | D-1                       | SH             | 100.33            | 12.70     | 41.28 | 11.91 | 44.45 | 33.34 | 23.02 | 1.5                | PHP2-B36-SH   |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | D-1                       | SH             | 105.41            | 12.70     | 41.28 | 11.91 | 44.45 | 33.34 | 23.02 | 1.8                | PHP2-B38-SH   |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | A-1                       | SH             | 110.49            | 12.70     | 41.28 | 0.79  | 44.45 | 33.34 | 10.32 | 1.9                | PHP2-B40-SH   |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | A-1                       | SH             | 115.57            | 12.70     | 41.28 | 0.79  | 44.45 | 33.34 | 10.32 | 2.0                | PHP2-B42-SH   |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | A-1                       | SH             | 120.65            | 12.70     | 41.28 | 0.79  | 44.45 | 33.34 | 10.32 | 2.1                | PHP2-B44-SH   |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1                       | SH             | 125.73            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 2.3                | PHP2-B46-SDS  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1                       | SH             | 130.81            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 2.5                | PHP2-B48-SDS  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1                       | SH             | 135.89            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 2.7                | PHP2-B50-SDS  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1                       | SH             | 140.97            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 2.9                | PHP2-B52-SDS  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1                       | SH             | 146.05            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.0                | PHP2-B54-SDS  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-2                       | SH             | 151.13            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.1                | PHP2-B56-SDS  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-2                       | SH             | 156.21            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.3                | PHP2-B58-SDS  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-2                       | SH             | 161.29            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.4                | PHP2-B60-SDS  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-2                       | SH             | 166.37            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.5                | PHP2-B62-SDS  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-2                       | SH             | 171.45            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.7                | PHP2-B64-SDS  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-2                       | SH             | 176.53            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 3.9                | PHP2-B66-SDS  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-3                       | SH             | 181.61            | 12.70     | 50.80 | 0.79  | 44.45 | 33.34 | 10.32 | 4.1                | PHP2-B68-SDS  |
|         |                   | 167.6                     | 6.6  | 177.8      | 7.0  | D-1                       | SK             | 186.69            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 4.2                | PHP2-B70-SK   |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | D-3                       | SK             | 196.85            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 4.8                | PHP2-B74-SK   |
|         |                   | 193.0                     | 7.6  | 203.2      | 8.0  | D-3                       | SK             | 212.09            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 5.0                | PHP2-B80-SK   |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | D-3                       | SK             | 227.33            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 5.3                | PHP2-B86-SK   |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | D-3                       | SK             | 247.65            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 5.9                | PHP2-B94-SK   |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | D-3                       | SK             | 288.29            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 6.4                | PHP2-B110-SK  |

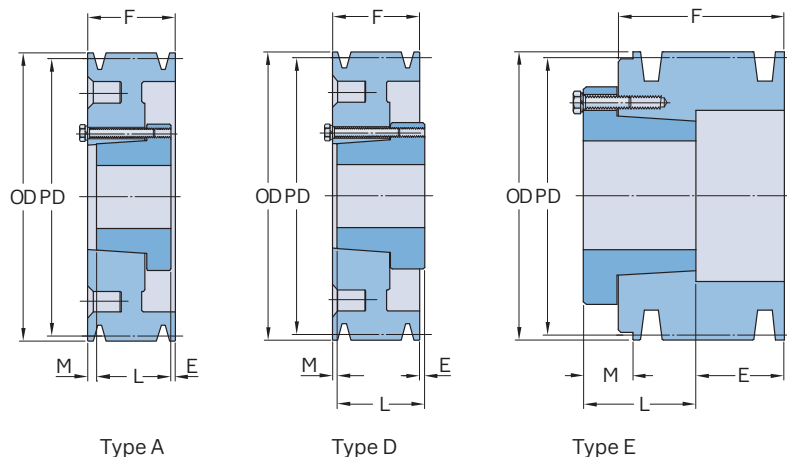
<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.

<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
A/B QD bushed

| Section | Number of grooves | Pitch diameter |      |            |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |           | Max.  | E     | F     | L     | M     | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------|------------|------|---------------------------|----------------|-------------------|-----------|-------|-------|-------|-------|-------|--------------------|---------------|
|         |                   | Belt A PCD     |      | Belt B PCD |      |                           |                | Outer diameter OD | Bore Min. |       |       |       |       |       |                    |               |
| –       | –                 | mm             | in.  | mm         | in.  | –                         | –              | mm                |           |       |       |       |       |       | kg                 | –             |
| A/B     | 2                 | 304.8          | 12.0 | 315.0      | 12.4 | D-3                       | SK             | 323.85            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 8.2                | PHP 2-B124-SK |
|         |                   | 335.3          | 13.2 | 345.4      | 13.6 | D-3                       | SK             | 354.33            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 9.1                | PHP 2-B136-SK |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | D-3                       | SK             | 400.05            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 10.4               | PHP 2-B154-SK |
|         |                   | 396.2          | 15.6 | 406.4      | 16.0 | D-3                       | SK             | 415.29            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 10.9               | PHP 2-B160-SK |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | D-3                       | SK             | 476.25            | 12.70     | 66.68 | 8.73  | 44.45 | 49.21 | 3.97  | 13.2               | PHP 2-B184-SK |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | D-3                       | SF             | 516.89            | 12.70     | 74.61 | 11.91 | 44.45 | 52.39 | 3.97  | 15.0               | PHP 2-B200-SF |
|         | 3                 | 624.8          | 24.6 | 635.0      | 25.0 | D-3                       | SF             | 643.89            | 12.70     | 74.61 | 11.91 | 44.45 | 52.39 | 3.97  | 18.6               | PHP 2-B250-SF |
|         |                   | 751.8          | 29.6 | 762.0      | 30.0 | D-3                       | SF             | 770.89            | 12.70     | 74.61 | 11.91 | 44.45 | 52.39 | 3.97  | 23.1               | PHP 2-B300-SF |
|         |                   | 955.0          | 37.6 | 965.2      | 38.0 | D-3                       | SF             | 974.09            | 12.70     | 74.61 | 11.91 | 44.45 | 52.39 | 3.97  | 29.0               | PHP 2-B380-SF |
|         |                   | 76.2           | 3.0  | 86.4       | 3.4  | E-1                       | SH             | 95.25             | 12.70     | 41.28 | 30.96 | 63.50 | 33.34 | 16.67 | 2.0                | PHP 3-B34-SH  |
|         |                   | 81.3           | 3.2  | 91.4       | 3.6  | D-1                       | SH             | 100.33            | 12.70     | 41.28 | 11.91 | 63.50 | 33.34 | 42.07 | 2.1                | PHP 3-B36-SH  |
|         |                   | 86.4           | 3.4  | 96.5       | 3.8  | D-1                       | SH             | 105.41            | 12.70     | 41.28 | 11.91 | 63.50 | 33.34 | 42.07 | 2.4                | PHP 3-B38-SH  |
| A/B     | 4                 | 91.4           | 3.6  | 101.6      | 4.0  | D-1                       | SH             | 110.49            | 12.70     | 41.28 | 11.91 | 63.50 | 33.34 | 42.07 | 2.5                | PHP 3-B40-SH  |
|         |                   | 96.5           | 3.8  | 106.7      | 4.2  | D-1                       | SH             | 115.57            | 12.70     | 41.28 | 11.91 | 63.50 | 33.34 | 42.07 | 2.7                | PHP 3-B42-SH  |
|         |                   | 101.6          | 4.0  | 111.8      | 4.4  | D-1                       | SH             | 120.65            | 12.70     | 41.28 | 11.91 | 63.50 | 33.34 | 42.07 | 2.9                | PHP 3-B44-SH  |
|         |                   | 106.7          | 4.2  | 116.8      | 4.6  | A-1                       | SD             | 125.73            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 3.0                | PHP 3-B46-SD  |
|         |                   | 111.8          | 4.4  | 121.9      | 4.8  | A-1                       | SD             | 130.81            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 3.2                | PHP 3-B48-SD  |
|         |                   | 116.8          | 4.6  | 127.0      | 5.0  | A-1                       | SD             | 135.89            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 3.4                | PHP 3-B50-SD  |
|         |                   | 121.9          | 4.8  | 132.1      | 5.2  | A-1                       | SD             | 140.97            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 3.5                | PHP 3-B52-SD  |
|         |                   | 127.0          | 5.0  | 137.2      | 5.4  | A-1                       | SD             | 146.05            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 3.7                | PHP 3-B54-SD  |
|         |                   | 132.1          | 5.2  | 142.2      | 5.6  | A-1                       | SD             | 151.13            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 3.9                | PHP 3-B56-SD  |
|         |                   | 137.2          | 5.4  | 147.3      | 5.8  | A-1                       | SD             | 156.21            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 4.0                | PHP 3-B58-SD  |
|         |                   | 142.2          | 5.6  | 152.4      | 6.0  | A-1                       | SD             | 161.29            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 4.1                | PHP 3-B60-SD  |
|         |                   | 147.3          | 5.8  | 157.5      | 6.2  | A-1                       | SD             | 166.37            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 4.3                | PHP 3-B62-SD  |
|         |                   | 152.4          | 6.0  | 162.6      | 6.4  | A-1                       | SD             | 171.45            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 4.4                | PHP 3-B64-SD  |
|         |                   | 157.5          | 6.2  | 167.6      | 6.6  | A-1                       | SD             | 176.53            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 4.5                | PHP 3-B66-SD  |
|         |                   | 162.6          | 6.4  | 172.7      | 6.8  | B-3                       | SD             | 181.61            | 12.70     | 50.80 | 10.32 | 63.50 | 46.04 | 7.14  | 4.8                | PHP 3-B68-SD  |
|         |                   | 167.6          | 6.6  | 177.8      | 7.0  | D-1                       | SK             | 186.69            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 5.0                | PHP 3-B70-SK  |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | D-3                       | SK             | 196.85            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 5.4                | PHP 3-B74-SK  |
|         |                   | 193.0          | 7.6  | 203.2      | 8.0  | D-3                       | SK             | 212.09            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 5.7                | PHP 3-B80-SK  |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | D-3                       | SK             | 227.33            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 5.9                | PHP 3-B86-SK  |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | D-3                       | SK             | 247.65            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 7.3                | PHP 3-B94-SK  |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | D-3                       | SK             | 288.29            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 8.6                | PHP 3-B110-SK |
|         |                   | 304.8          | 12.0 | 315.0      | 12.4 | D-3                       | SK             | 323.85            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 10.9               | PHP 3-B124-SK |
|         |                   | 335.3          | 13.2 | 345.4      | 13.6 | D-3                       | SK             | 354.33            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 12.3               | PHP 3-B136-SK |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | D-3                       | SK             | 400.05            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 13.6               | PHP 3-B154-SK |
|         |                   | 396.2          | 15.6 | 406.4      | 16.0 | D-3                       | SK             | 415.29            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 15.0               | PHP 3-B160-SK |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | D-3                       | SK             | 476.25            | 12.70     | 66.68 | 2.38  | 63.50 | 49.21 | 16.67 | 17.2               | PHP 3-B184-SK |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | D-3                       | SF             | 516.89            | 12.70     | 74.61 | 5.56  | 63.50 | 52.39 | 16.67 | 19.5               | PHP 3-B200-SF |
|         |                   | 624.8          | 24.6 | 635.0      | 25.0 | D-3                       | SF             | 643.89            | 12.70     | 74.61 | 5.56  | 63.50 | 52.39 | 16.67 | 24.5               | PHP 3-B250-SF |
|         |                   | 751.8          | 29.6 | 762.0      | 30.0 | D-3                       | SF             | 770.89            | 12.70     | 74.61 | 5.56  | 63.50 | 52.39 | 16.67 | 30.4               | PHP 3-B300-SF |
|         |                   | 955.0          | 37.6 | 965.2      | 38.0 | D-3                       | E              | 974.09            | 22.23     | 88.90 | 13.49 | 63.50 | 69.85 | 7.14  | 40.8               | PHP 3-B380-E  |
|         |                   | 76.2           | 3.0  | 86.4       | 3.4  | E-1                       | SD             | 95.25             | 12.70     | 50.80 | 62.71 | 82.55 | 46.04 | 26.19 | 2.5                | PHP 4-B34-SD  |
|         |                   | 81.3           | 3.2  | 91.4       | 3.6  | E-1                       | SD             | 100.33            | 12.70     | 50.80 | 62.71 | 82.55 | 46.04 | 26.19 | 2.6                | PHP 4-B36-SD  |
|         |                   | 86.4           | 3.4  | 96.5       | 3.8  | E-1                       | SD             | 105.41            | 12.70     | 50.80 | 62.71 | 82.55 | 46.04 | 26.19 | 2.8                | PHP 4-B38-SD  |
|         |                   | 91.4           | 3.6  | 101.6      | 4.0  | E-1                       | SD             | 110.49            | 12.70     | 50.80 | 52.39 | 82.55 | 46.04 | 16.67 | 3.0                | PHP 4-B40-SD  |
|         |                   | 96.5           | 3.8  | 106.7      | 4.2  | E-1                       | SD             | 115.57            | 12.70     | 50.80 | 52.39 | 82.55 | 46.04 | 16.67 | 3.1                | PHP 4-B42-SD  |
|         |                   | 101.6          | 4.0  | 111.8      | 4.4  | E-1                       | SD             | 120.65            | 12.70     | 50.80 | 52.39 | 82.55 | 46.04 | 16.67 | 3.3                | PHP 4-B44-SD  |
|         |                   | 106.7          | 4.2  | 116.8      | 4.6  | A-1                       | SD             | 125.73            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 3.5                | PHP 4-B46-SD  |
|         |                   | 111.8          | 4.4  | 121.9      | 4.8  | A-1                       | SD             | 130.81            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 3.6                | PHP 4-B48-SD  |
|         |                   | 116.8          | 4.6  | 127.0      | 5.0  | A-1                       | SD             | 135.89            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 3.8                | PHP 4-B50-SD  |
|         |                   | 121.9          | 4.8  | 132.1      | 5.2  | A-1                       | SD             | 140.97            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 3.9                | PHP 4-B52-SD  |
|         |                   | 127.0          | 5.0  | 137.2      | 5.4  | A-1                       | SD             | 146.05            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 4.2                | PHP 4-B54-SD  |
|         |                   | 132.1          | 5.2  | 142.2      | 5.6  | A-1                       | SD             | 151.13            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 4.4                | PHP 4-B56-SD  |
|         |                   | 137.2          | 5.4  | 147.3      | 5.8  | A-1                       | SD             | 156.21            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 4.5                | PHP 4-B58-SD  |
|         |                   | 142.2          | 5.6  | 152.4      | 6.0  | A-1                       | SD             | 161.29            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 4.7                | PHP 4-B60-SD  |
|         |                   | 147.3          | 5.8  | 157.5      | 6.2  | A-1                       | SD             | 166.37            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 4.9                | PHP 4-B62-SD  |
|         |                   | 152.4          | 6.0  | 162.6      | 6.4  | A-1                       | SD             | 171.45            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 5.4                | PHP 4-B64-SD  |
|         |                   | 157.5          | 6.2  | 167.6      | 6.6  | A-1                       | SD             | 176.53            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 5.6                | PHP 4-B66-SD  |
|         |                   | 162.6          | 6.4  | 172.7      | 6.8  | A-3                       | SD             | 181.61            | 12.70     | 50.80 | 16.67 | 82.55 | 46.04 | 19.84 | 5.9                | PHP 4-B68-SD  |
|         |                   | 167.6          | 6.6  | 177.8      | 7.0  | A-1                       | SK             | 186.69            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 6.1                | PHP 4-B70-SK  |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | A-3                       | SK             | 196.85            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 6.4                | PHP 4-B74-SK  |
|         |                   | 193.0          | 7.6  | 203.2      | 8.0  | A-3                       | SK             | 212.09            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 7.0                | PHP 4-B80-SK  |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | A-3                       | SK             | 227.33            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 7.7                | PHP 4-B86-SK  |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | A-3                       | SK             | 247.65            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 8.6                | PHP 4-B94-SK  |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | A-3                       | SK             | 288.29            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 10.0               | PHP 4-B110-SK |
|         |                   | 304.8          | 12.0 | 315.0      | 12.4 | A-3                       | SK             | 323.85            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 13.2               | PHP 4-B124-SK |
|         |                   | 335.3          | 13.2 | 345.4      | 13.6 | A-3                       | SK             | 354.33            | 12.70     | 66.68 | 5.56  | 82.55 | 49.21 | 26.99 | 15.4               | PHP 4-B136-SK |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | A-3                       | SF             | 400.05            | 12.70     | 74.61 | 3.97  | 82.55 | 52.39 | 26.19 | 17.7               | PHP 4-B154-SF |
|         |                   | 396.2          | 15.6 | 406.4      | 16.0 | A-3                       | SF             | 415.29            | 12.70     | 74.61 | 3.97  | 82.55 | 52.39 | 26.19 | 19.1               | PHP 4-B160-SF |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | A-3                       | SF             | 476.25            | 12.70     | 74.61 | 3.97  | 82.55 | 52.39 | 26.19 | 21.3               | PHP 4-B184-SF |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | A-3                       | SF             | 516.89            | 12.70     | 74.61 | 3.97  | 82.55 | 52.39 | 26.19 | 23.1               | PHP 4-B20     |

Classical V-belt pulleys  
A/B QD bushed



| Section | Number of grooves | Pitch diameter Belt A PCD |      | Belt B PCD |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |           |       | E      | F      | L     | M     | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|---------------------------|------|------------|------|---------------------------|----------------|-------------------|-----------|-------|--------|--------|-------|-------|--------------------|---------------|
|         |                   | mm                        | in.  | mm         | in.  |                           |                | Outer diameter OD | Bore Min. | Max.  |        |        |       |       |                    |               |
| –       | –                 | mm                        | in.  | mm         | in.  | –                         | –              | mm                |           |       |        |        |       |       | kg                 | –             |
| A/B     | 4                 | 751.8                     | 29.6 | 762.0      | 30.0 | D-3                       | E              | 770.89            | 22.23     | 88.90 | 3.97   | 82.55  | 69.85 | 16.67 | 39.0               | PHP 4-B300-E  |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | D-3                       | E              | 974.09            | 22.23     | 88.90 | 3.97   | 82.55  | 69.85 | 16.67 | 49.4               | PHP 4-B380-E  |
| A/B     | 5                 | 76.2                      | 3.0  | 86.4       | 3.4  | E-1                       | SD             | 95.25             | 12.70     | 50.80 | 81.76  | 101.60 | 46.04 | 26.19 | 2.8                |               |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | E-1                       | SD             | 100.33            | 12.70     | 50.80 | 81.76  | 101.60 | 46.04 | 26.19 | 3.0                | PHP 5-B36-SD  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | E-1                       | SD             | 105.41            | 12.70     | 50.80 | 81.76  | 101.60 | 46.04 | 26.19 | 3.2                | PHP 5-B38-SD  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | E-1                       | SD             | 110.49            | 12.70     | 50.80 | 72.23  | 101.60 | 46.04 | 16.67 | 3.4                | PHP 5-B40-SD  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | E-1                       | SD             | 115.57            | 12.70     | 50.80 | 72.23  | 101.60 | 46.04 | 16.67 | 3.6                | PHP 5-B42-SD  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | E-1                       | SD             | 120.65            | 12.70     | 50.80 | 72.23  | 101.60 | 46.04 | 16.67 | 3.9                | PHP 5-B44-SD  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1                       | SD             | 125.73            | 12.70     | 50.80 | 67.47  | 101.60 | 46.04 | 38.89 | 4.1                | PHP 5-B46-SD  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1                       | SD             | 130.81            | 12.70     | 50.80 | 67.47  | 101.60 | 46.04 | 38.89 | 4.3                | PHP 5-B48-SD  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1                       | SD             | 135.89            | 12.70     | 50.80 | 67.47  | 101.60 | 46.04 | 38.89 | 4.5                | PHP 5-B50-SD  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1                       | SD             | 140.97            | 12.70     | 50.80 | 67.47  | 101.60 | 46.04 | 38.89 | 4.7                | PHP 5-B52-SD  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1                       | SK             | 146.05            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 4.9                | PHP 5-B54-SK  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1                       | SK             | 151.13            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 5.1                | PHP 5-B56-SK  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-1                       | SK             | 156.21            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 5.4                | PHP 5-B58-SK  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1                       | SK             | 161.29            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 6.4                | PHP 5-B60-SK  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-1                       | SK             | 166.37            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 6.8                | PHP 5-B62-SK  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1                       | SK             | 171.45            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 7.3                | PHP 5-B64-SK  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-1                       | SK             | 176.53            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 7.7                | PHP 5-B66-SK  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1                       | SK             | 181.61            | 12.70     | 66.68 | 13.49  | 101.60 | 49.21 | 38.89 | 8.2                | PHP 5-B68-SK  |
|         |                   | 167.6                     | 6.6  | 177.8      | 7.0  | A-1                       | SF             | 186.69            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 8.6                | PHP 5-B70-SF  |
|         |                   | 177.8                     | 7.0  | 188.0      | 7.4  | A-2                       | SF             | 196.85            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 9.1                | PHP 5-B74-SF  |
|         |                   | 193.0                     | 7.6  | 203.2      | 8.0  | A-2                       | SF             | 212.09            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 9.5                | PHP 5-B80-SF  |
|         |                   | 208.3                     | 8.2  | 218.4      | 8.6  | A-2                       | SF             | 227.33            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 10.0               | PHP 5-B86-SF  |
|         |                   | 228.6                     | 9.0  | 238.8      | 9.4  | A-3                       | SF             | 247.65            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 10.9               | PHP 5-B94-SF  |
|         |                   | 269.2                     | 10.6 | 279.4      | 11.0 | A-3                       | SF             | 288.29            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 13.2               | PHP 5-B110-SF |
|         |                   | 304.8                     | 12.0 | 315.0      | 12.4 | A-3                       | SF             | 323.85            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 15.4               | PHP 5-B124-SF |
|         |                   | 335.3                     | 13.2 | 345.4      | 13.6 | A-3                       | SF             | 354.33            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 17.2               | PHP 5-B136-SF |
|         |                   | 381.0                     | 15.0 | 391.2      | 15.4 | A-3                       | SF             | 400.05            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 20.9               | PHP 5-B154-SF |
|         |                   | 396.2                     | 15.6 | 406.4      | 16.0 | A-3                       | SF             | 415.29            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 22.2               | PHP 5-B160-SF |
|         |                   | 457.2                     | 18.0 | 467.4      | 18.4 | A-3                       | SF             | 476.25            | 12.70     | 74.61 | 11.91  | 101.60 | 52.39 | 37.31 | 25.0               | PHP 5-B184-SF |
|         |                   | 497.8                     | 19.6 | 508.0      | 20.0 | A-3                       | E              | 516.89            | 22.23     | 12.70 | 1.59   | 101.60 | 69.85 | 29.37 | 29.5               | PHP 5-B200-E  |
|         |                   | 624.8                     | 24.6 | 635.0      | 25.0 | A-3                       | E              | 643.89            | 22.23     | 12.70 | 1.59   | 101.60 | 69.85 | 29.37 | 39.0               | PHP 5-B250-E  |
|         |                   | 751.8                     | 29.6 | 762.0      | 30.0 | A-3                       | E              | 770.89            | 22.23     | 12.70 | 1.59   | 101.60 | 69.85 | 29.37 | 46.3               | PHP 5-B300-E  |
|         |                   | 955.0                     | 37.6 | 965.2      | 38.0 | A-3                       | E              | 974.09            | 22.23     | 12.70 | 1.59   | 101.60 | 69.85 | 29.37 | 59.9               | PHP 5-B380-E  |
| A/B     | 6                 | 76.2                      | 3.0  | 86.4       | 3.4  | E-1                       | SD             | 95.25             | 12.70     | 50.80 | 100.81 | 120.65 | 46.04 | 26.19 | 3.0                | PHP 6-B34-SD  |
|         |                   | 81.3                      | 3.2  | 91.4       | 3.6  | E-1                       | SD             | 100.33            | 12.70     | 50.80 | 100.81 | 120.65 | 46.04 | 26.19 | 3.4                | PHP 6-B36-SD  |
|         |                   | 86.4                      | 3.4  | 96.5       | 3.8  | E-1                       | SD             | 105.41            | 12.70     | 50.80 | 100.81 | 120.65 | 46.04 | 26.19 | 3.6                | PHP 6-B38-SD  |
|         |                   | 91.4                      | 3.6  | 101.6      | 4.0  | E-1                       | SD             | 110.49            | 12.70     | 50.80 | 91.28  | 120.65 | 46.04 | 16.67 | 3.8                | PHP 6-B40-SD  |
|         |                   | 96.5                      | 3.8  | 106.7      | 4.2  | E-1                       | SD             | 115.57            | 12.70     | 50.80 | 91.28  | 120.65 | 46.04 | 16.67 | 4.1                | PHP 6-B42-SD  |
|         |                   | 101.6                     | 4.0  | 111.8      | 4.4  | E-1                       | SD             | 120.65            | 12.70     | 50.80 | 91.28  | 120.65 | 46.04 | 16.67 | 4.4                | PHP 6-B44-SD  |
|         |                   | 106.7                     | 4.2  | 116.8      | 4.6  | A-1                       | SD             | 125.73            | 12.70     | 50.80 | 16.67  | 120.65 | 46.04 | 57.94 | 4.6                | PHP 6-B46-SD  |
|         |                   | 111.8                     | 4.4  | 121.9      | 4.8  | A-1                       | SD             | 130.81            | 12.70     | 50.80 | 16.67  | 120.65 | 46.04 | 57.94 | 4.8                | PHP 6-B48-SD  |
|         |                   | 116.8                     | 4.6  | 127.0      | 5.0  | A-1                       | SD             | 135.89            | 12.70     | 50.80 | 16.67  | 120.65 | 46.04 | 57.94 | 5.0                | PHP 6-B50-SD  |
|         |                   | 121.9                     | 4.8  | 132.1      | 5.2  | A-1                       | SD             | 140.97            | 12.70     | 50.80 | 16.67  | 120.65 | 46.04 | 57.94 | 5.4                | PHP 6-B52-SD  |
|         |                   | 127.0                     | 5.0  | 137.2      | 5.4  | A-1                       | SK             | 146.05            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 5.9                | PHP 6-B54-SK  |
|         |                   | 132.1                     | 5.2  | 142.2      | 5.6  | A-1                       | SK             | 151.13            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 6.4                | PHP 6-B56-SK  |
|         |                   | 137.2                     | 5.4  | 147.3      | 5.8  | A-1                       | SK             | 156.21            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 6.6                | PHP 6-B58-SK  |
|         |                   | 142.2                     | 5.6  | 152.4      | 6.0  | A-1                       | SK             | 161.29            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 6.8                | PHP 6-B60-SK  |
|         |                   | 147.3                     | 5.8  | 157.5      | 6.2  | A-1                       | SK             | 166.37            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 7.3                | PHP 6-B62-SK  |
|         |                   | 152.4                     | 6.0  | 162.6      | 6.4  | A-1                       | SK             | 171.45            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 7.7                | PHP 6-B64-SK  |
|         |                   | 157.5                     | 6.2  | 167.6      | 6.6  | A-1                       | SK             | 176.53            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 8.2                | PHP 6-B66-SK  |
|         |                   | 162.6                     | 6.4  | 172.7      | 6.8  | A-1                       | SK             | 181.61            | 12.70     | 66.68 | 13.49  | 120.65 | 49.21 | 57.94 | 8.6                | PHP 6-B68-SK  |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.

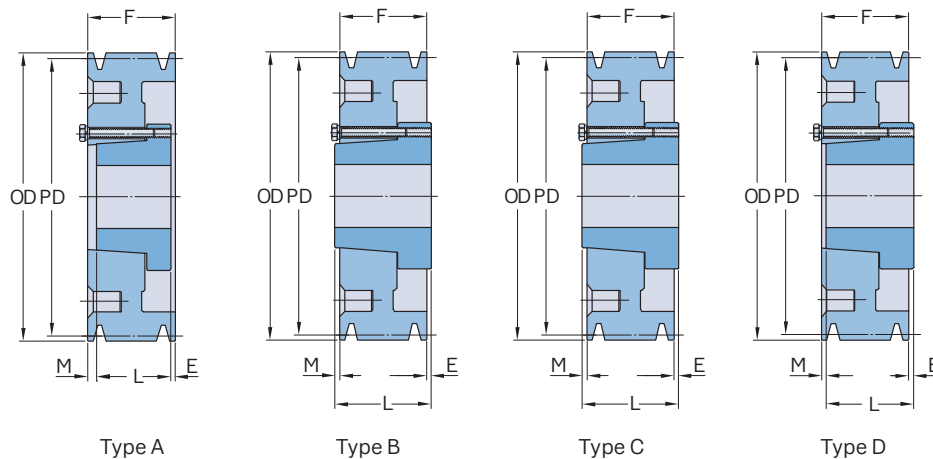
<sup>2)</sup> Mass does not include bushings.

# Classical V-belt pulleys A/B QD bushed

| Section | Number of grooves | Pitch diameter |      |            |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |           | Max.   | E     | F      | L      | M      | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------|------------|------|---------------------------|----------------|-------------------|-----------|--------|-------|--------|--------|--------|--------------------|---------------|
|         |                   | Belt A PCD     |      | Belt B PCD |      |                           |                | Outer diameter OD | Bore Min. |        |       |        |        |        |                    |               |
| –       | –                 | mm             | in.  | mm         | in.  | –                         | –              | mm                |           |        |       |        |        |        | kg                 | –             |
| A/B     | 6                 | 167.6          | 6.6  | 177.8      | 7.0  | A-1                       | SF             | 186.69            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 9.1                | PHP 6-B70-SF  |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | A-1                       | SF             | 196.85            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 10.0               | PHP 6-B74-SF  |
|         |                   | 193.0          | 7.6  | 203.2      | 8.0  | A-2                       | SF             | 212.09            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 10.9               | PHP 6-B80-SF  |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | A-2                       | SF             | 227.33            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 11.8               | PHP 6-B86-SF  |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | A-3                       | SF             | 247.65            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 12.3               | PHP 6-B94-SF  |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | A-3                       | SF             | 288.29            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 14.5               | PHP 6-B110-SF |
|         |                   | 304.8          | 12.0 | 315.0      | 12.4 | A-3                       | SF             | 323.85            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 17.7               | PHP 6-B124-SF |
|         |                   | 335.3          | 13.2 | 345.4      | 13.6 | A-3                       | SF             | 354.33            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 20.0               | PHP 6-B136-SF |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | A-3                       | SF             | 400.05            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 22.7               | PHP 6-B154-SF |
|         |                   | 396.2          | 15.6 | 406.4      | 16.0 | A-3                       | SF             | 415.29            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 24.5               | PHP 6-B160-SF |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | A-3                       | SF             | 476.25            | 12.70     | 74.61  | 21.43 | 120.65 | 52.39  | 46.83  | 28.1               | PHP 6-B184-SF |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | A-3                       | E              | 516.89            | 22.23     | 88.90  | 5.56  | 120.65 | 69.85  | 45.24  | 33.6               | PHP 6-B200-E  |
|         |                   | 624.8          | 24.6 | 635.0      | 25.0 | A-3                       | E              | 643.89            | 22.23     | 88.90  | 5.56  | 120.65 | 69.85  | 45.24  | 43.5               | PHP 6-B250-E  |
|         |                   | 751.8          | 29.6 | 762.0      | 30.0 | A-3                       | E              | 770.89            | 22.23     | 88.90  | 5.56  | 120.65 | 69.85  | 45.24  | 54.0               | PHP 6-B300-E  |
|         |                   | 955.0          | 37.6 | 965.2      | 38.0 | A-3                       | E              | 974.09            | 22.23     | 88.90  | 5.56  | 120.65 | 69.85  | 45.24  | 60.8               | PHP 6-B380-E  |
| A/B     | 8                 | 127.0          | 5.0  | 137.2      | 5.4  | A-1                       | SK             | 146.05            | 12.70     | 66.68  | 26.19 | 158.75 | 49.21  | 83.34  | 6.8                | PHP 8-B54-SK  |
|         |                   | 132.1          | 5.2  | 142.2      | 5.6  | A-1                       | SK             | 151.13            | 12.70     | 66.68  | 26.19 | 158.75 | 49.21  | 83.34  | 7.3                | PHP 8-B56-SK  |
|         |                   | 142.2          | 5.6  | 152.4      | 6.0  | A-1                       | SF             | 161.29            | 12.70     | 74.61  | 24.61 | 158.75 | 52.39  | 81.76  | 9.1                | PHP 8-B60-SF  |
|         |                   | 152.4          | 6.0  | 162.6      | 6.4  | A-1                       | SF             | 171.45            | 12.70     | 74.61  | 24.61 | 158.75 | 52.39  | 81.76  | 10.4               | PHP 8-B64-SF  |
|         |                   | 162.6          | 6.4  | 172.7      | 6.8  | A-1                       | SF             | 181.61            | 12.70     | 74.61  | 24.61 | 158.75 | 52.39  | 81.76  | 11.3               | PHP 8-B68-SF  |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | A-1                       | SF             | 196.85            | 12.70     | 74.61  | 24.61 | 158.75 | 52.39  | 81.76  | 12.7               | PHP 8-B74-SF  |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | A-1                       | E              | 227.33            | 22.23     | 88.90  | 30.96 | 158.75 | 69.85  | 57.94  | 18.1               | PHP 8-B86-E   |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | A-2                       | E              | 247.65            | 22.23     | 88.90  | 30.96 | 158.75 | 69.85  | 57.94  | 19.5               | PHP 8-B94-E   |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | A-3                       | E              | 288.29            | 22.23     | 88.90  | 30.96 | 158.75 | 69.85  | 57.94  | 22.2               | PHP 8-B110-E  |
|         |                   | 304.8          | 12.0 | 315.0      | 12.4 | A-3                       | E              | 323.85            | 22.23     | 88.90  | 30.96 | 158.75 | 69.85  | 57.94  | 25.4               | PHP 8-B124-E  |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | A-3                       | E              | 400.05            | 22.23     | 88.90  | 30.96 | 158.75 | 69.85  | 57.94  | 31.3               | PHP 8-B154-E  |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | D-3                       | F              | 476.25            | 25.40     | 101.60 | 0.79  | 158.75 | 95.25  | 64.29  | 41.3               | PHP 8-B184-F  |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | D-3                       | F              | 516.89            | 25.40     | 101.60 | 0.79  | 158.75 | 95.25  | 64.29  | 44.5               | PHP 8-B200-F  |
|         |                   | 624.8          | 24.6 | 635.0      | 25.0 | D-3                       | F              | 643.89            | 25.40     | 101.60 | 0.79  | 158.75 | 95.25  | 64.29  | 54.9               | PHP 8-B250-F  |
|         |                   | 751.8          | 29.6 | 762.0      | 30.0 | D-3                       | F              | 770.89            | 25.40     | 101.60 | 0.79  | 158.75 | 95.25  | 64.29  | 67.1               | PHP 8-B300-F  |
|         |                   | 955.0          | 37.6 | 965.2      | 38.0 | D-3                       | F              | 974.09            | 25.40     | 101.60 | 0.79  | 158.75 | 95.25  | 64.29  | 88.0               | PHP 8-B380-F  |
| A/B     | 10                | 127.0          | 5.0  | 137.2      | 5.4  | A-1                       | SK             | 146.05            | 12.70     | 66.68  | 45.24 | 196.85 | 49.21  | 102.39 | 8.2                | PHP 10-B54-SK |
|         |                   | 132.1          | 5.2  | 142.2      | 5.6  | A-1                       | SK             | 151.13            | 12.70     | 66.68  | 45.24 | 196.85 | 49.21  | 102.39 | 9.1                | PHP 10-B56-SK |
|         |                   | 142.2          | 5.6  | 152.4      | 6.0  | A-1                       | SF             | 161.29            | 12.70     | 74.61  | 42.86 | 196.85 | 52.39  | 100.81 | 10.9               | PHP 10-B60-SF |
|         |                   | 152.4          | 6.0  | 162.6      | 6.4  | A-1                       | SF             | 171.45            | 12.70     | 74.61  | 42.86 | 196.85 | 52.39  | 100.81 | 11.8               | PHP 10-B64-SF |
|         |                   | 162.6          | 6.4  | 172.7      | 6.8  | A-1                       | SF             | 181.61            | 12.70     | 74.61  | 42.86 | 196.85 | 52.39  | 100.81 | 12.7               | PHP 10-B68-SF |
|         |                   | 177.8          | 7.0  | 188.0      | 7.4  | A-1                       | SF             | 196.85            | 12.70     | 74.61  | 42.86 | 196.85 | 52.39  | 100.81 | 14.5               | PHP 10-B74-SF |
|         |                   | 208.3          | 8.2  | 218.4      | 8.6  | A-1                       | E              | 227.33            | 22.23     | 88.90  | 50.01 | 196.85 | 69.85  | 76.99  | 19.1               | PHP 10-B86-E  |
|         |                   | 228.6          | 9.0  | 238.8      | 9.4  | A-2                       | E              | 247.65            | 22.23     | 88.90  | 50.01 | 196.85 | 69.85  | 76.99  | 21.8               | PHP 10-B94-E  |
|         |                   | 269.2          | 10.6 | 279.4      | 11.0 | A-3                       | E              | 288.29            | 22.23     | 88.90  | 50.01 | 196.85 | 69.85  | 76.99  | 25.4               | PHP 10-B110-E |
|         |                   | 304.8          | 12.0 | 315.0      | 12.4 | A-3                       | E              | 323.85            | 22.23     | 88.90  | 50.01 | 196.85 | 69.85  | 76.99  | 29.0               | PHP 10-B124-E |
|         |                   | 381.0          | 15.0 | 391.2      | 15.4 | A-3                       | F              | 400.05            | 25.40     | 101.60 | 15.88 | 196.85 | 95.25  | 83.34  | 39.9               | PHP 10-B154-F |
|         |                   | 457.2          | 18.0 | 467.4      | 18.4 | A-3                       | F              | 476.25            | 25.40     | 101.60 | 15.88 | 196.85 | 95.25  | 83.34  | 46.7               | PHP 10-B184-F |
|         |                   | 497.8          | 19.6 | 508.0      | 20.0 | A-3                       | F              | 516.89            | 25.40     | 101.60 | 15.88 | 196.85 | 95.25  | 83.34  | 50.8               | PHP 10-B200-F |
|         |                   | 624.8          | 24.6 | 635.0      | 25.0 | A-3                       | F              | 643.89            | 25.40     | 101.60 | 15.88 | 196.85 | 95.25  | 83.34  | 64.4               | PHP 10-B250-F |
|         |                   | 751.8          | 29.6 | 762.0      | 30.0 | A-3                       | F              | 770.89            | 25.40     | 101.60 | 15.88 | 196.85 | 95.25  | 83.34  | 78.9               | PHP 10-B300-F |
|         |                   | 955.0          | 37.6 | 965.2      | 38.0 | A-3                       | J              | 974.09            | 38.10     | 114.30 | 3.18  | 196.85 | 117.48 | 76.20  | 104.3              | PHP 10-B380-J |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.  
<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
C QD bushed



| Section | Number of grooves | Pitch diameter PCD |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions |                   |                | F     | E     | L     | M  | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|--------------------|------|---------------------------|----------------|------------|-------------------|----------------|-------|-------|-------|----|--------------------|---------------|
|         |                   | mm                 | in.  |                           |                | mm         | Outer diameter OD | Bore Min. Max. |       |       |       |    | kg                 |               |
| C       | 1                 | 177.8              | 7.0  | D-1                       | SF             | 187.96     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 4.5                | PHP 1-C70-SF  |
|         |                   | 190.5              | 7.5  | D-2                       | SF             | 200.66     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 5.4                | PHP 1-C75-SF  |
|         |                   | 203.2              | 8.0  | D-2                       | SF             | 213.36     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 5.9                | PHP 1-C80-SF  |
|         |                   | 215.9              | 8.5  | D-2                       | SF             | 226.06     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 6.4                | PHP 1-C85-SF  |
|         |                   | 228.6              | 9.0  | D-3                       | SF             | 238.76     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 6.8                | PHP 1-C90-SF  |
|         |                   | 241.3              | 9.5  | D-3                       | SF             | 251.46     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 7.3                | PHP 1-C95-SF  |
|         |                   | 254.0              | 10.0 | D-3                       | SF             | 264.16     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 7.7                | PHP 1-C100-SF |
|         |                   | 266.7              | 10.5 | D-3                       | SF             | 276.86     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 8.2                | PHP 1-C105-SF |
|         |                   | 279.4              | 11.0 | D-3                       | SF             | 289.56     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 8.6                | PHP 1-C110-SF |
|         |                   | 304.8              | 12.0 | D-3                       | SF             | 314.96     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 9.1                | PHP 1-C120-SF |
|         |                   | 330.2              | 13.0 | D-3                       | SF             | 340.36     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 10.0               | PHP 1-C130-SF |
|         |                   | 355.6              | 14.0 | D-3                       | SF             | 365.76     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 10.9               | PHP 1-C140-SF |
|         |                   | 406.4              | 16.0 | D-3                       | SF             | 416.56     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 11.8               | PHP 1-C160-SF |
|         |                   | 457.2              | 18.0 | D-3                       | SF             | 467.36     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 13.6               | PHP 1-C180-SF |
|         |                   | 508.0              | 20.0 | D-3                       | SF             | 518.16     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 15.9               | PHP 1-C200-SF |
|         |                   | 609.6              | 24.0 | D-3                       | SF             | 619.76     | 12.70             | 74.61          | 21.43 | 31.75 | 52.39 | 1  | 18.6               | PHP 1-C240-SF |
| C       | 2                 | 177.8              | 7.0  | D-1                       | SF             | 187.96     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 6.8                | PHP 2-C70-SF  |
|         |                   | 190.5              | 7.5  | D-1                       | SF             | 200.66     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 7.7                | PHP 2-C75-SF  |
|         |                   | 203.2              | 8.0  | D-1                       | SF             | 213.36     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 8.2                | PHP 2-C80-SF  |
|         |                   | 215.9              | 8.5  | D-2                       | SF             | 226.06     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 8.6                | PHP 2-C85-SF  |
|         |                   | 228.6              | 9.0  | D-2                       | SF             | 238.76     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 9.1                | PHP 2-C90-SF  |
|         |                   | 241.3              | 9.5  | D-2                       | SF             | 251.46     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 9.5                | PHP 2-C95-SF  |
|         |                   | 254.0              | 10.0 | D-3                       | SF             | 264.16     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 10.0               | PHP 2-C100-SF |
|         |                   | 266.7              | 10.5 | D-3                       | SF             | 276.86     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 10.4               | PHP 2-C105-SF |
|         |                   | 279.4              | 11.0 | D-3                       | SF             | 289.56     | 12.70             | 74.61          | 2.38  | 57.15 | 52.39 | 7  | 10.9               | PHP 2-C110-SF |
|         |                   | 304.8              | 12.0 | D-3                       | SF             | 314.96     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 11.3               | PHP 2-C120-SF |
|         |                   | 330.2              | 13.0 | D-3                       | SF             | 340.36     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 12.7               | PHP 2-C130-SF |
|         |                   | 355.6              | 14.0 | D-3                       | SF             | 365.76     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 14.1               | PHP 2-C140-SF |
|         |                   | 406.4              | 16.0 | D-3                       | SF             | 416.56     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 16.3               | PHP 2-C160-SF |
|         |                   | 457.2              | 18.0 | D-3                       | SF             | 467.36     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 17.7               | PHP 2-C180-SF |
|         |                   | 508.0              | 20.0 | D-3                       | SF             | 518.16     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 21.8               | PHP 2-C200-SF |
|         |                   | 609.6              | 24.0 | D-3                       | SF             | 619.76     | 12.70             | 74.61          | 8.73  | 57.15 | 52.39 | 13 | 27.2               | PHP 2-C240-SF |
|         |                   | 762.0              | 30.0 | C-3                       | F              | 772.16     | 25.40             | 101.60         | 30.96 | 57.15 | 95.25 | 7  | 38.6               | PHP 2-C300-F  |
| C       | 3                 | 127.0              | 5.0  | A-1                       | SD             | 137.16     | 12.70             | 50.80          | 15.08 | 82.55 | 46.04 | 21 | 4.5                | PHP 3-C50-SD  |
|         |                   | 139.7              | 5.5  | A-1                       | SD             | 149.86     | 12.70             | 50.80          | 15.08 | 82.55 | 46.04 | 21 | 5.4                | PHP 3-C55-SD  |
|         |                   | 152.4              | 6.0  | D-1                       | SF             | 162.56     | 12.70             | 74.61          | 18.26 | 82.55 | 52.39 | 48 | 6.8                | PHP 3-C60-SF  |
|         |                   | 177.8              | 7.0  | A-1                       | SF             | 187.96     | 12.70             | 74.61          | 10.32 | 82.55 | 52.39 | 20 | 8.2                | PHP 3-C70-SF  |
|         |                   | 190.5              | 7.5  | A-1                       | SF             | 200.66     | 12.70             | 74.61          | 10.32 | 82.55 | 52.39 | 20 | 9.1                | PHP 3-C75-SF  |
|         |                   | 203.2              | 8.0  | B-1                       | E              | 213.36     | 22.23             | 88.90          | 13.49 | 82.55 | 69.85 | 1  | 11.8               | PHP 3-C80-E   |
|         |                   | 215.9              | 8.5  | B-1                       | E              | 226.06     | 22.23             | 88.90          | 13.49 | 82.55 | 69.85 | 1  | 13.2               | PHP 3-C85-E   |
|         |                   | 228.6              | 9.0  | A-1                       | E              | 238.76     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 14.5               | PHP 3-C90-E   |
|         |                   | 241.3              | 9.5  | A-2                       | E              | 251.46     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 15.4               | PHP 3-C95-E   |
|         |                   | 254.0              | 10.0 | A-2                       | E              | 264.16     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 16.3               | PHP 3-C100-E  |
|         |                   | 266.7              | 10.5 | A-3                       | E              | 276.86     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 17.2               | PHP 3-C105-E  |
|         |                   | 279.4              | 11.0 | A-3                       | E              | 289.56     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 18.1               | PHP 3-C110-E  |
|         |                   | 304.8              | 12.0 | A-3                       | E              | 314.96     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 19.5               | PHP 3-C120-E  |
|         |                   | 330.2              | 13.0 | A-3                       | E              | 340.36     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 20.4               | PHP 3-C130-E  |
|         |                   | 355.6              | 14.0 | A-3                       | E              | 365.76     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 23.1               | PHP 3-C140-E  |
|         |                   | 406.4              | 16.0 | A-3                       | E              | 416.56     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 26.8               | PHP 3-C160-E  |
|         |                   | 457.2              | 18.0 | A-3                       | E              | 467.36     | 22.23             | 88.90          | 11.91 | 82.55 | 69.85 | 1  | 29.5               | PHP 3-C180-E  |
|         |                   | 508.0              | 20.0 | D-3                       | E              | 518.16     | 22.23             | 88.90          | 5.56  | 82.55 | 69.85 | 18 | 31.8               | PHP 3-C200-E  |
|         |                   | 609.6              | 24.0 | D-3                       | E              | 619.76     | 22.23             | 88.90          | 5.56  | 82.55 | 69.85 | 18 | 36.3               | PHP 3-C240-E  |
|         |                   | 685.8              | 27.0 | D-3                       | F              | 695.96     | 25.40             | 101.60         | 16.67 | 82.55 | 95.25 | 4  | 47.6               | PHP 3-C270-F  |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.

<sup>2)</sup> Mass does not include bushings.

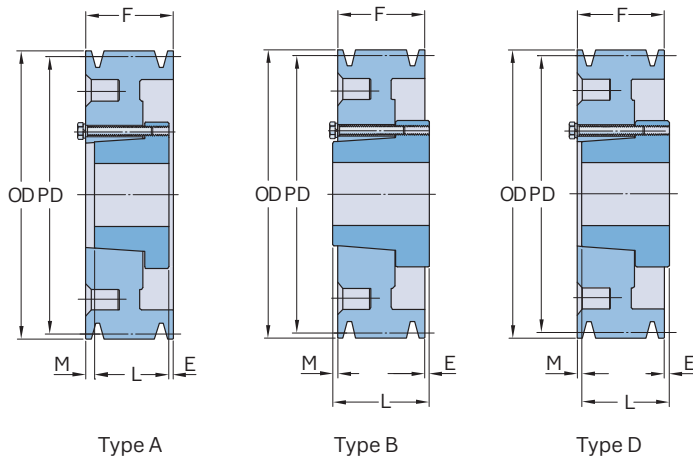
Classical V-belt pulleys  
C QD bushed

| Section | Number of grooves | Pitch diameter |      | Pulley type | Bushing number | Dimensions        |        |        | F     | E      | L      | M      | Mass <sup>2)</sup> | Designation  |      |              |
|---------|-------------------|----------------|------|-------------|----------------|-------------------|--------|--------|-------|--------|--------|--------|--------------------|--------------|------|--------------|
|         |                   | PCD            |      |             |                | Outer diameter OD |        |        |       |        |        |        |                    |              |      |              |
|         |                   | mm             | in.  |             |                | mm                | B Min. | Max.   |       |        |        |        | kg                 |              |      |              |
| C       | 3                 | 762.0          | 30.0 | D-3         | F              | 772.16            | 25.40  | 101.60 | 16.67 | 82.55  | 95.25  | 4      | 54.4               | PHP 3-C300-F |      |              |
|         |                   | 914.4          | 36.0 | D-3         | F              | 924.56            | 25.40  | 101.60 | 16.67 | 82.55  | 95.25  | 4      | 63.5               | PHP 3-C360-F |      |              |
|         |                   | 1117.6         | 44.0 | D-3         | F              | 1127.76           | 25.40  | 101.60 | 16.67 | 82.55  | 95.25  | 4      | 77.1               | PHP 3-C440-F |      |              |
|         |                   | 1270.0         | 50.0 | D-3         | F              | 1280.16           | 25.40  | 101.60 | 16.67 | 82.55  | 95.25  | 4      | 86.2               | PHP 3-C500-F |      |              |
| C       | 4                 | 127.0          | 5.0  | A-1         | SD             | 137.16            | 12.70  | 50.80  | 21.43 | 107.95 | 46.04  | 40     | 5.4                | PHP 4-C50-SD |      |              |
|         |                   | 139.7          | 5.5  | A-1         | SD             | 149.86            | 12.70  | 50.80  | 21.43 | 107.95 | 46.04  | 40     | 6.4                | PHP 4-C55-SD |      |              |
|         |                   | 152.4          | 6.0  | A-1         | SF             | 162.56            | 12.70  | 74.61  | 16.67 | 107.95 | 52.39  | 39     | 7.7                | PHP 4-C60-SF |      |              |
|         |                   | 177.8          | 7.0  | A-1         | SF             | 187.96            | 12.70  | 74.61  | 16.67 | 107.95 | 52.39  | 39     | 9.5                | PHP 4-C70-SF |      |              |
|         |                   | 190.5          | 7.5  | A-1         | SF             | 200.66            | 12.70  | 74.61  | 16.67 | 107.95 | 52.39  | 39     | 11.3               | PHP 4-C75-SF |      |              |
|         |                   | 203.2          | 8.0  | A-1         | E              | 213.36            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 13.6               | PHP 4-C80-E  |      |              |
|         |                   | 215.9          | 8.5  | A-1         | E              | 226.06            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 15.0               | PHP 4-C85-E  |      |              |
|         |                   | 228.6          | 9.0  | A-1         | E              | 238.76            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 15.9               | PHP 4-C90-E  |      |              |
|         |                   | 241.3          | 9.5  | A-2         | E              | 251.46            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 17.2               | PHP 4-C95-E  |      |              |
|         |                   | 254.0          | 10.0 | A-2         | E              | 264.16            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 18.1               | PHP 4-C100-E |      |              |
|         |                   | 266.7          | 10.5 | A-2         | E              | 276.86            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 19.5               | PHP 4-C105-E |      |              |
|         |                   | 279.4          | 11.0 | A-2         | E              | 289.56            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 20.9               | PHP 4-C110-E |      |              |
|         |                   | 304.8          | 12.0 | A-3         | E              | 314.96            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 22.7               | PHP 4-C120-E |      |              |
|         |                   | 330.2          | 13.0 | A-3         | E              | 340.36            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 24.5               | PHP 4-C130-E |      |              |
|         |                   | 355.6          | 14.0 | A-3         | E              | 365.76            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 26.8               | PHP 4-C140-E |      |              |
|         |                   | 406.4          | 16.0 | A-3         | E              | 416.56            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 29.5               | PHP 4-C160-E |      |              |
|         |                   | 457.2          | 18.0 | A-3         | E              | 467.36            | 22.23  | 88.90  | 19.84 | 107.95 | 69.85  | 18     | 33.1               | PHP 4-C180-E |      |              |
|         |                   | 508.0          | 20.0 | A-3         | E              | 518.16            | 22.23  | 88.90  | 7.14  | 107.95 | 69.85  | 31     | 37.2               | PHP 4-C200-E |      |              |
|         |                   | 609.6          | 24.0 | D-3         | F              | 619.76            | 25.40  | 101.60 | 2.38  | 107.95 | 95.25  | 15     | 47.6               | PHP 4-C240-F |      |              |
|         |                   | 685.8          | 27.0 | D-3         | F              | 695.96            | 25.40  | 101.60 | 2.38  | 107.95 | 95.25  | 15     | 56.7               | PHP 4-C270-F |      |              |
|         |                   | 762.0          | 30.0 | D-3         | F              | 772.16            | 25.40  | 101.60 | 2.38  | 107.95 | 95.25  | 15     | 64.4               | PHP 4-C300-F |      |              |
|         |                   | 914.4          | 36.0 | D-3         | F              | 924.56            | 25.40  | 101.60 | 2.38  | 107.95 | 95.25  | 15     | 78.0               | PHP 4-C360-F |      |              |
|         |                   | 1117.6         | 44.0 | C-3         | J              | 1127.76           | 38.10  | 114.30 | –     | 107.95 | 117.48 | 10     | 102.1              | PHP 4-C440-J |      |              |
|         |                   | 1270.0         | 50.0 | C-3         | J              | 1280.16           | 38.10  | 114.30 | –     | 107.95 | 117.48 | 10     | 117.9              | PHP 4-C500-J |      |              |
| C       | 5                 | 152.4          | 6.0  | A-1         | SF             | 162.56            | 12.70  | 74.61  | 26.19 | 133.35 | 52.39  | 55     | 9.5                | PHP 5-C60-SF |      |              |
|         |                   | 177.8          | 7.0  | A-1         | SF             | 187.96            | 12.70  | 74.61  | 26.19 | 133.35 | 52.39  | 55     | 11.8               | PHP 5-C70-SF |      |              |
|         |                   | 190.5          | 7.5  | A-1         | SF             | 200.66            | 12.70  | 74.61  | 26.19 | 133.35 | 52.39  | 55     | 12.7               | PHP 5-C75-SF |      |              |
|         |                   | 203.2          | 8.0  | A-1         | E              | 213.36            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 15.0               | PHP 5-C80-E  |      |              |
|         |                   | 215.9          | 8.5  | A-1         | E              | 226.06            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 16.8               | PHP 5-C85-E  |      |              |
|         |                   | 228.6          | 9.0  | A-1         | E              | 238.76            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 18.1               | PHP 5-C90-E  |      |              |
|         |                   | 241.3          | 9.5  | A-2         | E              | 251.46            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 19.1               | PHP 5-C95-E  |      |              |
|         |                   | 254.0          | 10.0 | A-2         | E              | 264.16            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 20.4               | PHP 5-C100-E |      |              |
|         |                   | 266.7          | 10.5 | A-2         | E              | 276.86            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 21.3               | PHP 5-C105-E |      |              |
|         |                   | 279.4          | 11.0 | A-2         | E              | 289.56            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 22.7               | PHP 5-C110-E |      |              |
|         |                   | 304.8          | 12.0 | A-2         | E              | 314.96            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 24.0               | PHP 5-C120-E |      |              |
|         |                   | 330.2          | 13.0 | A-3         | E              | 340.36            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 26.3               | PHP 5-C130-E |      |              |
|         |                   | 355.6          | 14.0 | A-3         | E              | 365.76            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 29.0               | PHP 5-C140-E |      |              |
|         |                   | 406.4          | 16.0 | A-3         | E              | 416.56            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 33.1               | PHP 5-C160-E |      |              |
|         |                   | 457.2          | 18.0 | A-3         | E              | 467.36            | 22.23  | 88.90  | 29.37 | 133.35 | 69.85  | 34     | 38.6               | PHP 5-C180-E |      |              |
|         |                   | 508.0          | 20.0 | D-3         | F              | 518.16            | 25.40  | 101.60 | 2.38  | 133.35 | 95.25  | 40     | 44.5               | PHP 5-C200-F |      |              |
|         |                   | 609.6          | 24.0 | D-3         | F              | 619.76            | 25.40  | 101.60 | 2.38  | 133.35 | 95.25  | 40     | 54.0               | PHP 5-C240-F |      |              |
|         |                   | 685.8          | 27.0 | D-3         | F              | 695.96            | 25.40  | 101.60 | 2.38  | 133.35 | 95.25  | 40     | 69.4               | PHP 5-C270-F |      |              |
|         |                   | 762.0          | 30.0 | D-3         | F              | 772.16            | 25.40  | 101.60 | 2.38  | 133.35 | 95.25  | 40     | 78.9               | PHP 5-C300-F |      |              |
|         |                   | 914.4          | 36.0 | A-3         | J              | 924.56            | 38.10  | 114.30 | 1.59  | 133.35 | 117.48 | 14     | 93.4               | PHP 5-C360-J |      |              |
|         |                   | 1117.6         | 44.0 | A-3         | J              | 1127.76           | 38.10  | 114.30 | 1.59  | 133.35 | 117.48 | 14     | 115.2              | PHP 5-C440-J |      |              |
|         |                   | 1270.0         | 50.0 | A-3         | J              | 1280.16           | 38.10  | 114.30 | 1.59  | 133.35 | 117.48 | 14     | 124.3              | PHP 5-C500-J |      |              |
|         |                   | C              | 6    | 152.4       | 6.0            | A-1               | SF     | 162.56 | 12.70 | 74.61  | 26.19  | 158.75 | 52.39              | 80           | 9.1  | PHP 6-C60-SF |
|         |                   |                |      | 177.8       | 7.0            | A-1               | SF     | 187.96 | 12.70 | 74.61  | 26.19  | 158.75 | 52.39              | 80           | 11.8 | PHP 6-C70-SF |
| 190.5   | 7.5               |                |      | A-1         | SF             | 200.66            | 12.70  | 74.61  | 26.19 | 158.75 | 52.39  | 80     | 13.2               | PHP 6-C75-SF |      |              |
| 203.2   | 8.0               |                |      | A-1         | E              | 213.36            | 22.23  | 88.90  | 29.37 | 158.75 | 69.85  | 60     | 16.3               | PHP 6-C80-E  |      |              |
| 215.9   | 8.5               |                |      | A-1         | E              | 226.06            | 22.23  | 88.90  | 29.37 | 158.75 | 69.85  | 60     | 17.7               | PHP 6-C85-E  |      |              |
| 228.6   | 9.0               |                |      | A-1         | F              | 238.76            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 23.1               | PHP 6-C90-F  |      |              |
| 241.3   | 9.5               |                |      | A-1         | F              | 251.46            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 25.0               | PHP 6-C95-F  |      |              |
| 254.0   | 10.0              |                |      | A-1         | F              | 264.16            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 26.8               | PHP 6-C100-F |      |              |
| 266.7   | 10.5              |                |      | A-2         | F              | 276.86            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 28.1               | PHP 6-C105-F |      |              |
| 279.4   | 11.0              |                |      | A-2         | F              | 289.56            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 29.9               | PHP 6-C110-F |      |              |
| 304.8   | 12.0              |                |      | A-2         | F              | 314.96            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 31.8               | PHP 6-C120-F |      |              |
| 330.2   | 13.0              |                |      | A-3         | F              | 340.36            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 33.6               | PHP 6-C130-F |      |              |
| 355.6   | 14.0              |                |      | A-3         | F              | 365.76            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 36.3               | PHP 6-C140-F |      |              |
| 406.4   | 16.0              |                |      | A-3         | F              | 416.56            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 40.4               | PHP 6-C160-F |      |              |
| 457.2   | 18.0              |                |      | A-3         | F              | 467.36            | 25.40  | 101.60 | 26.19 | 158.75 | 95.25  | 37     | 46.3               | PHP 6-C180-F |      |              |
| 508.0   | 20.0              |                |      | A-3         | F              | 518.16            | 25.40  | 101.60 | 13.49 | 158.75 | 95.25  | 50     | 50.8               | PHP 6-C200-F |      |              |
| 609.6   | 24.0              |                |      | A-3         | F              | 619.76            | 25.40  | 101.60 | 13.49 | 158.75 | 95.25  | 50     | 59.4               | PHP 6-C240-F |      |              |
| 685.8   | 27.0              |                |      | A-3         | J              | 695.96            | 38.10  | 114.30 | 1.59  | 158.75 | 117.48 | 40     | 72.6               | PHP 6-C270-J |      |              |
| 762.0   | 30.0              |                |      | A-3         | J              | 772.16            | 38.10  | 114.30 | 1.59  | 158.75 | 117.48 | 40     | 86.2               | PHP 6-C300-J |      |              |
| 914.4   | 36.0              |                |      | A-3         | J              | 924.56            | 38.10  | 114.30 | 1.59  | 158.75 | 117.48 | 40     | 105.2              | PHP 6-C360-J |      |              |
| 1117.6  | 44.0              |                |      | A-3         | J              | 1127.76           | 38.10  | 114.30 | 1.59  | 158.75 | 117.48 | 40     | 135.6              | PHP 6-C440-J |      |              |
| 1270.0  | 50.0              |                |      | B-3         | M              | 1280.16           | 50.80  | 139.70 | 5.56  | 158.75 | 171.45 | 18     | 145.2              | PHP 6-C500-M |      |              |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.

<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
C QD bushed



| Section | Number of grooves | Pitch diameter |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |           | Max.   | F     | E      | L      | M      | Mass <sup>2)</sup> | Designation  |
|---------|-------------------|----------------|------|---------------------------|----------------|-------------------|-----------|--------|-------|--------|--------|--------|--------------------|--------------|
|         |                   | PCD            |      |                           |                | Outer diameter OD | Bore Min. |        |       |        |        |        |                    |              |
| –       | –                 | mm             | in.  | –                         | –              | mm                |           |        |       |        |        |        | kg                 | –            |
| C       | 8                 | 203.2          | 8.0  | A-1                       | E              | 213.36            | 22.23     | 88.90  | 51.59 | 209.55 | 69.85  | 88     | 19.5               | PHP 8-C80-E  |
|         |                   | 215.9          | 8.5  | A-1                       | E              | 226.06            | 22.23     | 88.90  | 76.99 | 209.55 | 69.85  | 88     | 21.8               | PHP 8-C85-E  |
|         |                   | 228.6          | 9.0  | A-1                       | F              | 238.76            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 27.2               | PHP 8-C90-F  |
|         |                   | 241.3          | 9.5  | A-1                       | F              | 251.46            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 29.5               | PHP 8-C95-F  |
|         |                   | 254.0          | 10.0 | A-1                       | F              | 264.16            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 31.3               | PHP 8-C100-F |
|         |                   | 266.7          | 10.5 | A-2                       | F              | 276.86            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 33.1               | PHP 8-C105-F |
|         |                   | 279.4          | 11.0 | A-2                       | F              | 289.56            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 35.4               | PHP 8-C110-F |
|         |                   | 304.8          | 12.0 | A-3                       | F              | 314.96            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 37.7               | PHP 8-C120-F |
|         |                   | 330.2          | 13.0 | A-3                       | F              | 340.36            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 40.4               | PHP 8-C130-F |
|         |                   | 355.6          | 14.0 | A-3                       | F              | 365.76            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 44.0               | PHP 8-C140-F |
|         |                   | 406.4          | 16.0 | A-3                       | F              | 416.56            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 51.3               | PHP 8-C160-F |
|         |                   | 457.2          | 18.0 | A-3                       | F              | 467.36            | 25.40     | 101.60 | 48.42 | 209.55 | 95.25  | 66     | 59.4               | PHP 8-C180-F |
|         |                   | 508.0          | 20.0 | A-3                       | J              | 518.16            | 38.10     | 114.30 | 1.59  | 209.55 | 117.48 | 90     | 69.0               | PHP 8-C200-J |
|         |                   | 609.6          | 24.0 | A-3                       | J              | 619.76            | 38.10     | 114.30 | 1.59  | 209.55 | 117.48 | 90     | 83.9               | PHP 8-C240-J |
|         |                   | 685.8          | 27.0 | A-3                       | J              | 695.96            | 38.10     | 114.30 | 1.59  | 209.55 | 117.48 | 90     | 94.4               | PHP 8-C270-J |
|         |                   | 762.0          | 30.0 | A-3                       | J              | 772.16            | 38.10     | 114.30 | 1.59  | 209.55 | 117.48 | 90     | 104.3              | PHP 8-C300-J |
|         |                   | 914.4          | 36.0 | A-3                       | M              | 924.56            | 50.80     | 139.70 | 7.14  | 209.55 | 171.45 | 31     | 138.8              | PHP 8-C360-M |
|         |                   | 1117.6         | 44.0 | A-3                       | M              | 1127.76           | 50.80     | 139.70 | 7.14  | 209.55 | 171.45 | 31     | 181.4              | PHP 8-C440-M |
|         |                   | 1270.0         | 50.0 | A-3                       | M              | 1280.16           | 50.80     | 139.70 | 7.14  | 209.55 | 171.45 | 31     | 215.5              | PHP 8-C500-M |
|         |                   | D              | 3    | 304.8                     | 12.0           | A-2               | F         | 321.06 | 25.40 | 101.60 | 3.97   | 117.48 | 95.25              | 18           |
| 330.2   | 13.0              |                |      | A-2                       | F              | 346.46            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 34.5               | PHP 3-D130-F |
| 342.9   | 13.5              |                |      | A-2                       | F              | 359.16            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 35.8               | PHP 3-D135-F |
| 355.6   | 14.0              |                |      | A-2                       | F              | 371.86            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 37.2               | PHP 3-D140-F |
| 368.3   | 14.5              |                |      | A-3                       | F              | 384.56            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 38.6               | PHP 3-D145-F |
| 381.0   | 15.0              |                |      | A-3                       | F              | 397.26            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 40.4               | PHP 3-D150-F |
| 393.7   | 15.5              |                |      | A-3                       | F              | 409.96            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 41.7               | PHP 3-D155-F |
| 406.4   | 16.0              |                |      | A-3                       | F              | 422.66            | 25.40     | 101.60 | 3.97  | 117.48 | 95.25  | 18     | 43.5               | PHP 3-D160-F |
| 457.2   | 18.0              |                |      | D-3                       | J              | 473.46            | 38.10     | 114.30 | 6.35  | 117.48 | 117.48 | 6      | 49.9               | PHP 3-D180-J |
| 508.0   | 20.0              |                |      | D-3                       | J              | 524.26            | 38.10     | 114.30 | 6.35  | 117.48 | 117.48 | 6      | 54.4               | PHP 3-D200-J |
| 558.8   | 22.0              |                |      | D-3                       | J              | 575.06            | 38.10     | 114.30 | 6.35  | 117.48 | 117.48 | 6      | 59.0               | PHP 3-D220-J |
| 685.8   | 27.0              |                |      | D-3                       | J              | 702.06            | 38.10     | 114.30 | 6.35  | 117.48 | 117.48 | 6      | 78.5               | PHP 3-D270-J |
| 838.2   | 33.0              |                |      | D-3                       | J              | 854.46            | 38.10     | 114.30 | 6.35  | 117.48 | 117.48 | 6      | 108.9              | PHP 3-D330-J |
| 1016.0  | 40.0              |                |      | D-3                       | J              | 1032.26           | 38.10     | 114.30 | 6.35  | 117.48 | 117.48 | 6      | 136.1              | PHP 3-D440-J |
| D       | 4                 | 304.8          | 12.0 | A-2                       | F              | 321.06            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 37.7               | PHP 4-D120-F |
|         |                   | 330.2          | 13.0 | A-2                       | F              | 346.46            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 39.0               | PHP 4-D130-F |
|         |                   | 342.9          | 13.5 | A-2                       | F              | 359.16            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 40.4               | PHP 4-D135-F |
|         |                   | 355.6          | 14.0 | A-2                       | F              | 371.86            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 41.7               | PHP 4-D140-F |
|         |                   | 368.3          | 14.5 | A-3                       | F              | 384.56            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 43.1               | PHP 4-D145-F |
|         |                   | 381.0          | 15.0 | A-3                       | F              | 397.26            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 44.9               | PHP 4-D150-F |
|         |                   | 393.7          | 15.5 | A-3                       | F              | 409.96            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 46.3               | PHP 4-D155-F |
|         |                   | 406.4          | 16.0 | A-3                       | F              | 422.66            | 25.40     | 101.60 | 24.61 | 153.99 | 95.25  | 34     | 48.1               | PHP 4-D160-F |
|         |                   | 457.2          | 18.0 | A-3                       | J              | 473.46            | 38.10     | 114.30 | 3.18  | 153.99 | 117.48 | 33     | 54.4               | PHP 4-D180-J |
|         |                   | 508.0          | 20.0 | A-3                       | J              | 524.26            | 38.10     | 114.30 | 3.18  | 153.99 | 117.48 | 33     | 59.9               | PHP 4-D200-J |
|         |                   | 558.8          | 22.0 | A-3                       | J              | 575.06            | 38.10     | 114.30 | 3.18  | 153.99 | 117.48 | 33     | 70.3               | PHP 4-D220-J |
|         |                   | 685.8          | 27.0 | A-3                       | J              | 702.06            | 38.10     | 114.30 | 3.18  | 153.99 | 117.48 | 33     | 87.5               | PHP 4-D270-J |
|         |                   | 838.2          | 33.0 | B-3                       | M              | 854.46            | 50.80     | 139.70 | 8.73  | 153.99 | 171.45 | 26     | 127.0              | PHP 4-D330-M |
|         |                   | 1016.0         | 40.0 | B-3                       | M              | 1032.26           | 50.80     | 139.70 | 8.73  | 153.99 | 171.45 | 26     | 157.9              | PHP 4-D440-M |
|         |                   | 1219.2         | 48.0 | B-3                       | M              | 1235.46           | 50.80     | 139.70 | 8.73  | 153.99 | 171.45 | 26     | 172.4              | PHP 4-D480-M |
|         |                   | 1473.2         | 58.0 | B-3                       | M              | 1489.46           | 50.80     | 139.70 | 8.73  | 153.99 | 171.45 | 26     | 190.5              | PHP 4-D580-M |
| D       | 5                 | 304.8          | 12.0 | A-2                       | F              | 321.06            | 25.40     | 101.60 | 43.66 | 190.50 | 95.25  | 52     | 42.2               | PHP 5-D120-F |
|         |                   | 330.2          | 13.0 | A-2                       | F              | 346.46            | 25.40     | 101.60 | 43.66 | 190.50 | 95.25  | 52     | 43.5               | PHP 5-D130-F |
|         |                   | 342.9          | 13.5 | A-2                       | F              | 359.16            | 25.40     | 101.60 | 43.66 | 190.50 | 95.25  | 52     | 46.3               | PHP 5-D135-F |
|         |                   | 355.6          | 14.0 | A-2                       | F              | 371.86            | 25.40     | 101.60 | 43.66 | 190.50 | 95.25  | 52     | 48.1               | PHP 5-D140-F |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.

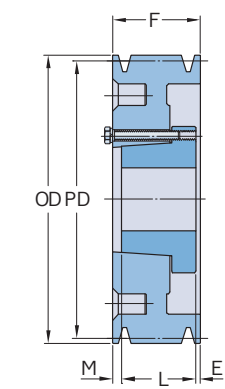
<sup>2)</sup> Mass does not include bushings.

# Classical V-belt pulleys D QD bushed

| Section | Number of grooves | Pitch diameter |      | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |        | F      | E     | L      | M      | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------|---------------------------|----------------|-------------------|--------|--------|-------|--------|--------|--------------------|---------------|
|         |                   | PCD            |      |                           |                | Outer diameter OD | B Min. |        |       |        |        |                    |               |
| mm      | –                 | in.            |      | –                         | –              | mm                |        | Max.   |       |        |        | kg                 | –             |
| D       | 5                 | 368.3          | 14.5 | A-3                       | F              | 384.56            | 25.40  | 101.60 | 43.66 | 190.50 | 95.25  | 50.8               | PHP 5-D145-F  |
|         |                   | 381.0          | 15.0 | A-3                       | F              | 397.26            | 25.40  | 101.60 | 43.66 | 190.50 | 95.25  | 54.4               | PHP 5-D150-F  |
|         |                   | 393.7          | 15.5 | A-3                       | F              | 409.96            | 25.40  | 101.60 | 43.66 | 190.50 | 95.25  | 56.7               | PHP 5-D155-F  |
|         |                   | 406.4          | 16.0 | A-3                       | F              | 422.66            | 25.40  | 101.60 | 43.66 | 190.50 | 95.25  | 59.0               | PHP 5-D160-F  |
|         |                   | 457.2          | 18.0 | A-3                       | J              | 473.46            | 38.10  | 114.30 | 47.63 | 190.50 | 117.48 | 68.0               | PHP 5-D180-J  |
|         |                   | 508.0          | 20.0 | A-3                       | J              | 524.26            | 38.10  | 114.30 | 3.18  | 190.50 | 117.48 | 72.6               | PHP 5-D200-J  |
|         |                   | 558.8          | 22.0 | A-3                       | J              | 575.06            | 38.10  | 114.30 | 3.18  | 190.50 | 117.48 | 86.2               | PHP 5-D220-J  |
|         |                   | 685.8          | 27.0 | A-3                       | M              | 702.06            | 50.80  | 139.70 | 8.73  | 190.50 | 171.45 | 117.9              | PHP 5-D270-M  |
|         |                   | 838.2          | 33.0 | A-3                       | M              | 854.46            | 50.80  | 139.70 | 8.73  | 190.50 | 171.45 | 145.2              | PHP 5-D330-M  |
|         |                   | 1016.0         | 40.0 | A-3                       | M              | 1032.26           | 50.80  | 139.70 | 8.73  | 190.50 | 171.45 | 176.9              | PHP 5-D400-M  |
|         |                   | 1219.2         | 48.0 | A-3                       | M              | 1235.46           | 50.80  | 139.70 | 8.73  | 190.50 | 171.45 | 204.1              | PHP 5-D480-M  |
|         |                   | 1473.2         | 58.0 | A-3                       | M              | 1489.46           | 50.80  | 139.70 | 8.73  | 190.50 | 171.45 | 226.8              | PHP 5-D580-M  |
|         |                   | 304.8          | 12.0 | A-1                       | J              | 321.06            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 52.2               | PHP 6-D120-J  |
|         |                   | 330.2          | 13.0 | A-2                       | J              | 346.46            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 56.7               | PHP 6-D130-J  |
|         |                   | 342.9          | 13.5 | A-2                       | J              | 359.16            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 61.2               | PHP 6-D135-J  |
|         |                   | 355.6          | 14.0 | A-2                       | J              | 371.86            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 65.8               | PHP 6-D140-J  |
|         |                   | 368.3          | 14.5 | A-2                       | J              | 384.56            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 68.0               | PHP 6-D145-J  |
| D       | 6                 | 381.0          | 15.0 | A-2                       | J              | 397.26            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 72.6               | PHP 6-D150-J  |
|         |                   | 393.7          | 15.5 | A-3                       | J              | 409.96            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 74.8               | PHP 6-D155-J  |
|         |                   | 406.4          | 16.0 | A-3                       | J              | 422.66            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 77.1               | PHP 6-D160-J  |
|         |                   | 457.2          | 18.0 | A-3                       | J              | 473.46            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 81.7               | PHP 6-D180-J  |
|         |                   | 508.0          | 20.0 | A-3                       | J              | 524.26            | 38.10  | 114.30 | 47.63 | 227.01 | 117.48 | 97.5               | PHP 6-D200-J  |
|         |                   | 558.8          | 22.0 | A-3                       | M              | 575.06            | 50.80  | 139.70 | 8.73  | 227.01 | 171.45 | 113.4              | PHP 6-D220-M  |
|         |                   | 685.8          | 27.0 | A-3                       | M              | 702.06            | 50.80  | 139.70 | 8.73  | 227.01 | 171.45 | 136.1              | PHP 6-D270-M  |
|         |                   | 838.2          | 33.0 | A-3                       | M              | 854.46            | 50.80  | 139.70 | 8.73  | 227.01 | 171.45 | 163.3              | PHP 6-D330-M  |
|         |                   | 1016.0         | 40.0 | A-3                       | M              | 1032.26           | 50.80  | 139.70 | 8.73  | 227.01 | 171.45 | 199.6              | PHP 6-D400-M  |
|         |                   | 1219.2         | 48.0 | A-3                       | M              | 1235.46           | 50.80  | 139.70 | 8.73  | 227.01 | 171.45 | 254.0              | PHP 6-D480-M  |
|         |                   | 1473.2         | 58.0 | A-3                       | N              | 1489.46           | 61.91  | 149.23 | 4.76  | 227.01 | 206.38 | 299.4              | PHP 6-D580-N  |
|         |                   | 304.8          | 12.0 | A-1                       | J              | 321.06            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 63.5               | PHP 8-D120-J  |
|         |                   | 330.2          | 13.0 | A-2                       | J              | 346.46            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 68.0               | PHP 8-D130-J  |
|         |                   | 342.9          | 13.5 | A-2                       | J              | 359.16            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 72.6               | PHP 8-D135-J  |
|         |                   | 355.6          | 14.0 | A-2                       | J              | 371.86            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 77.1               | PHP 8-D140-J  |
|         |                   | 368.3          | 14.5 | A-2                       | J              | 384.56            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 80.7               | PHP 8-D145-J  |
|         |                   | 381.0          | 15.0 | A-2                       | J              | 397.26            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 82.6               | PHP 8-D150-J  |
| D       | 8                 | 393.7          | 15.5 | A-2                       | J              | 409.96            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 86.2               | PHP 8-D155-J  |
|         |                   | 406.4          | 16.0 | A-2                       | J              | 422.66            | 38.10  | 114.30 | 53.98 | 300.04 | 117.48 | 91.2               | PHP 8-D160-J  |
|         |                   | 457.2          | 18.0 | A-3                       | M              | 473.46            | 50.80  | 139.70 | 59.53 | 300.04 | 171.45 | 117.9              | PHP 8-D180-M  |
|         |                   | 508.0          | 20.0 | A-3                       | M              | 524.26            | 50.80  | 139.70 | 59.53 | 300.04 | 171.45 | 122.5              | PHP 8-D200-M  |
|         |                   | 558.8          | 22.0 | A-3                       | M              | 575.06            | 50.80  | 139.70 | 8.73  | 300.04 | 171.45 | 120                | PHP 8-D220-M  |
|         |                   | 685.8          | 27.0 | A-3                       | M              | 702.06            | 50.80  | 139.70 | 8.73  | 300.04 | 171.45 | 120                | PHP 8-D270-M  |
|         |                   | 838.2          | 33.0 | A-3                       | M              | 854.46            | 50.80  | 139.70 | 8.73  | 300.04 | 171.45 | 120                | PHP 8-D330-M  |
|         |                   | 1016.0         | 40.0 | A-3                       | N              | 1032.26           | 61.91  | 149.23 | 4.76  | 300.04 | 206.38 | 89                 | PHP 8-D400-N  |
|         |                   | 1219.2         | 48.0 | A-3                       | N              | 1235.46           | 61.91  | 149.23 | 4.76  | 300.04 | 206.38 | 89                 | PHP 8-D480-N  |
|         |                   | 1473.2         | 58.0 | A-3                       | N              | 1489.46           | 61.91  | 149.23 | 4.76  | 300.04 | 206.38 | 89                 | PHP 8-D580-N  |
|         |                   | 304.8          | 12.0 | A-1                       | M              | 321.06            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D120-M |
|         |                   | 330.2          | 13.0 | A-1                       | M              | 346.46            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D130-M |
|         |                   | 342.9          | 13.5 | A-1                       | M              | 359.16            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D135-M |
|         |                   | 355.6          | 14.0 | A-1                       | M              | 371.86            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D140-M |
|         |                   | 368.3          | 14.5 | A-2                       | M              | 384.56            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D145-M |
|         |                   | 381.0          | 15.0 | A-2                       | M              | 397.26            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D150-M |
|         |                   | 393.7          | 15.5 | A-2                       | M              | 409.96            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D155-M |
| D       | 10                | 406.4          | 16.0 | A-2                       | M              | 422.66            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D160-M |
|         |                   | 457.2          | 18.0 | A-2                       | M              | 473.46            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D180-M |
|         |                   | 508.0          | 20.0 | A-2                       | M              | 524.26            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 148                | PHP 10-D200-M |
|         |                   | 558.8          | 22.0 | A-3                       | M              | 575.06            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 173                | PHP 10-D220-M |
|         |                   | 685.8          | 27.0 | A-3                       | M              | 702.06            | 50.80  | 139.70 | 59.53 | 373.06 | 171.45 | 173                | PHP 10-D270-M |
|         |                   | 838.2          | 33.0 | A-3                       | N              | 854.46            | 61.91  | 149.23 | 30.16 | 373.06 | 206.38 | 143                | PHP 10-D330-N |
|         |                   | 1016.0         | 40.0 | A-3                       | N              | 1032.26           | 61.91  | 149.23 | 30.16 | 373.06 | 206.38 | 143                | PHP 10-D400-N |
|         |                   | 1219.2         | 48.0 | A-3                       | P              | 1235.46           | 74.61  | 177.80 | 6.35  | 373.06 | 238.13 | 129                | PHP 10-D480-P |
|         |                   | 1473.2         | 58.0 | A-3                       | P              | 1489.46           | 74.61  | 177.80 | 6.35  | 373.06 | 238.13 | 129                | PHP 10-D580-P |
|         |                   | 304.8          | 12.0 | A-1                       | M              | 321.06            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D120-M |
|         |                   | 330.2          | 13.0 | A-1                       | M              | 346.46            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D130-M |
|         |                   | 342.9          | 13.5 | A-1                       | M              | 359.16            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D135-M |
|         |                   | 355.6          | 14.0 | A-1                       | M              | 371.86            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D140-M |
|         |                   | 368.3          | 14.5 | A-1                       | M              | 384.56            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D145-M |
|         |                   | 381.0          | 15.0 | A-2                       | M              | 397.26            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D150-M |
|         |                   | 393.7          | 15.5 | A-1                       | M              | 409.96            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D155-M |
|         |                   | 406.4          | 16.0 | A-2                       | M              | 422.66            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D160-M |
| D       | 12                | 457.2          | 18.0 | A-2                       | M              | 473.46            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D180-M |
|         |                   | 508.0          | 20.0 | A-2                       | M              | 524.26            | 50.80  | 139.70 | 84.93 | 446.09 | 171.45 | 190                | PHP 12-D200-M |
|         |                   | 558.8          | 22.0 | A-3                       | M              | 575.06            | 50.80  | 139.70 | 59.53 | 446.09 | 171.45 | 215                | PHP 12-D220-M |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.  
<sup>2)</sup> Mass does not include bushings.

Classical V-belt pulleys  
D QD bushed

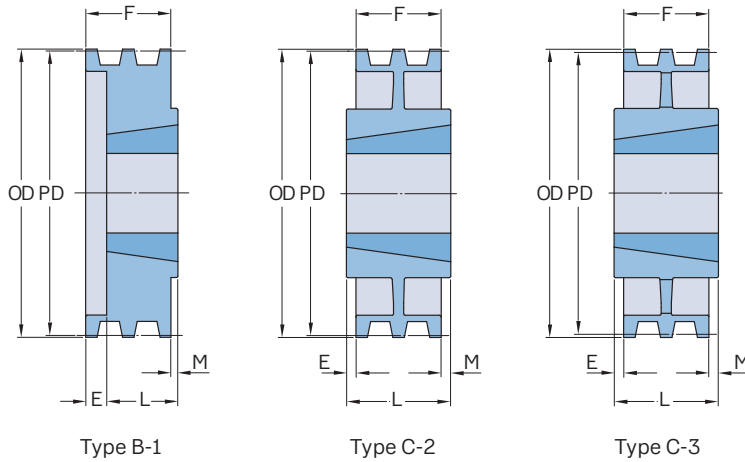


Type A

| Section | Number of grooves | Pitch diameter |            | Pulley type <sup>1)</sup> | Bushing number | Dimensions        |           |        |       |        |        |     | Mass <sup>2)</sup> | Designation   |
|---------|-------------------|----------------|------------|---------------------------|----------------|-------------------|-----------|--------|-------|--------|--------|-----|--------------------|---------------|
|         |                   | PCD            |            |                           |                | Outer diameter OD | Bore Min. | Max.   | F     | E      | L      | M   |                    |               |
| –       | –                 | mm             | <i>in.</i> | –                         | –              | mm                |           |        |       |        |        |     | kg                 | –             |
| D       | 12                | 685.8          | 27.0       | A-3                       | N              | 702.06            | 61.91     | 149.23 | 55.56 | 446.09 | 206.38 | 184 | 235.9              | PHP 12-D270-N |
|         |                   | 838.2          | 33.0       | A-3                       | N              | 854.46            | 61.91     | 149.23 | 58.74 | 446.09 | 206.38 | 184 | 301.6              | PHP 12-D330-N |
|         |                   | 1016.0         | 40.0       | A-3                       | P              | 1032.26           | 74.61     | 177.80 | 6.35  | 446.09 | 238.13 | 202 | 394.6              | PHP 12-D400-P |
|         |                   | 1219.2         | 48.0       | A-3                       | P              | 1235.46           | 74.61     | 177.80 | 6.35  | 446.09 | 238.13 | 202 | 494.4              | PHP 12-D480-P |
|         |                   | 1473.2         | 58.0       | A-3                       | P              | 1489.46           | 74.61     | 177.80 | 6.35  | 446.09 | 238.13 | 202 | 589.7              | PHP 12-D580-P |

<sup>1)</sup> Please, note that 1 in pulley type stands for solid version, 2 for web version and 3 for arm/spoke version.  
<sup>2)</sup> Mass does not include bushings.

Narrow wedge belt pulleys  
3V taper bushed

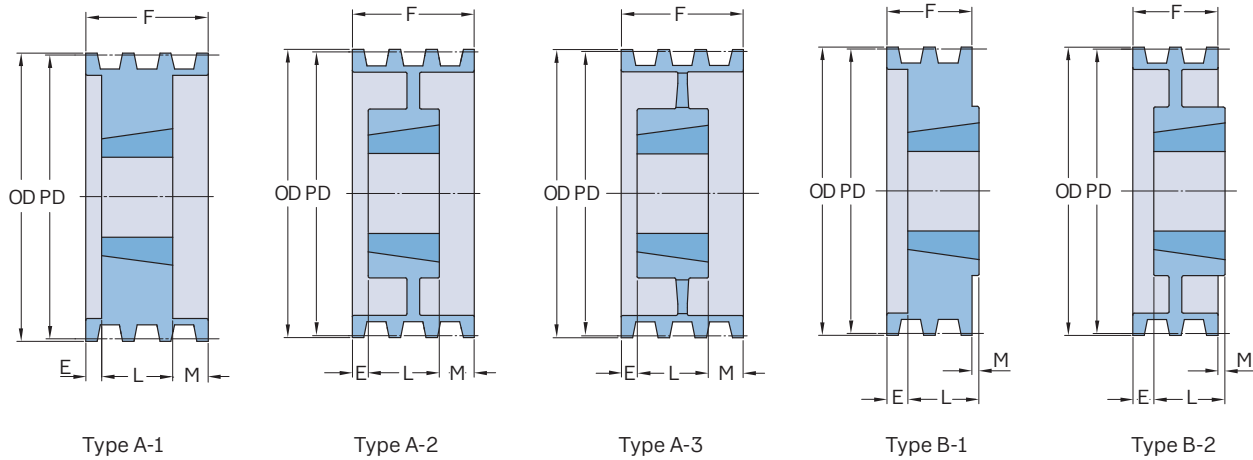


| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number     | Dimensions        |       | B     |       | F     | E     | L     | M     | Mass <sup>2)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|--------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|--------------------|----------------|
|         |                   | mm                 |             |                    | Outer diameter OD | in.   | Min.  | Max.  |       |       |       |       | kg                 |                |
| 3V      | 1                 | 66.04              | B-1         | 1108               | 67.31             | 2.65  | 9.53  | 28.58 | 26.99 | 5.56  | 22.23 | 27.78 | 0.34               | PHP 1-3V265TB  |
|         |                   | 69.85              | B-1         | 1108               | 71.12             | 2.80  | 9.53  | 28.58 | 26.99 | 5.56  | 22.23 | 27.78 | 0.39               | PHP 1-3V280TB  |
|         |                   | 74.93              | B-1         | 1108               | 76.20             | 3.00  | 9.53  | 28.58 | 26.99 | 5.56  | 22.23 | 27.78 | 0.45               | PHP 1-3V300TB  |
|         |                   | 78.74              | B-1         | 1108               | 80.01             | 3.15  | 9.53  | 28.58 | 26.99 | 5.56  | 22.23 | 27.78 | 0.45               | PHP 1-3V315TB  |
|         |                   | 83.82              | B-1         | 1610               | 85.09             | 3.35  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 0.50               | PHP 1-3V335TB  |
|         |                   | 91.44              | B-1         | 1610               | 92.71             | 3.65  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 0.59               | PHP 1-3V365TB  |
|         |                   | 103.38             | B-1         | 1610               | 104.65            | 4.12  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 0.91               | PHP 1-3V412TB  |
|         |                   | 113.03             | B-1         | 1610               | 114.30            | 4.50  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 1.04               | PHP 1-3V450TB  |
|         |                   | 119.38             | B-1         | 1610               | 120.65            | 4.75  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 1.18               | PHP 1-3V475TB  |
|         |                   | 125.73             | B-1         | 1610               | 127.00            | 5.00  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 1.32               | PHP 1-3V500TB  |
|         |                   | 133.35             | B-1         | 1610               | 134.62            | 5.30  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 1.50               | PHP 1-3V530TB  |
|         |                   | 140.97             | B-1         | 1610               | 142.24            | 5.60  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 1.68               | PHP 1-3V560TB  |
|         |                   | 151.13             | B-1         | 1610               | 152.40            | 6.00  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 1.91               | PHP 1-3V600TB  |
|         |                   | 163.83             | B-1         | 1610               | 165.10            | 6.50  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 2.27               | PHP 1-3V650TB  |
|         |                   | 173.99             | B-1         | 1610               | 175.26            | 6.90  | 12.70 | 41.28 | 26.99 | 2.38  | 25.40 | 27.78 | 2.54               | PHP 1-3V690TB  |
|         |                   | 201.93             | C-2         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50 | 26.99 | –     | 44.45 | 27.78 | 3.86               | PHP 1-3V800TB  |
|         |                   | 267.97             | C-2         | 2517 <sup>1)</sup> | 269.24            | 10.60 | 19.05 | 63.50 | 26.99 | –     | 44.45 | 27.78 | 6.35               | PHP 1-3V1060TB |
|         |                   | 354.33             | C-3         | 2517 <sup>1)</sup> | 355.60            | 14.00 | 19.05 | 63.50 | 26.99 | –     | 44.45 | 27.78 | 9.07               | PHP 1-3V1400TB |
|         |                   | 481.33             | C-3         | 3020               | 482.60            | 19.00 | 31.75 | 76.20 | 26.99 | –     | 50.80 | 27.78 | 11.79              | PHP 1-3V1900TB |
| 3V      | 2                 | 66.04              | B-1         | 1108               | 67.31             | 2.65  | 9.53  | 28.58 | 27.78 | 5.56  | 22.23 | –     | 0.34               | PHP 2-3V265TB  |
|         |                   | 69.85              | B-1         | 1108               | 71.12             | 2.80  | 9.53  | 28.58 | 27.78 | 12.70 | 22.23 | 27.78 | 0.41               | PHP 2-3V280TB  |
|         |                   | 74.93              | B-1         | 1210               | 76.20             | 3.00  | 15.88 | 31.75 | 27.78 | 2.38  | 25.40 | –     | 0.64               | PHP 2-3V300TB  |
|         |                   | 78.74              | B-1         | 1210               | 80.01             | 3.15  | 15.88 | 31.75 | 27.78 | 12.70 | 25.40 | 27.78 | 0.45               | PHP 2-3V315TB  |
|         |                   | 83.82              | B-1         | 1610               | 85.09             | 3.35  | 12.70 | 41.28 | 27.78 | 12.70 | 25.40 | 27.78 | 0.68               | PHP 2-3V335TB  |
|         |                   | 91.44              | B-1         | 1610               | 92.71             | 3.65  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 0.73               | PHP 2-3V365TB  |
|         |                   | 103.38             | B-1         | 1610               | 104.65            | 4.12  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 0.95               | PHP 2-3V412TB  |
|         |                   | 113.03             | B-1         | 1610               | 114.30            | 4.50  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 1.22               | PHP 2-3V450TB  |
|         |                   | 119.38             | B-1         | 1610               | 120.65            | 4.75  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 1.41               | PHP 2-3V475TB  |
|         |                   | 125.73             | B-1         | 1610               | 127.00            | 5.00  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 1.63               | PHP 2-3V500TB  |
|         |                   | 133.35             | B-1         | 1610               | 134.62            | 5.30  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 1.91               | PHP 2-3V530TB  |
|         |                   | 140.97             | B-1         | 1610               | 142.24            | 5.60  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 2.18               | PHP 2-3V560TB  |
|         |                   | 151.13             | B-1         | 1610               | 152.40            | 6.00  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 2.63               | PHP 2-3V600TB  |
|         |                   | 163.83             | B-1         | 1610               | 165.10            | 6.50  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 3.18               | PHP 2-3V650TB  |
|         |                   | 173.99             | B-1         | 1610               | 175.26            | 6.90  | 12.70 | 41.28 | 27.78 | 2.38  | 25.40 | –     | 3.63               | PHP 2-3V690TB  |
|         |                   | 201.93             | C-2         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50 | 27.78 | –     | 44.45 | 16.67 | 4.99               | PHP 2-3V800TB  |
|         |                   | 267.97             | C-2         | 2517 <sup>1)</sup> | 269.24            | 10.60 | 19.05 | 63.50 | 27.78 | –     | 44.45 | 16.67 | 6.80               | PHP 2-3V1060TB |
|         |                   | 354.33             | C-3         | 2517 <sup>1)</sup> | 355.60            | 14.00 | 19.05 | 63.50 | 27.78 | –     | 44.45 | 16.67 | 9.98               | PHP 2-3V1400TB |
|         |                   | 481.33             | C-3         | 3020               | 482.60            | 19.00 | 31.75 | 76.20 | 27.78 | 3.18  | 50.80 | 23.02 | 14.51              | PHP 2-3V1900TB |
|         |                   | 633.73             | C-3         | 3020               | 635.00            | 25.00 | 31.75 | 76.20 | 27.78 | 3.18  | 50.80 | 19.84 | 20.41              | PHP 2-3V2500TB |
| 3V      | 3                 | 69.85              | B-1         | 1108               | 71.12             | 2.80  | 9.53  | 28.58 | 38.10 | 15.88 | 22.23 | 27.78 | 0.50               | PHP 3-3V280TB  |
|         |                   | 74.93              | B-1         | 1210               | 76.20             | 3.00  | 15.88 | 31.75 | 38.10 | 23.02 | 25.40 | –     | 0.82               | PHP 3-3V300TB  |
|         |                   | 78.74              | B-1         | 1210               | 80.01             | 3.15  | 15.88 | 31.75 | 38.10 | 12.70 | 25.40 | 27.78 | 0.68               | PHP 3-3V315TB  |
|         |                   | 83.82              | B-1         | 1610               | 85.09             | 3.35  | 12.70 | 41.28 | 38.10 | 23.02 | 25.40 | 27.78 | 0.82               | PHP 3-3V335TB  |
|         |                   | 91.44              | B-1         | 1610               | 92.71             | 3.65  | 12.70 | 41.28 | 38.10 | 23.02 | 25.40 | –     | 0.91               | PHP 3-3V365TB  |
|         |                   | 103.38             | B-1         | 1610               | 104.65            | 4.12  | 12.70 | 41.28 | 38.10 | 12.70 | 25.40 | –     | 1.18               | PHP 3-3V412TB  |
|         |                   | 113.03             | B-1         | 1610               | 114.30            | 4.50  | 12.70 | 41.28 | 38.10 | 12.70 | 25.40 | –     | 1.45               | PHP 3-3V450TB  |
|         |                   | 119.38             | B-1         | 1610               | 120.65            | 4.75  | 12.70 | 41.28 | 38.10 | 12.70 | 25.40 | –     | 1.68               | PHP 3-3V475TB  |
|         |                   | 125.73             | B-1         | 1610               | 127.00            | 5.00  | 12.70 | 41.28 | 38.10 | 12.70 | 25.40 | –     | 1.91               | PHP 3-3V500TB  |
|         |                   | 133.35             | B-1         | 1610               | 134.62            | 5.30  | 12.70 | 41.28 | 38.10 | 12.70 | 25.40 | –     | 2.18               | PHP 3-3V530TB  |
|         |                   | 140.97             | B-1         | 1610               | 142.24            | 5.60  | 12.70 | 41.28 | 38.10 | 12.70 | 25.40 | –     | 2.49               | PHP 3-3V560TB  |
|         |                   | 151.13             | B-1         | 2517 <sup>1)</sup> | 152.40            | 6.00  | 19.05 | 63.50 | 38.10 | 3.97  | 44.45 | 10.32 | 3.36               | PHP 3-3V600TB  |
|         |                   | 163.83             | B-1         | 2517 <sup>1)</sup> | 165.10            | 6.50  | 19.05 | 63.50 | 38.10 | 3.97  | 44.45 | 10.32 | 4.13               | PHP 3-3V650TB  |
|         |                   | 173.99             | B-1         | 2517 <sup>1)</sup> | 175.26            | 6.90  | 19.05 | 63.50 | 38.10 | 3.97  | 44.45 | 10.32 | 4.54               | PHP 3-3V690TB  |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

Narrow wedge belt pulleys  
3V taper bushed



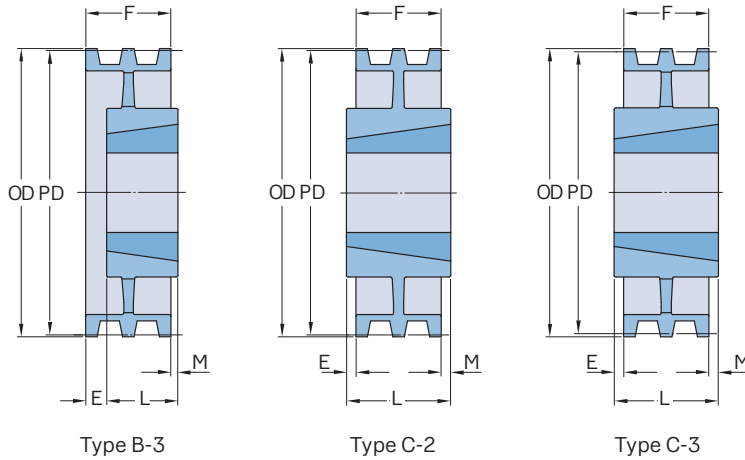
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number     | Dimensions        |       | B     |       | F     | E     | L     | M     | Mass <sup>2)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|--------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|--------------------|----------------|
|         |                   | mm                 |             |                    | Outer diameter OD | in.   | Min.  | Max.  |       |       |       |       | kg                 |                |
| 3V      | 3                 | 201.93             | C-2         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50 | 38.10 | 3.97  | 44.45 | 10.32 | 6.80               | PHP 3-3V800TB  |
|         |                   | 267.97             | C-2         | 2517 <sup>1)</sup> | 269.24            | 10.60 | 19.05 | 63.50 | 38.10 | —     | 44.45 | 6.35  | 8.16               | PHP 3-3V1060TB |
|         |                   | 354.33             | C-3         | 2517 <sup>1)</sup> | 355.60            | 14.00 | 19.05 | 63.50 | 38.10 | —     | 44.45 | 6.35  | 11.34              | PHP 3-3V1400TB |
|         |                   | 481.33             | C-3         | 3020               | 482.60            | 19.00 | 31.75 | 76.20 | 38.10 | —     | 50.80 | 12.70 | 15.42              | PHP 3-3V1900TB |
|         |                   | 633.73             | C-3         | 3020               | 635.00            | 25.00 | 31.75 | 76.20 | 38.10 | —     | 50.80 | 12.70 | 22.23              | PHP 3-3V2500TB |
|         | 4                 | 849.63             | C-3         | 3020               | 850.90            | 33.50 | 31.75 | 76.20 | 38.10 | 6.35  | 50.80 | 6.35  | 30.39              | PHP 3-3V3350TB |
|         |                   | 69.85              | B-1         | 1108               | 71.12             | 2.80  | 9.53  | 28.58 | 48.42 | 33.34 | 22.23 | 27.78 | 0.59               | PHP 4-3V280TB  |
|         |                   | 74.93              | B-1         | 1210               | 76.20             | 3.00  | 15.88 | 31.75 | 48.42 | 23.02 | 25.40 | —     | 0.95               | PHP 4-3V300TB  |
|         |                   | 78.74              | B-1         | 1210               | 80.01             | 3.15  | 15.88 | 31.75 | 48.42 | 33.34 | 25.40 | 27.78 | 0.86               | PHP 4-3V315TB  |
|         |                   | 83.82              | B-1         | 1610               | 85.09             | 3.35  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 1.00               | PHP 4-3V335TB  |
| 3V      | 4                 | 91.44              | B-1         | 1610               | 92.71             | 3.65  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 0.91               | PHP 4-3V365TB  |
|         |                   | 103.38             | B-1         | 1610               | 104.65            | 4.12  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 1.36               | PHP 4-3V412TB  |
|         |                   | 113.03             | B-1         | 1610               | 114.30            | 4.50  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 1.68               | PHP 4-3V450TB  |
|         |                   | 119.38             | B-1         | 1610               | 120.65            | 4.75  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 1.91               | PHP 4-3V475TB  |
|         |                   | 125.73             | B-1         | 1610               | 127.00            | 5.00  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 2.18               | PHP 4-3V500TB  |
|         | 5                 | 133.35             | B-1         | 1610               | 134.62            | 5.30  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 2.49               | PHP 4-3V530TB  |
|         |                   | 140.97             | B-1         | 1610               | 142.24            | 5.60  | 12.70 | 41.28 | 48.42 | 23.02 | 25.40 | —     | 2.81               | PHP 4-3V560TB  |
|         |                   | 151.13             | B-1         | 2517 <sup>1)</sup> | 152.40            | 6.00  | 19.05 | 63.50 | 48.42 | 3.97  | 44.45 | —     | 3.63               | PHP 4-3V600TB  |
|         |                   | 163.83             | B-1         | 2517 <sup>1)</sup> | 165.10            | 6.50  | 19.05 | 63.50 | 48.42 | 3.97  | 44.45 | —     | 4.54               | PHP 4-3V650TB  |
|         |                   | 173.99             | B-1         | 2517 <sup>1)</sup> | 175.26            | 6.90  | 19.05 | 63.50 | 48.42 | 3.97  | 44.45 | —     | 5.44               | PHP 4-3V690TB  |
| 3V      | 5                 | 201.93             | B-1         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50 | 48.42 | 3.97  | 44.45 | —     | 8.16               | PHP 4-3V800TB  |
|         |                   | 267.97             | A-2         | 2517 <sup>1)</sup> | 269.24            | 10.60 | 19.05 | 63.50 | 48.42 | 3.97  | 44.45 | —     | 9.07               | PHP 4-3V1060TB |
|         |                   | 354.33             | C-3         | 2517 <sup>1)</sup> | 355.60            | 14.00 | 19.05 | 63.50 | 48.42 | —     | 44.45 | 3.97  | 13.15              | PHP 4-3V1400TB |
|         |                   | 481.33             | C-3         | 3020               | 482.60            | 19.00 | 31.75 | 76.20 | 48.42 | —     | 76.20 | 27.78 | 20.41              | PHP 4-3V1900TB |
|         |                   | 633.73             | C-3         | 3020               | 635.00            | 25.00 | 31.75 | 76.20 | 48.42 | —     | 76.20 | 27.78 | 28.58              | PHP 4-3V2500TB |
|         | 6                 | 849.63             | C-3         | 3020               | 850.90            | 33.50 | 31.75 | 76.20 | 48.42 | 13.89 | 76.20 | 13.89 | 36.74              | PHP 4-3V3350TB |
|         |                   | 119.38             | B-1         | 2517 <sup>1)</sup> | 120.65            | 4.75  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 1.72               | PHP 5-3V475TB  |
|         |                   | 125.73             | B-1         | 2517 <sup>1)</sup> | 127.00            | 5.00  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 2.18               | PHP 5-3V500TB  |
|         |                   | 133.35             | B-1         | 2517 <sup>1)</sup> | 134.62            | 5.30  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 2.68               | PHP 5-3V530TB  |
|         |                   | 140.97             | B-1         | 2517 <sup>1)</sup> | 142.24            | 5.60  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 3.18               | PHP 5-3V560TB  |
| 3V      | 6                 | 151.13             | B-1         | 2517 <sup>1)</sup> | 152.40            | 6.00  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 3.95               | PHP 5-3V600TB  |
|         |                   | 163.83             | B-1         | 2517 <sup>1)</sup> | 165.10            | 6.50  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 4.99               | PHP 5-3V650TB  |
|         |                   | 173.99             | B-1         | 2517 <sup>1)</sup> | 175.26            | 6.90  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 5.90               | PHP 5-3V690TB  |
|         |                   | 201.93             | B-1         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 8.62               | PHP 5-3V800TB  |
|         |                   | 267.97             | B-2         | 2517 <sup>1)</sup> | 269.24            | 10.60 | 19.05 | 63.50 | 74.61 | 14.29 | 44.45 | —     | 11.79              | PHP 5-3V1060TB |
|         | 7                 | 354.33             | C-3         | 2517 <sup>1)</sup> | 355.60            | 14.00 | 19.05 | 63.50 | 74.61 | —     | 44.45 | 14.29 | 15.42              | PHP 5-3V1400TB |
|         |                   | 481.33             | C-3         | 3030               | 482.60            | 19.00 | 31.75 | 76.20 | 74.61 | —     | 76.20 | 17.46 | 21.32              | PHP 5-3V1900TB |
|         |                   | 633.73             | C-3         | 3030               | 635.00            | 25.00 | 31.75 | 76.20 | 74.61 | —     | 76.20 | 17.46 | 29.94              | PHP 5-3V2500TB |
|         |                   | 849.63             | C-3         | 3030               | 850.90            | 33.50 | 31.75 | 76.20 | 74.61 | 8.73  | 76.20 | 17.46 | 39.01              | PHP 5-3V3350TB |
|         |                   | 119.38             | B-1         | 2517 <sup>1)</sup> | 120.65            | 4.75  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 2.00               | PHP 6-3V475TB  |
| 3V      | 7                 | 125.73             | B-1         | 2517 <sup>1)</sup> | 127.00            | 5.00  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 2.45               | PHP 6-3V500TB  |
|         |                   | 133.35             | B-1         | 2517 <sup>1)</sup> | 134.62            | 5.30  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 2.95               | PHP 6-3V530TB  |
|         |                   | 140.97             | B-1         | 2517 <sup>1)</sup> | 142.24            | 5.60  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 3.49               | PHP 6-3V560TB  |
|         |                   | 151.13             | B-1         | 2517 <sup>1)</sup> | 152.40            | 6.00  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 4.31               | PHP 6-3V600TB  |
|         |                   | 163.83             | B-1         | 2517 <sup>1)</sup> | 165.10            | 6.50  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 5.44               | PHP 6-3V650TB  |
|         | 8                 | 173.99             | B-1         | 2517 <sup>1)</sup> | 175.26            | 6.90  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 5.90               | PHP 6-3V690TB  |
|         |                   | 201.93             | B-1         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 9.07               | PHP 6-3V800TB  |
|         |                   | 267.97             | B-2         | 2517 <sup>1)</sup> | 269.24            | 10.60 | 19.05 | 63.50 | 69.06 | 24.61 | 44.45 | —     | 13.15              | PHP 6-3V1060TB |
|         |                   | 354.33             | B-3         | 2517 <sup>1)</sup> | 355.60            | 14.00 | 19.05 | 63.50 | 69.06 | 5.56  | 44.45 | 19.05 | 18.60              | PHP 6-3V1400TB |
|         |                   | 481.33             | C-3         | 3020               | 482.60            | 19.00 | 31.75 | 76.20 | 69.06 | —     | 76.20 | 7.14  | 23.13              | PHP 6-3V1900TB |
| 3V      | 8                 | 633.73             | C-3         | 3030               | 635.00            | 25.00 | 31.75 | 76.20 | 69.06 | —     | 76.20 | 7.14  | 32.66              | PHP 6-3V2500TB |
|         |                   | 849.63             | C-3         | 3030               | 850.90            | 33.50 | 31.75 | 76.20 | 69.06 | 3.57  | 76.20 | 3.57  | 41.73              | PHP 6-3V3350TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

## Narrow wedge belt pulleys

3V taper bushed | 5V taper bushed

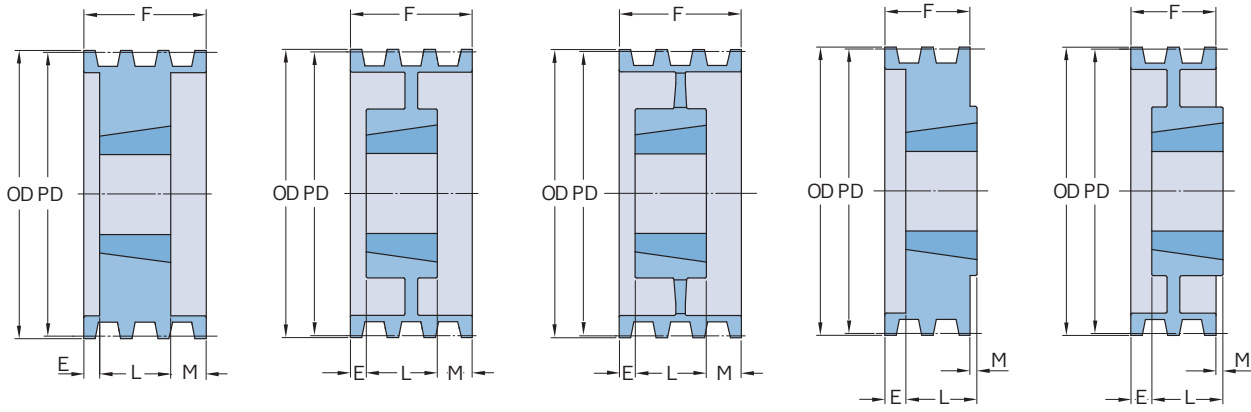


| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number     | Dimensions        |       | B     |        | F      | E     | L      | M     | Mass <sup>2)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|--------------------|-------------------|-------|-------|--------|--------|-------|--------|-------|--------------------|-----------------|
|         |                   | mm                 |             |                    | Outer diameter OD | in.   | Min.  | Max.   |        |       |        |       | kg                 |                 |
| 3V      | 8                 | 119.38             | B-1         | 2517 <sup>1)</sup> | 120.65            | 4.75  | 19.05 | 63.50  | 89.69  | 45.24 | 44.45  | –     | 2.63               | PHP 8-3V475TB   |
|         |                   | 125.73             | B-1         | 2517 <sup>1)</sup> | 127.00            | 5.00  | 19.05 | 63.50  | 89.69  | 45.24 | 44.45  | –     | 2.90               | PHP 8-3V500TB   |
|         |                   | 133.35             | A-1         | 2517 <sup>1)</sup> | 134.62            | 5.30  | 19.05 | 63.50  | 89.69  | 26.19 | 44.45  | 19.05 | 3.54               | PHP 8-3V530TB   |
|         |                   | 140.97             | A-1         | 2517 <sup>1)</sup> | 142.24            | 5.60  | 19.05 | 63.50  | 89.69  | 6.35  | 44.45  | 38.89 | 4.17               | PHP 8-3V560TB   |
|         |                   | 151.13             | A-1         | 2517 <sup>1)</sup> | 152.40            | 6.00  | 19.05 | 63.50  | 89.69  | 6.35  | 44.45  | 38.89 | 4.99               | PHP 8-3V600TB   |
|         |                   | 163.83             | A-1         | 2517 <sup>1)</sup> | 165.10            | 6.50  | 19.05 | 63.50  | 89.69  | 6.35  | 44.45  | 38.89 | 6.35               | PHP 8-3V650TB   |
|         |                   | 173.99             | A-1         | 2517 <sup>1)</sup> | 175.26            | 6.90  | 19.05 | 63.50  | 89.69  | 6.35  | 44.45  | 38.89 | 7.26               | PHP 8-3V690TB   |
|         |                   | 201.93             | A-1         | 3020               | 203.20            | 8.00  | 31.75 | 76.20  | 89.69  | 12.70 | 50.80  | 26.19 | 9.98               | PHP 8-3V800TB   |
|         |                   | 267.97             | A-2         | 3020               | 269.24            | 10.60 | 31.75 | 76.20  | 89.69  | 12.70 | 50.80  | 26.19 | 12.70              | PHP 8-3V1060TB  |
|         |                   | 354.33             | A-3         | 3020               | 355.60            | 14.00 | 31.75 | 76.20  | 89.69  | –     | 76.20  | 13.49 | 23.59              | PHP 8-3V1400TB  |
|         | 10                | 481.33             | A-3         | 3535 <sup>1)</sup> | 482.60            | 19.00 | 50.80 | 100.01 | 89.69  | –     | 88.90  | 0.79  | 30.39              | PHP 8-3V1900TB  |
|         |                   | 633.73             | A-3         | 3535 <sup>1)</sup> | 635.00            | 25.00 | 50.80 | 100.01 | 89.69  | –     | 88.90  | 0.79  | 42.18              | PHP 8-3V2500TB  |
|         |                   | 849.63             | C-3         | 4040               | 850.90            | 33.50 | 44.45 | 112.71 | 89.69  | 23.81 | 101.60 | 23.81 | 71.21              | PHP 8-3V3350TB  |
|         |                   | 119.38             | B-1         | 2517 <sup>1)</sup> | 120.65            | 4.75  | 19.05 | 63.50  | 110.33 | 65.88 | 44.45  | –     | 3.18               | PHP 10-3V475TB  |
|         |                   | 125.73             | B-1         | 2517 <sup>1)</sup> | 127.00            | 5.00  | 19.05 | 63.50  | 110.33 | 65.88 | 44.45  | 19.05 | 3.63               | PHP 10-3V500TB  |
|         |                   | 133.35             | A-1         | 2517 <sup>1)</sup> | 134.62            | 5.30  | 19.05 | 63.50  | 110.33 | 65.88 | 44.45  | –     | 4.08               | PHP 10-3V530TB  |
|         |                   | 140.97             | A-1         | 2517 <sup>1)</sup> | 142.24            | 5.60  | 19.05 | 63.50  | 110.33 | 12.70 | 44.45  | 53.18 | 4.99               | PHP 10-3V560TB  |
|         |                   | 151.13             | A-1         | 2517 <sup>1)</sup> | 152.40            | 6.00  | 19.05 | 63.50  | 110.33 | 12.70 | 44.45  | 53.18 | 5.90               | PHP 10-3V600TB  |
|         |                   | 163.83             | A-1         | 2517 <sup>1)</sup> | 165.10            | 6.50  | 19.05 | 63.50  | 110.33 | 12.70 | 44.45  | 53.18 | 6.80               | PHP 10-3V650TB  |
|         |                   | 173.99             | A-1         | 2517 <sup>1)</sup> | 175.26            | 6.90  | 19.05 | 63.50  | 110.33 | 12.70 | 44.45  | 53.18 | 8.16               | PHP 10-3V690TB  |
| 5V      | 2                 | 201.93             | A-1         | 3020               | 203.20            | 8.00  | 31.75 | 76.20  | 110.33 | 6.35  | 50.80  | 53.18 | 10.43              | PHP 10-3V800TB  |
|         |                   | 267.97             | A-2         | 3020               | 269.24            | 10.60 | 31.75 | 76.20  | 110.33 | 21.43 | 50.80  | 38.10 | 14.06              | PHP 10-3V1060TB |
|         |                   | 354.33             | A-2         | 3535 <sup>1)</sup> | 355.60            | 14.00 | 50.80 | 88.90  | 110.33 | –     | 88.90  | 21.43 | 22.68              | PHP 10-3V1400TB |
|         |                   | 481.33             | A-3         | 3535 <sup>1)</sup> | 482.60            | 19.00 | 50.80 | 88.90  | 110.33 | –     | 88.90  | 21.43 | 34.02              | PHP 10-3V1900TB |
|         |                   | 633.73             | A-3         | 4040               | 635.00            | 25.00 | 44.45 | 112.71 | 110.33 | –     | 101.60 | 8.73  | 55.34              | PHP 10-3V2500TB |
|         |                   | 849.63             | A-3         | 4040               | 850.90            | 33.50 | 44.45 | 112.71 | 110.33 | 4.37  | 101.60 | 4.37  | 78.02              | PHP 10-3V3350TB |
|         |                   | 177.80             | B-1         | 2517 <sup>1)</sup> | 180.34            | 7.10  | 19.05 | 63.50  | 42.86  | 1.59  | 44.45  | –     | 4.54               | PHP 2-5V710TB   |
|         |                   | 187.96             | B-1         | 2517 <sup>1)</sup> | 190.50            | 7.50  | 19.05 | 63.50  | 42.86  | 1.59  | 44.45  | –     | 5.44               | PHP 2-5V750TB   |
|         |                   | 200.66             | B-1         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50  | 42.86  | 1.59  | 44.45  | –     | 6.35               | PHP 2-5V800TB   |
|         |                   | 213.36             | B-2         | 2517 <sup>1)</sup> | 215.90            | 8.50  | 19.05 | 63.50  | 42.86  | 1.59  | 44.45  | –     | 5.90               | PHP 2-5V850TB   |
|         | 3                 | 226.06             | B-2         | 2517 <sup>1)</sup> | 228.60            | 9.00  | 19.05 | 63.50  | 42.86  | 1.59  | 44.45  | –     | 7.26               | PHP 2-5V900TB   |
|         |                   | 232.41             | C-2         | 3020               | 234.95            | 9.25  | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 7.71               | PHP 2-5V925TB   |
|         |                   | 245.11             | C-2         | 3020               | 247.65            | 9.75  | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 8.62               | PHP 2-5V975TB   |
|         |                   | 259.08             | C-2         | 3020               | 261.62            | 10.30 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 9.98               | PHP 2-5V1030TB  |
|         |                   | 274.32             | C-2         | 3020               | 276.86            | 10.90 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 10.89              | PHP 2-5V1090TB  |
|         |                   | 297.18             | C-2         | 3020               | 299.72            | 11.80 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 11.79              | PHP 2-5V1180TB  |
|         |                   | 314.96             | C-2         | 3020               | 317.50            | 12.50 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 12.70              | PHP 2-5V1250TB  |
|         |                   | 332.74             | C-3         | 3020               | 335.28            | 13.20 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 9.53               | PHP 2-5V1320TB  |
|         |                   | 353.06             | C-3         | 3020               | 355.60            | 14.00 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 10.43              | PHP 2-5V1400TB  |
|         |                   | 378.46             | C-3         | 3020               | 381.00            | 15.00 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 11.79              | PHP 2-5V1500TB  |
| 5V      | 3                 | 403.86             | C-3         | 3020               | 406.40            | 16.00 | 31.75 | 76.20  | 42.86  | –     | 50.80  | 7.94  | 12.70              | PHP 2-5V1600TB  |
|         |                   | 535.94             | C-3         | 3535 <sup>1)</sup> | 538.48            | 21.20 | 50.80 | 100.01 | 42.86  | 9.53  | 88.90  | 36.51 | 23.13              | PHP 2-5V2120TB  |
|         |                   | 708.66             | C-3         | 3535 <sup>1)</sup> | 711.20            | 28.00 | 50.80 | 100.01 | 42.86  | 9.53  | 88.90  | 36.51 | 31.30              | PHP 2-5V2800TB  |
|         |                   | 177.80             | B-1         | 2517 <sup>1)</sup> | 180.34            | 7.10  | 19.05 | 63.50  | 60.33  | 15.88 | 44.45  | –     | 5.90               | PHP 3-5V710TB   |
|         |                   | 187.96             | B-1         | 2517 <sup>1)</sup> | 190.50            | 7.50  | 19.05 | 63.50  | 60.33  | 15.88 | 44.45  | –     | 6.80               | PHP 3-5V750TB   |
|         |                   | 200.66             | B-1         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50  | 60.33  | 15.88 | 44.45  | –     | 8.16               | PHP 3-5V800TB   |
|         |                   | 213.36             | B-2         | 2517 <sup>1)</sup> | 215.90            | 8.50  | 19.05 | 63.50  | 60.33  | 15.88 | 44.45  | –     | 9.07               | PHP 3-5V850TB   |
|         |                   | 226.06             | B-2         | 2517 <sup>1)</sup> | 228.60            | 9.00  | 19.05 | 63.50  | 60.33  | 15.88 | 44.45  | –     | 9.07               | PHP 3-5V900TB   |
|         |                   | 232.41             | A-2         | 3020               | 234.95            | 9.25  | 31.75 | 76.20  | 60.33  | –     | 50.80  | 9.53  | 9.53               | PHP 3-5V925TB   |
|         |                   | 245.11             | A-2         | 3020               | 247.65            | 9.75  | 31.75 | 76.20  | 60.33  | –     | 50.80  | 9.53  | 10.89              | PHP 3-5V975TB   |
|         | 5                 | 259.08             | A-2         | 3020               | 261.62            | 10.30 | 31.75 | 76.20  | 60.33  | –     | 50.80  | 9.53  | 11.34              | PHP 3-5V1030TB  |
|         |                   | 274.32             | A-2         | 3020               | 276.86            | 10.90 | 31.75 | 76.20  | 60.33  | –     | 50.80  | 9.53  | 12.25              | PHP 3-5V1090TB  |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHP TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

Narrow wedge belt pulleys  
5V taper bushed



Type A-1

Type A-2

Type A-3

Type B-1

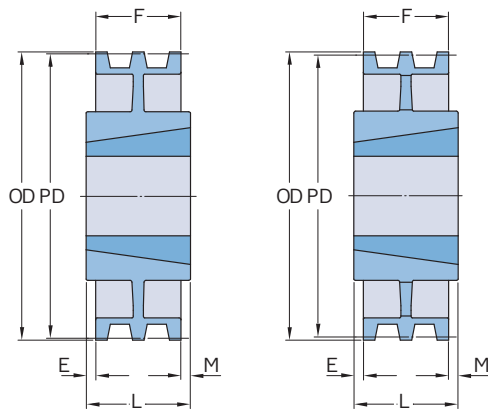
Type B-2

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number     | Dimensions        |       | B     |        | F      | E     | L      | M     | Mass <sup>2)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|--------------------|-------------------|-------|-------|--------|--------|-------|--------|-------|--------------------|----------------|
|         |                   | mm                 |             |                    | Outer diameter OD | in.   | Min.  | Max.   |        |       |        |       | kg                 |                |
| 5V      | 3                 | 297.18             | A-2         | 3020               | 299.72            | 11.80 | 31.75 | 76.20  | 60.33  | —     | 50.80  | 9.53  | 13.15              | PHP 3-5V1180TB |
|         |                   | 314.96             | A-3         | 3020               | 317.50            | 12.50 | 31.75 | 76.20  | 60.33  | —     | 50.80  | 9.53  | 14.51              | PHP 3-5V1250TB |
|         |                   | 332.74             | A-3         | 3020               | 335.28            | 13.20 | 31.75 | 76.20  | 60.33  | —     | 50.80  | 9.53  | 15.42              | PHP 3-5V1320TB |
|         |                   | 353.06             | A-3         | 3020               | 355.60            | 14.00 | 31.75 | 76.20  | 60.33  | —     | 50.80  | 9.53  | 16.33              | PHP 3-5V1400TB |
|         |                   | 378.46             | A-3         | 3020               | 381.00            | 15.00 | 31.75 | 76.20  | 60.33  | —     | 50.80  | 9.53  | 16.78              | PHP 3-5V1500TB |
|         |                   | 403.86             | A-3         | 3020               | 406.40            | 16.00 | 31.75 | 76.20  | 60.33  | —     | 50.80  | 9.53  | 17.24              | PHP 3-5V1600TB |
|         |                   | 535.94             | C-3         | 3535 <sup>1)</sup> | 538.48            | 21.20 | 50.80 | 100.01 | 60.33  | —     | 88.90  | 28.58 | 29.48              | PHP 3-5V2120TB |
|         |                   | 708.66             | C-3         | 3535 <sup>1)</sup> | 711.20            | 28.00 | 50.80 | 100.01 | 60.33  | —     | 88.90  | 28.58 | 42.18              | PHP 3-5V2800TB |
|         |                   | 949.96             | C-3         | 4040               | 952.50            | 37.50 | 44.45 | 112.71 | 60.33  | 12.70 | 101.60 | 28.58 | 64.41              | PHP 3-5V3750TB |
|         |                   | 1267.46            | C-3         | 4040               | 1270.00           | 50.00 | 44.45 | 112.71 | 60.33  | 12.70 | 101.60 | 28.58 | 91.63              | PHP 3-5V5000TB |
|         | 4                 | 177.80             | B-1         | 2517 <sup>1)</sup> | 180.34            | 7.10  | 19.05 | 63.50  | 77.79  | 33.34 | 44.45  | —     | 6.80               | PHP 4-5V710TB  |
|         |                   | 187.96             | B-1         | 2517 <sup>1)</sup> | 190.50            | 7.50  | 19.05 | 63.50  | 77.79  | 33.34 | 44.45  | —     | 8.16               | PHP 4-5V750TB  |
|         |                   | 200.66             | B-1         | 2517 <sup>1)</sup> | 203.20            | 8.00  | 19.05 | 63.50  | 77.79  | 33.34 | 44.45  | —     | 9.53               | PHP 4-5V800TB  |
|         |                   | 213.36             | B-2         | 2517 <sup>1)</sup> | 215.90            | 8.50  | 19.05 | 63.50  | 77.79  | 33.34 | 44.45  | —     | 9.07               | PHP 4-5V850TB  |
|         |                   | 226.06             | B-2         | 2517 <sup>1)</sup> | 228.60            | 9.00  | 19.05 | 63.50  | 77.79  | 33.34 | 44.45  | —     | 9.98               | PHP 4-5V900TB  |
|         |                   | 232.41             | A-1         | 3020               | 234.95            | 9.25  | 31.75 | 76.20  | 77.79  | 12.70 | 50.80  | 14.29 | 12.25              | PHP 4-5V925TB  |
|         |                   | 245.11             | A-1         | 3020               | 247.65            | 9.75  | 31.75 | 76.20  | 77.79  | 12.70 | 50.80  | 14.29 | 14.06              | PHP 4-5V975TB  |
|         |                   | 259.08             | A-2         | 3020               | 261.62            | 10.30 | 31.75 | 76.20  | 77.79  | 12.70 | 50.80  | 14.29 | 12.70              | PHP 4-5V1030TB |
|         |                   | 274.32             | A-2         | 3020               | 276.86            | 10.90 | 31.75 | 76.20  | 77.79  | 12.70 | 50.80  | 14.29 | 14.06              | PHP 4-5V1090TB |
|         |                   | 297.18             | A-2         | 3020               | 299.72            | 11.80 | 31.75 | 76.20  | 77.79  | 12.70 | 50.80  | 14.29 | 15.42              | PHP 4-5V1180TB |
|         |                   | 314.96             | A-2         | 3020               | 317.50            | 12.50 | 31.75 | 76.20  | 77.79  | —     | 76.20  | 1.59  | 18.14              | PHP 4-5V1250TB |
|         |                   | 332.74             | A-3         | 3020               | 335.28            | 13.20 | 31.75 | 76.20  | 77.79  | —     | 76.20  | 1.59  | 19.05              | PHP 4-5V1320TB |
|         |                   | 353.06             | C-2         | 3535 <sup>1)</sup> | 355.60            | 14.00 | 50.80 | 100.01 | 77.79  | —     | 88.90  | 11.11 | 21.77              | PHP 4-5V1400TB |
|         |                   | 378.46             | C-3         | 3535 <sup>1)</sup> | 381.00            | 15.00 | 50.80 | 100.01 | 77.79  | —     | 88.90  | 11.11 | 23.59              | PHP 4-5V1500TB |
|         |                   | 403.86             | C-3         | 3535 <sup>1)</sup> | 406.40            | 16.00 | 50.80 | 100.01 | 77.79  | —     | 88.90  | 11.11 | 24.04              | PHP 4-5V1600TB |
| 5V      | 5                 | 535.94             | C-3         | 3535 <sup>1)</sup> | 538.48            | 21.20 | 50.80 | 100.01 | 77.79  | —     | 88.90  | 11.11 | 32.66              | PHP 4-5V2120TB |
|         |                   | 708.66             | C-3         | 3535 <sup>1)</sup> | 711.20            | 28.00 | 50.80 | 100.01 | 77.79  | —     | 88.90  | 11.11 | 46.72              | PHP 4-5V2800TB |
|         |                   | 949.96             | C-3         | 4040               | 952.50            | 37.50 | 44.45 | 112.71 | 77.79  | —     | 101.60 | 23.81 | 78.02              | PHP 4-5V3750TB |
|         |                   | 1267.46            | C-3         | 4040               | 1270.00           | 50.00 | 44.45 | 112.71 | 77.79  | —     | 101.60 | 23.81 | 100.70             | PHP 4-5V5000TB |
|         |                   | 177.80             | A-1         | 3020               | 180.34            | 7.10  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 7.26               | PHP 5-5V710TB  |
|         |                   | 187.96             | A-1         | 3020               | 190.50            | 7.50  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 8.16               | PHP 5-5V750TB  |
|         |                   | 200.66             | A-1         | 3020               | 203.20            | 8.00  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 9.98               | PHP 5-5V800TB  |
|         |                   | 213.36             | A-1         | 3020               | 215.90            | 8.50  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 11.79              | PHP 5-5V850TB  |
|         |                   | 226.06             | A-1         | 3020               | 228.60            | 9.00  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 13.15              | PHP 5-5V900TB  |
|         |                   | 232.41             | A-1         | 3020               | 234.95            | 9.25  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 13.61              | PHP 5-5V925TB  |
|         |                   | 245.11             | A-1         | 3020               | 247.65            | 9.75  | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 15.42              | PHP 5-5V975TB  |
|         |                   | 259.08             | A-2         | 3020               | 261.62            | 10.30 | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 14.51              | PHP 5-5V1030TB |
|         |                   | 274.32             | A-2         | 3020               | 276.86            | 10.90 | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 15.42              | PHP 5-5V1090TB |
|         |                   | 297.18             | A-2         | 3020               | 299.72            | 11.80 | 31.75 | 76.20  | 95.25  | 12.70 | 50.80  | 31.75 | 17.69              | PHP 5-5V1180TB |
|         |                   | 314.96             | A-2         | 3535 <sup>1)</sup> | 317.50            | 12.50 | 50.80 | 100.01 | 95.25  | —     | 88.90  | 6.35  | 24.49              | PHP 5-5V1250TB |
|         |                   | 332.74             | A-2         | 3535 <sup>1)</sup> | 335.28            | 13.20 | 50.80 | 100.01 | 95.25  | —     | 88.90  | 6.35  | 25.85              | PHP 5-5V1320TB |
| 5V      | 6                 | 353.06             | A-2         | 3535 <sup>1)</sup> | 355.60            | 14.00 | 50.80 | 100.01 | 95.25  | —     | 88.90  | 6.35  | 24.49              | PHP 5-5V1400TB |
|         |                   | 378.46             | A-3         | 3535 <sup>1)</sup> | 381.00            | 15.00 | 50.80 | 100.01 | 95.25  | —     | 88.90  | 6.35  | 25.40              | PHP 5-5V1500TB |
|         |                   | 403.86             | A-3         | 3535 <sup>1)</sup> | 406.40            | 16.00 | 50.80 | 100.01 | 95.25  | —     | 88.90  | 6.35  | 26.31              | PHP 5-5V1600TB |
|         |                   | 535.94             | C-3         | 4040               | 538.48            | 21.20 | 44.45 | 112.71 | 95.25  | —     | 101.60 | 6.35  | 41.73              | PHP 5-5V2120TB |
|         |                   | 708.66             | C-3         | 4040               | 711.20            | 28.00 | 44.45 | 112.71 | 95.25  | —     | 101.60 | 6.35  | 53.07              | PHP 5-5V2800TB |
|         |                   | 949.96             | C-3         | 4040               | 952.50            | 37.50 | 44.45 | 112.71 | 95.25  | —     | 101.60 | 6.35  | 82.55              | PHP 5-5V3750TB |
|         |                   | 1267.46            | C-3         | 4545               | 1270.00           | 50.00 | 57.15 | 125.41 | 95.25  | —     | 114.30 | 19.05 | 125.19             | PHP 5-5V5000TB |
|         |                   | 177.80             | A-1         | 3020               | 180.34            | 7.10  | 31.75 | 76.20  | 112.71 | 19.05 | 50.80  | 42.86 | 8.16               | PHP 6-5V710TB  |
|         |                   | 187.96             | A-1         | 3020               | 190.50            | 7.50  | 31.75 | 76.20  | 112.71 | 19.05 | 50.80  | 42.86 | 9.07               | PHP 6-5V750TB  |
|         |                   | 200.66             | A-1         | 3020               | 203.20            | 8.00  | 31.75 | 76.20  | 112.71 | 19.05 | 50.80  | 42.86 | 10.89              | PHP 6-5V800TB  |
|         |                   | 213.36             | A-1         | 3020               | 215.90            | 8.50  | 31.75 | 76.20  | 112.71 | 19.05 | 50.80  | 42.86 | 12.70              | PHP 6-5V850TB  |
|         |                   | 226.06             | A-1         | 3020               | 228.60            | 9.00  | 31.75 | 76.20  | 112.71 | 19.05 | 50.80  | 42.86 | 13.61              | PHP 6-5V900TB  |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

# Narrow wedge belt pulleys 5V taper bushed



Type C-2

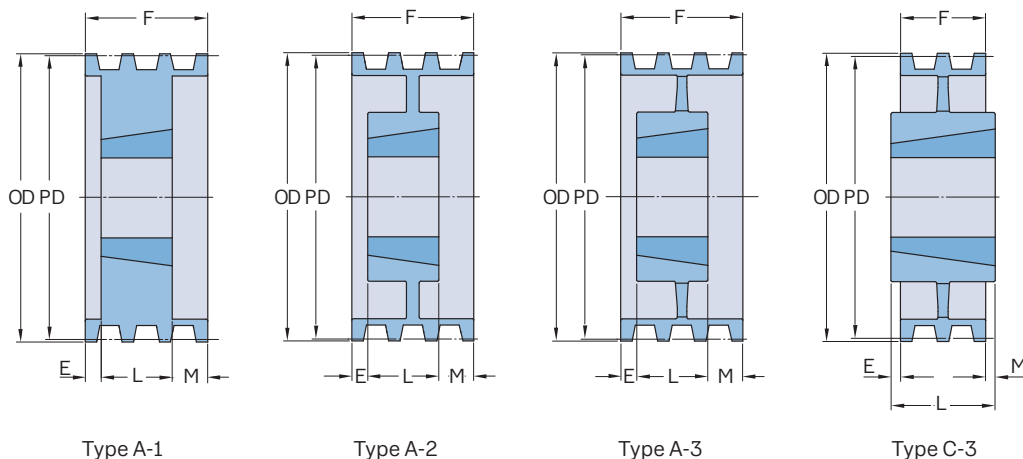
Type C-3

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number     | Dimensions        |       | B     |        | F      | E     | L      | M     | Mass <sup>2)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|--------------------|-------------------|-------|-------|--------|--------|-------|--------|-------|--------------------|-----------------|
|         |                   | mm                 |             |                    | Outer diameter OD | in.   | Min.  | Max.   |        |       |        |       | kg                 |                 |
| 5V      | 6                 | 232.41             | A-1         | 3535 <sup>1)</sup> | 234.95            | 9.25  | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 17.69              | PHP 6-5V925 TB  |
|         |                   | 245.11             | A-1         | 3535 <sup>1)</sup> | 247.65            | 9.75  | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 20.87              | PHP 6-5V975 TB  |
|         |                   | 259.08             | A-1         | 3535 <sup>1)</sup> | 261.62            | 10.30 | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 24.49              | PHP 6-5V1030 TB |
|         |                   | 274.32             | A-1         | 3535 <sup>1)</sup> | 276.86            | 10.90 | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 28.12              | PHP 6-5V1090 TB |
|         |                   | 297.18             | A-2         | 3535 <sup>1)</sup> | 299.72            | 11.80 | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 24.95              | PHP 6-5V1180 TB |
|         |                   | 314.96             | A-2         | 3535 <sup>1)</sup> | 317.50            | 12.50 | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 26.31              | PHP 6-5V1250 TB |
|         |                   | 332.74             | A-2         | 3535 <sup>1)</sup> | 335.28            | 13.20 | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 27.22              | PHP 6-5V1320 TB |
|         |                   | 353.06             | A-2         | 3535 <sup>1)</sup> | 355.60            | 14.00 | 50.80 | 100.01 | 112.71 | —     | 88.90  | 23.81 | 26.76              | PHP 6-5V1400 TB |
|         |                   | 378.46             | A-2         | 4040               | 381.00            | 15.00 | 44.45 | 112.71 | 112.71 | —     | 101.60 | 11.11 | 37.19              | PHP 6-5V1500 TB |
|         |                   | 403.86             | A-2         | 4040               | 406.40            | 16.00 | 44.45 | 112.71 | 112.71 | —     | 101.60 | 11.11 | 39.46              | PHP 6-5V1600 TB |
|         | 8                 | 535.94             | A-3         | 4040               | 538.48            | 21.20 | 44.45 | 112.71 | 112.71 | —     | 101.60 | 11.11 | 46.27              | PHP 6-5V2120 TB |
|         |                   | 708.66             | A-3         | 4040               | 711.20            | 28.00 | 44.45 | 112.71 | 112.71 | —     | 101.60 | 11.11 | 62.14              | PHP 6-5V2800 TB |
|         |                   | 949.96             | C-3         | 4545               | 952.50            | 37.50 | 57.15 | 125.41 | 112.71 | —     | 114.30 | 1.59  | 100.24             | PHP 6-5V3750 TB |
|         |                   | 1267.46            | C-3         | 4545               | 1270.00           | 50.00 | 57.15 | 125.41 | 112.71 | —     | 114.30 | 1.59  | 134.26             | PHP 6-5V5000 TB |
|         |                   | 177.80             | A-1         | 3030               | 180.34            | 7.10  | 31.75 | 76.20  | 147.64 | 25.40 | 76.20  | 46.04 | 10.89              | PHP 8-5V710TB   |
|         |                   | 187.96             | A-1         | 3030               | 190.50            | 7.50  | 31.75 | 76.20  | 147.64 | 25.40 | 76.20  | 46.04 | 12.70              | PHP 8-5V750TB   |
|         |                   | 200.66             | A-1         | 3030               | 203.20            | 8.00  | 31.75 | 76.20  | 147.64 | 25.40 | 76.20  | 46.04 | 14.97              | PHP 8-5V800TB   |
|         |                   | 213.36             | A-1         | 3030               | 215.90            | 8.50  | 31.75 | 76.20  | 147.64 | 25.40 | 76.20  | 46.04 | 17.24              | PHP 8-5V850TB   |
|         |                   | 226.06             | A-1         | 3535 <sup>1)</sup> | 228.60            | 9.00  | 50.80 | 100.01 | 147.64 | 25.40 | 88.90  | 33.34 | 19.96              | PHP 8-5V900TB   |
|         |                   | 232.41             | A-1         | 3535 <sup>1)</sup> | 234.95            | 9.25  | 50.80 | 100.01 | 147.64 | 25.40 | 88.90  | 33.34 | 20.41              | PHP 8-5V925TB   |
| 5V      | 8                 | 245.11             | A-1         | 3535 <sup>1)</sup> | 247.65            | 9.75  | 50.80 | 100.01 | 147.64 | 25.40 | 88.90  | 33.34 | 23.13              | PHP 8-5V975TB   |
|         |                   | 259.08             | A-1         | 3535 <sup>1)</sup> | 261.62            | 10.30 | 50.80 | 100.01 | 147.64 | 25.40 | 88.90  | 33.34 | 27.22              | PHP 8-5V1030TB  |
|         |                   | 274.32             | A-1         | 3535 <sup>1)</sup> | 276.86            | 10.90 | 50.80 | 100.01 | 147.64 | 25.40 | 88.90  | 33.34 | 30.84              | PHP 8-5V1090TB  |
|         |                   | 297.18             | A-2         | 3535 <sup>1)</sup> | 299.72            | 11.80 | 50.80 | 100.01 | 147.64 | 25.40 | 88.90  | 33.34 | 28.58              | PHP 8-5V1180TB  |
|         |                   | 314.96             | A-2         | 4040               | 317.50            | 12.50 | 44.45 | 112.71 | 147.64 | 6.35  | 101.60 | 39.69 | 37.19              | PHP 8-5V1250TB  |
|         |                   | 332.74             | A-2         | 4040               | 335.28            | 13.20 | 44.45 | 112.71 | 147.64 | 6.35  | 101.60 | 39.69 | 37.19              | PHP 8-5V1320TB  |
|         |                   | 353.06             | A-2         | 4040               | 355.60            | 14.00 | 44.45 | 112.71 | 147.64 | 6.35  | 101.60 | 39.69 | 39.46              | PHP 8-5V1400TB  |
|         |                   | 378.46             | A-2         | 4040               | 381.00            | 15.00 | 44.45 | 112.71 | 147.64 | 6.35  | 101.60 | 39.69 | 44.00              | PHP 8-5V1500TB  |
|         |                   | 403.86             | A-2         | 4040               | 406.40            | 16.00 | 44.45 | 112.71 | 147.64 | 6.35  | 101.60 | 39.69 | 46.27              | PHP 8-5V1600TB  |
|         |                   | 535.94             | A-3         | 4040               | 538.48            | 21.20 | 44.45 | 112.71 | 147.64 | 6.35  | 101.60 | 39.69 | 55.34              | PHP 8-5V2120TB  |
|         | 10                | 708.66             | A-3         | 4545               | 711.20            | 28.00 | 57.15 | 125.41 | 147.64 | 6.35  | 114.30 | 26.99 | 79.83              | PHP 8-5V2800TB  |
|         |                   | 949.96             | A-3         | 4545               | 952.50            | 37.50 | 57.15 | 125.41 | 147.64 | 6.35  | 114.30 | 26.99 | 122.92             | PHP 8-5V3750TB  |
|         |                   | 1267.46            | A-3         | 4545               | 1270.00           | 50.00 | 57.15 | 125.41 | 147.64 | 6.35  | 114.30 | 26.99 | 161.48             | PHP 8-5V5000TB  |
|         |                   | 200.66             | A-1         | 3030               | 203.20            | 8.00  | 31.75 | 76.20  | 182.56 | 25.40 | 76.20  | 80.96 | 16.33              | PHP 10-5V800TB  |
|         |                   | 213.36             | A-1         | 3030               | 215.90            | 8.50  | 31.75 | 76.20  | 182.56 | 25.40 | 76.20  | 80.96 | 19.05              | PHP 10-5V850TB  |
|         |                   | 226.06             | A-1         | 3535 <sup>1)</sup> | 228.60            | 9.00  | 50.80 | 100.01 | 182.56 | 25.40 | 88.90  | 68.26 | 21.32              | PHP 10-5V900TB  |
|         |                   | 232.41             | A-1         | 4040               | 234.95            | 9.25  | 44.45 | 112.71 | 182.56 | 25.40 | 101.60 | 55.03 | 20.87              | PHP 10-5V925TB  |
|         |                   | 245.11             | A-1         | 4040               | 247.65            | 9.75  | 44.45 | 112.71 | 182.56 | 25.40 | 101.60 | 55.03 | 24.49              | PHP 10-5V975TB  |
|         |                   | 259.08             | A-1         | 4040               | 261.62            | 10.30 | 44.45 | 112.71 | 182.56 | 25.40 | 101.60 | 55.03 | 29.03              | PHP 10-5V1030TB |
|         |                   | 274.32             | A-1         | 4040               | 276.86            | 10.90 | 44.45 | 112.71 | 182.56 | 25.40 | 101.60 | 55.03 | 33.11              | PHP 10-5V1090TB |
| 5V      | 10                | 284.48             | A-1         | 4040               | 287.02            | 11.30 | 44.45 | 112.71 | 182.56 | 25.40 | 101.60 | 55.03 | 41.73              | PHP 10-5V1130TB |
|         |                   | 297.18             | A-1         | 4040               | 299.72            | 11.80 | 44.45 | 112.71 | 182.56 | 25.40 | 101.60 | 55.03 | 39.46              | PHP 10-5V1180TB |
|         |                   | 314.96             | A-2         | 4040               | 317.50            | 12.50 | 44.45 | 112.71 | 182.56 | 19.05 | 101.60 | 55.03 | 39.46              | PHP 10-5V1250TB |
|         |                   | 332.74             | A-2         | 4040               | 335.28            | 13.20 | 44.45 | 112.71 | 182.56 | 19.05 | 101.60 | 61.91 | 48.08              | PHP 10-5V1320TB |
|         |                   | 353.06             | A-2         | 4545               | 355.60            | 14.00 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 61.91 | 52.62              | PHP 10-5V1400TB |
|         |                   | 378.46             | A-2         | 4545               | 381.00            | 15.00 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 49.21 | 57.15              | PHP 10-5V1500TB |
|         |                   | 403.86             | A-2         | 4545               | 406.40            | 16.00 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 49.21 | 59.42              | PHP 10-5V1600TB |
|         |                   | 472.44             | A-2         | 4545               | 474.98            | 18.70 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 49.21 | 61.69              | PHP 10-5V1870TB |
|         |                   | 535.94             | A-3         | 4545               | 538.48            | 21.20 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 49.21 | 63.05              | PHP 10-5V2120TB |
|         |                   | 708.66             | A-3         | 4545               | 711.20            | 28.00 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 49.21 | 86.64              | PHP 10-5V2800TB |
|         | 12                | 949.96             | A-3         | 4545               | 952.50            | 37.50 | 57.15 | 125.41 | 182.56 | 19.05 | 114.30 | 49.21 | 143.34             | PHP 10-5V3750TB |
|         |                   | 1267.46            | A-3         | 5050               | 1270.00           | 50.00 | 69.85 | 127.00 | 182.56 | 19.05 | 127.00 | 36.51 | 194.14             | PHP 10-5V5000TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHP TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

# Narrow wedge belt pulleys 8V taper bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions     |       | B Min. | Max.   | F      | E     | L      | M     | Mass <sup>2)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|----------------|-------|--------|--------|--------|-------|--------|-------|--------------------|----------------|
|         |                   |                    |             |                | Outer diameter | OD    |        |        |        |       |        |       |                    |                |
| –       | –                 | mm                 | –           | –              | mm             | in.   | –      | –      | –      | –     | –      | –     | kg                 | –              |
| 8V      | 4                 | 312.42             | A-1         | 4040           | 317.50         | 12.50 | 44.45  | 112.71 | 123.83 | –     | 101.60 | 22.23 | 41.73              | PHP 4-8V1250TB |
|         |                   | 330.20             | A-1         | 4040           | 335.28         | 13.20 | 44.45  | 112.71 | 123.83 | –     | 101.60 | 22.23 | 48.53              | PHP 4-8V1320TB |
|         |                   | 350.52             | A-1         | 4040           | 355.60         | 14.00 | 44.45  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 57.15              | PHP 4-8V1400TB |
|         |                   | 375.92             | A-1         | 4040           | 381.00         | 15.00 | 44.45  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 52.62              | PHP 4-8V1500TB |
|         |                   | 401.32             | A-2         | 4040           | 406.40         | 16.00 | 44.45  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 57.15              | PHP 4-8V1600TB |
|         |                   | 426.72             | A-2         | 4040           | 431.80         | 17.00 | 44.45  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 61.69              | PHP 4-8V1700TB |
|         |                   | 452.12             | A-2         | 4040           | 457.20         | 18.00 | 44.45  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 66.22              | PHP 4-8V1800TB |
|         |                   | 477.52             | A-2         | 4040           | 482.60         | 19.00 | 44.45  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 73.03              | PHP 4-8V1900TB |
|         |                   | 502.92             | A-2         | 4545           | 508.00         | 20.00 | 57.15  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 77.56              | PHP 4-8V2000TB |
|         |                   | 533.40             | A-3         | 4545           | 538.48         | 21.20 | 57.15  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 66.22              | PHP 4-8V2120TB |
|         |                   | 563.88             | A-3         | 4545           | 568.96         | 22.40 | 57.15  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 73.03              | PHP 4-8V2240TB |
|         |                   | 756.92             | A-3         | 4545           | 762.00         | 30.00 | 57.15  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 113.85             | PHP 4-8V3000TB |
|         |                   | 896.62             | A-3         | 5050           | 901.70         | 35.50 | 57.15  | 125.41 | 123.83 | –     | 114.30 | 9.53  | 129.27             | PHP 4-8V3550TB |
|         |                   | 1010.92            | C-3         | 5050           | 1016.00        | 40.00 | 69.85  | 127.00 | 123.83 | –     | 127.00 | 3.18  | 143.34             | PHP 4-8V4000TB |
|         |                   | 1125.22            | C-3         | 5050           | 1130.30        | 44.50 | 69.85  | 127.00 | 123.83 | –     | 127.00 | 3.18  | 185.07             | PHP 4-8V4450TB |
|         |                   | 1341.12            | C-3         | 5050           | 1346.20        | 53.00 | 69.85  | 127.00 | 123.83 | –     | 127.00 | 3.18  | 215.91             | PHP 4-8V5300TB |
| 8V      | 5                 | 312.42             | A-1         | 4040           | 317.50         | 12.50 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 43.54              | PHP 5-8V1250TB |
|         |                   | 330.20             | A-1         | 4040           | 335.28         | 13.20 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 52.62              | PHP 5-8V1320TB |
|         |                   | 350.52             | A-1         | 4040           | 355.60         | 14.00 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 61.69              | PHP 5-8V1400TB |
|         |                   | 375.92             | A-1         | 4040           | 381.00         | 15.00 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 59.42              | PHP 5-8V1500TB |
|         |                   | 401.32             | A-1         | 4040           | 406.40         | 16.00 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 63.96              | PHP 5-8V1600TB |
|         |                   | 426.72             | A-2         | 4545           | 431.80         | 17.00 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 66.22              | PHP 5-8V1700TB |
|         |                   | 452.12             | A-2         | 4545           | 457.20         | 18.00 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 70.76              | PHP 5-8V1800TB |
|         |                   | 477.52             | A-2         | 4545           | 482.60         | 19.00 | 44.45  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 79.83              | PHP 5-8V1900TB |
|         |                   | 502.92             | A-2         | 4545           | 508.00         | 20.00 | 57.15  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 84.37              | PHP 5-8V2000TB |
|         |                   | 533.40             | A-3         | 4545           | 538.48         | 21.20 | 57.15  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 73.03              | PHP 5-8V2120TB |
|         |                   | 563.88             | A-3         | 4545           | 568.96         | 22.40 | 57.15  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 79.83              | PHP 5-8V2240TB |
|         |                   | 624.84             | A-3         | 5050           | 629.92         | 24.80 | 57.15  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 106.59             | PHP 5-8V2480TB |
|         |                   | 756.92             | A-3         | 5050           | 762.00         | 30.00 | 57.15  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 122.92             | PHP 5-8V3000TB |
|         |                   | 896.62             | A-3         | 5050           | 901.70         | 35.50 | 57.15  | 125.41 | 152.40 | –     | 114.30 | 38.10 | 147.42             | PHP 5-8V3550TB |
|         |                   | 1010.92            | A-3         | 5050           | 1016.00        | 40.00 | 69.85  | 127.00 | 152.40 | –     | 127.00 | 25.40 | 158.76             | PHP 5-8V4000TB |
|         |                   | 1125.22            | A-3         | 5050           | 1130.30        | 44.50 | 69.85  | 127.00 | 152.40 | –     | 127.00 | 25.40 | 186.43             | PHP 5-8V4450TB |
|         |                   | 1341.12            | A-3         | 5050           | 1346.20        | 53.00 | 69.85  | 127.00 | 152.40 | –     | 127.00 | 25.40 | 256.28             | PHP 5-8V5300TB |
| 8V      | 6                 | 312.42             | A-1         | 4040           | 317.50         | 12.50 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 47.63              | PHP 6-8V1250TB |
|         |                   | 330.20             | A-1         | 4040           | 335.28         | 13.20 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 56.70              | PHP 6-8V1320TB |
|         |                   | 350.52             | A-1         | 4545           | 355.60         | 14.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 65.77              | PHP 6-8V1400TB |
|         |                   | 375.92             | A-1         | 4545           | 381.00         | 15.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 77.11              | PHP 6-8V1500TB |
|         |                   | 401.32             | A-2         | 4545           | 406.40         | 16.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 65.77              | PHP 6-8V1600TB |
|         |                   | 426.72             | A-2         | 4545           | 431.80         | 17.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 68.04              | PHP 6-8V1700TB |
|         |                   | 452.12             | A-2         | 4545           | 457.20         | 18.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 72.57              | PHP 6-8V1800TB |
|         |                   | 477.52             | A-2         | 4545           | 482.60         | 19.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 83.91              | PHP 6-8V1900TB |
|         |                   | 502.92             | A-2         | 5050           | 508.00         | 20.00 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 90.72              | PHP 6-8V2000TB |
|         |                   | 533.40             | A-3         | 5050           | 538.48         | 21.20 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 77.11              | PHP 6-8V2120TB |
|         |                   | 563.88             | A-3         | 5050           | 568.96         | 22.40 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 81.65              | PHP 6-8V2240TB |
|         |                   | 624.84             | A-3         | 5050           | 629.92         | 24.80 | 57.15  | 125.41 | 155.58 | 12.70 | 114.30 | 53.98 | 107.95             | PHP 6-8V2480TB |
|         |                   | 756.92             | A-3         | 5050           | 762.00         | 30.00 | 69.85  | 127.00 | 155.58 | 12.70 | 127.00 | 41.28 | 129.27             | PHP 6-8V3000TB |
|         |                   | 896.62             | A-3         | 5050           | 901.70         | 35.50 | 69.85  | 127.00 | 155.58 | 12.70 | 127.00 | 41.28 | 152.41             | PHP 6-8V3550TB |
|         |                   | 1010.92            | A-3         | 5050           | 1016.00        | 40.00 | 69.85  | 127.00 | 155.58 | 12.70 | 127.00 | 41.28 | 170.10             | PHP 6-8V4000TB |
|         |                   | 1125.22            | A-3         | 5050           | 1130.30        | 44.50 | 69.85  | 127.00 | 155.58 | 12.70 | 127.00 | 41.28 | 197.77             | PHP 6-8V4450TB |
|         |                   | 1341.12            | A-3         | 5050           | 1346.20        | 53.00 | 69.85  | 127.00 | 155.58 | 12.70 | 127.00 | 41.28 | 269.89             | PHP 6-8V5300TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.

<sup>2)</sup> Mass does not include bushings.

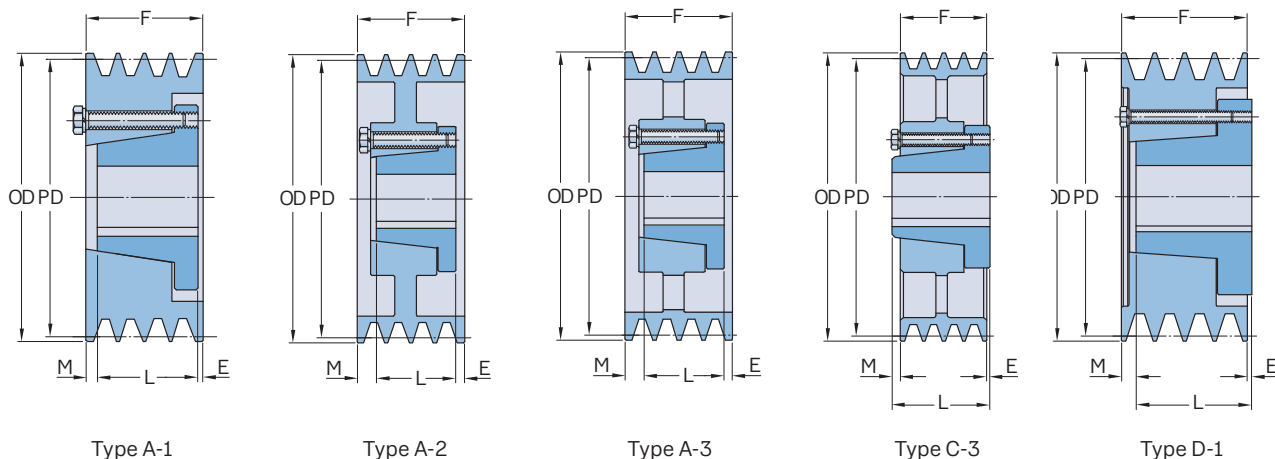
# Narrow wedge belt pulleys

## 8V taper bushed

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions<br>Outer diameter OD |       | B<br>Min. | Max.   | F      | E     | L      | M      | Mass <sup>2)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|---------------------------------|-------|-----------|--------|--------|-------|--------|--------|--------------------|-----------------|
| –       | –                 | mm                 | –           | –              | mm                              | in.   |           |        |        |       |        |        | kg                 | –               |
| 8V      | 8                 | 312.42             | A-1         | 4545           | 317.50                          | 12.50 | 57.15     | 125.41 | 238.13 | 38.10 | 114.30 | 85.73  | 56.70              | PHP 8-8V1250TB  |
|         |                   | 330.20             | A-1         | 4545           | 335.28                          | 13.20 | 57.15     | 125.41 | 238.13 | 38.10 | 114.30 | 85.73  | 61.23              | PHP 8-8V1320TB  |
|         |                   | 350.52             | A-1         | 4545           | 355.60                          | 14.00 | 57.15     | 125.41 | 238.13 | 38.10 | 114.30 | 85.73  | 70.31              | PHP 8-8V1400TB  |
|         |                   | 375.92             | A-1         | 4545           | 381.00                          | 15.00 | 57.15     | 125.41 | 238.13 | 38.10 | 114.30 | 85.73  | 81.65              | PHP 8-8V1500TB  |
|         |                   | 401.32             | A-1         | 4545           | 406.40                          | 16.00 | 57.15     | 125.41 | 238.13 | 38.10 | 114.30 | 85.73  | 72.57              | PHP 8-8V1600TB  |
|         |                   | 426.72             | A-2         | 5050           | 431.80                          | 17.00 | 69.85     | 127.00 | 238.13 | 38.10 | 127.00 | 85.73  | 79.83              | PHP 8-8V1700TB  |
|         |                   | 452.12             | A-2         | 5050           | 457.20                          | 18.00 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 86.18              | PHP 8-8V1800TB  |
|         |                   | 477.52             | A-2         | 5050           | 482.60                          | 19.00 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 95.25              | PHP 8-8V1900TB  |
|         |                   | 502.92             | A-2         | 5050           | 508.00                          | 20.00 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 102.06             | PHP 8-8V2000TB  |
|         |                   | 533.40             | A-2         | 5050           | 538.48                          | 21.20 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 111.13             | PHP 8-8V2120TB  |
|         |                   | 563.88             | A-3         | 5050           | 568.96                          | 22.40 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 136.08             | PHP 8-8V2240TB  |
|         |                   | 624.84             | A-3         | 5050           | 629.92                          | 24.80 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 140.16             | PHP 8-8V2480TB  |
|         |                   | 756.92             | A-3         | 5050           | 762.00                          | 30.00 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 142.88             | PHP 8-8V3000TB  |
|         |                   | 896.62             | A-3         | 5050           | 901.70                          | 35.50 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 188.24             | PHP 8-8V3550TB  |
|         |                   | 1010.92            | A-3         | 5050           | 1016.00                         | 40.00 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 213.19             | PHP 8-8V4000TB  |
|         |                   | 1125.22            | A-3         | 6050           | 1130.30                         | 44.50 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 265.35             | PHP 8-8V4450TB  |
|         |                   | 1341.12            | A-3         | 6050           | 1346.20                         | 53.00 | 69.85     | 127.00 | 238.13 | 25.40 | 127.00 | 85.73  | 317.51             | PHP 8-8V5300TB  |
| 8V      | 10                | 330.20             | A-1         | 4545           | 335.28                          | 13.20 | 57.15     | 125.41 | 295.28 | 25.40 | 114.30 | 155.58 | 68.04              | PHP 10-8V1320TB |
|         |                   | 350.52             | A-1         | 4545           | 355.60                          | 14.00 | 57.15     | 125.41 | 295.28 | 25.40 | 114.30 | 155.58 | 79.38              | PHP 10-8V1400TB |
|         |                   | 375.92             | A-1         | 5050           | 381.00                          | 15.00 | 69.85     | 127.00 | 295.28 | 25.40 | 127.00 | 142.88 | 79.38              | PHP 10-8V1500TB |
|         |                   | 401.32             | A-1         | 5050           | 406.40                          | 16.00 | 69.85     | 127.00 | 295.28 | 25.40 | 127.00 | 142.88 | 99.79              | PHP 10-8V1600TB |
|         |                   | 426.72             | A-2         | 5050           | 431.80                          | 17.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 83.91              | PHP 10-8V1700TB |
|         |                   | 452.12             | A-2         | 5050           | 457.20                          | 18.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 99.79              | PHP 10-8V1800TB |
|         |                   | 477.52             | A-2         | 5050           | 482.60                          | 19.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 108.86             | PHP 10-8V1900TB |
|         |                   | 502.92             | A-2         | 5050           | 508.00                          | 20.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 117.93             | PHP 10-8V2000TB |
|         |                   | 533.40             | A-2         | 5050           | 538.48                          | 21.20 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 127.01             | PHP 10-8V2120TB |
|         |                   | 563.88             | A-3         | 5050           | 568.96                          | 22.40 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 151.95             | PHP 10-8V2240TB |
|         |                   | 624.84             | A-3         | 5050           | 629.92                          | 24.80 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 162.39             | PHP 10-8V2480TB |
|         |                   | 756.92             | A-3         | 5050           | 762.00                          | 30.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 167.83             | PHP 10-8V3000TB |
|         |                   | 896.62             | A-3         | 5050           | 901.70                          | 35.50 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 217.72             | PHP 10-8V3550TB |
|         |                   | 1010.92            | A-3         | 6050           | 1016.00                         | 40.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 249.48             | PHP 10-8V4000TB |
|         |                   | 1125.22            | A-3         | 6050           | 1130.30                         | 44.50 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 306.17             | PHP 10-8V4450TB |
|         |                   | 1341.12            | A-3         | 6050           | 1346.20                         | 53.00 | 69.85     | 127.00 | 295.28 | 57.15 | 127.00 | 111.13 | 394.63             | PHP 10-8V5300TB |

<sup>1)</sup> Taper bushing needs to conform to coarse thread series (UNC) of the ASME/ANSI standard. To complete designation, add U before bushing number and bore size at the end of designation, e.g. PHF TBU3535X70MM.  
<sup>2)</sup> Mass does not include bushings.

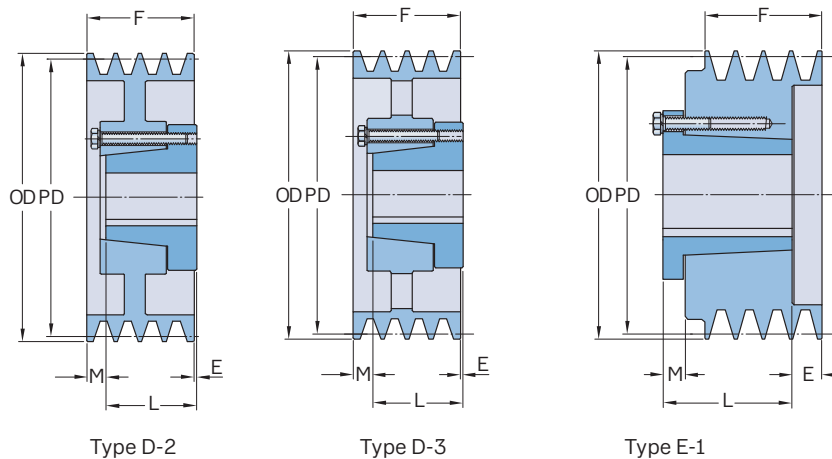
# Narrow wedge belt pulleys 3V QD bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |       | Bore  |       | E     | F     | L     | M  | Mass <sup>1)</sup> | Designation      |
|---------|-------------------|--------------------|-------------|----------------|-------------------|-------|-------|-------|-------|-------|-------|----|--------------------|------------------|
|         |                   | mm                 |             |                | Outer diameter OD | in.   | Min.  | Max.  |       |       |       |    | kg                 |                  |
| 3V      | 1                 | 54.61              | E-1         | JA             | 55.88             | 2.20  | 12.70 | 31.75 | 15.88 | 17.46 | 25.40 | 24 | 0.2                | PHP 1-3V220-JA   |
|         |                   | 58.42              | E-1         | JA             | 59.69             | 2.35  | 12.70 | 31.75 | 15.08 | 17.46 | 25.40 | 23 | 0.2                | PHP 1-3V235-JA   |
|         |                   | 62.23              | E-1         | JA             | 63.50             | 2.50  | 12.70 | 31.75 | 15.08 | 17.46 | 25.40 | 23 | 0.2                | PHP 1-3V250-JA   |
|         |                   | 66.04              | D-1         | JA             | 67.31             | 2.65  | 12.70 | 31.75 | 9.53  | 17.46 | 25.40 | 2  | 0.3                | PHP 1-3V265-JA   |
|         |                   | 69.85              | D-1         | JA             | 71.12             | 2.80  | 12.70 | 31.75 | 9.53  | 17.46 | 25.40 | 2  | 0.3                | PHP 1-3V280-JA   |
|         |                   | 74.93              | D-1         | JA             | 76.20             | 3.00  | 12.70 | 31.75 | 9.53  | 17.46 | 25.40 | 2  | 0.4                | PHP 1-3V300-JA   |
|         |                   | 78.74              | D-1         | JA             | 80.01             | 3.15  | 12.70 | 31.75 | 9.53  | 17.46 | 25.40 | 2  | 0.4                | PHP 1-3V315-JA   |
|         |                   | 83.82              | D-1         | SH             | 85.09             | 3.35  | 12.70 | 31.75 | 9.53  | 17.46 | 25.40 | 2  | 0.5                | PHP 1-3V335-JA   |
|         |                   | 91.44              | D-1         | SH             | 92.71             | 3.65  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 0.6                | PHP 1-3V365-SH   |
|         |                   | 103.38             | D-1         | SH             | 104.65            | 4.12  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 0.8                | PHP 1-3V412-SH   |
|         |                   | 113.03             | D-1         | SH             | 114.30            | 4.50  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.0                | PHP 1-3V450-SH   |
|         |                   | 119.38             | D-1         | SH             | 120.65            | 4.75  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.1                | PHP 1-3V475-SH   |
|         |                   | 125.73             | D-1         | SH             | 127.00            | 5.00  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.2                | PHP 1-3V500-SH   |
|         |                   | 133.35             | D-1         | SH             | 134.62            | 5.30  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.3                | PHP 1-3V530-SH   |
|         |                   | 140.97             | D-2         | SH             | 142.24            | 5.60  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.4                | PHP 1-3V560-SH   |
|         |                   | 151.13             | D-2         | SH             | 152.40            | 6.00  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.5                | PHP 1-3V600-SH   |
|         |                   | 163.83             | D-2         | SH             | 165.10            | 6.50  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 1.9                | PHP 1-3V650-SH   |
|         |                   | 173.99             | D-3         | SH             | 175.26            | 6.90  | 12.70 | 41.28 | 16.67 | 17.46 | 33.34 | 1  | 2.0                | PHP 1-3V690-SH   |
|         |                   | 201.93             | D-3         | SDS            | 203.20            | 8.00  | 12.70 | 50.80 | 16.67 | 17.46 | 33.34 | 1  | 2.6                | PHP 1-3V800-SDS  |
|         |                   | 267.97             | D-3         | SDS            | 269.24            | 10.60 | 12.70 | 50.80 | 16.67 | 17.46 | 33.34 | 1  | 3.6                | PHP 1-3V1060-SDS |
|         |                   | 354.33             | C-3         | SK             | 355.60            | 14.00 | 12.70 | 66.68 | 19.84 | 17.46 | 33.34 | 12 | 6.7                | PHP 1-3V1400-SK  |
|         |                   | 481.33             | C-3         | SK             | 482.60            | 19.00 | 12.70 | 66.68 | 19.84 | 17.46 | 33.34 | 12 | 10.9               | PHP 1-3V1900-SK  |
| 3V      | 2                 | 54.61              | E-1         | JA             | 55.88             | 2.20  | 12.70 | 31.75 | 8.73  | 27.78 | 25.40 | 24 | 0.3                | PHP 2-3V220-JA   |
|         |                   | 58.42              | E-1         | JA             | 59.69             | 2.35  | 12.70 | 31.75 | 25.40 | 27.78 | 25.40 | 23 | 0.3                | PHP 2-3V235-JA   |
|         |                   | 62.23              | E-1         | JA             | 63.50             | 2.50  | 12.70 | 31.75 | 25.40 | 27.78 | 25.40 | 23 | 0.3                | PHP 2-3V250-JA   |
|         |                   | 66.04              | D-1         | JA             | 67.31             | 2.65  | 12.70 | 31.75 | 9.53  | 27.78 | 25.40 | 12 | 0.4                | PHP 2-3V265-JA   |
|         |                   | 69.85              | D-1         | JA             | 71.12             | 2.80  | 12.70 | 31.75 | 9.53  | 27.78 | 25.40 | 12 | 0.4                | PHP 2-3V280-JA   |
|         |                   | 74.93              | D-1         | JA             | 76.20             | 3.00  | 12.70 | 31.75 | 9.53  | 27.78 | 25.40 | 12 | 0.5                | PHP 2-3V300-JA   |
|         |                   | 78.74              | D-1         | JA             | 80.01             | 3.15  | 12.70 | 31.75 | 9.53  | 27.78 | 25.40 | 12 | 0.5                | PHP 2-3V315-JA   |
|         |                   | 83.82              | D-1         | SH             | 85.09             | 3.35  | 12.70 | 41.28 | 13.49 | 27.78 | 33.34 | 8  | 0.6                | PHP 2-3V335-SH   |
|         |                   | 91.44              | D-1         | SH             | 92.71             | 3.65  | 12.70 | 41.28 | 13.49 | 27.78 | 33.34 | 8  | 0.7                | PHP 2-3V365-SH   |
|         |                   | 103.38             | D-1         | SH             | 104.65            | 4.12  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 1.0                | PHP 2-3V412-SH   |
|         |                   | 113.03             | D-1         | SH             | 114.30            | 4.50  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 1.2                | PHP 2-3V450-SH   |
|         |                   | 119.38             | D-1         | SH             | 120.65            | 4.75  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 1.4                | PHP 2-3V475-SH   |
|         |                   | 125.73             | D-1         | SH             | 127.00            | 5.00  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 1.5                | PHP 2-3V500-SH   |
|         |                   | 133.35             | D-1         | SH             | 134.62            | 5.30  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 1.8                | PHP 2-3V530-SH   |
|         |                   | 140.97             | D-2         | SH             | 142.24            | 5.60  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 1.8                | PHP 2-3V560-SH   |
|         |                   | 151.13             | D-2         | SH             | 152.40            | 6.00  | 12.70 | 41.28 | 8.73  | 27.78 | 33.34 | 3  | 2.0                | PHP 2-3V600-SH   |
|         |                   | 163.83             | D-2         | SDS            | 165.10            | 6.50  | 12.70 | 50.80 | 8.73  | 27.78 | 33.34 | 3  | 2.7                | PHP 2-3V650-SDS  |
|         |                   | 173.99             | D-2         | SDS            | 175.26            | 6.90  | 12.70 | 50.80 | 8.73  | 27.78 | 33.34 | 3  | 3.4                | PHP 2-3V690-SDS  |
|         |                   | 201.93             | D-3         | SDS            | 203.20            | 8.00  | 12.70 | 50.80 | 8.73  | 27.78 | 33.34 | 3  | 3.9                | PHP 2-3V800-SDS  |
|         |                   | 267.97             | C-3         | SK             | 269.24            | 10.60 | 12.70 | 66.68 | 13.49 | 27.78 | 33.34 | 8  | 5.7                | PHP 2-3V1060-SK  |
|         |                   | 354.33             | C-3         | SK             | 355.60            | 14.00 | 12.70 | 66.68 | 13.49 | 27.78 | 33.34 | 8  | 8.9                | PHP 2-3V1400-SK  |
|         |                   | 481.33             | C-3         | SK             | 482.60            | 19.00 | 12.70 | 66.68 | 13.49 | 27.78 | 33.34 | 8  | 12.3               | PHP 2-3V1900-SK  |
|         |                   | 633.73             | C-3         | SF             | 635.00            | 25.00 | 12.70 | 74.61 | 15.08 | 27.78 | 52.39 | 10 | 17.2               | PHP 2-3V2500-SF  |
| 3V      | 3                 | 62.23              | E-1         | JA             | 63.50             | 2.50  | 12.70 | 31.75 | 35.72 | 38.10 | 25.40 | 23 | 0.4                | PHP 3-3V250-JA   |
|         |                   | 66.04              | D-1         | JA             | 67.31             | 2.65  | 12.70 | 31.75 | 9.53  | 38.10 | 25.40 | 22 | 0.5                | PHP 3-3V265-JA   |
|         |                   | 69.85              | D-1         | JA             | 71.12             | 2.80  | 12.70 | 31.75 | 9.53  | 38.10 | 25.40 | 22 | 0.6                | PHP 3-3V280-JA   |
|         |                   | 74.93              | E-1         | SH             | 76.20             | 3.00  | 12.70 | 41.28 | 29.37 | 38.10 | 33.34 | 25 | 0.8                | PHP 3-3V300-SH   |
|         |                   | 78.74              | E-1         | SH             | 80.01             | 3.15  | 12.70 | 41.28 | 29.37 | 38.10 | 33.34 | 25 | 0.8                | PHP 3-3V315-SH   |
|         |                   | 83.82              | D-1         | SH             | 85.09             | 3.35  | 12.70 | 41.28 | 13.49 | 38.10 | 33.34 | 18 | 0.9                | PHP 3-3V335-SH   |
|         |                   | 91.44              | D-1         | SH             | 92.71             | 3.65  | 12.70 | 41.28 | 13.49 | 38.10 | 33.34 | 18 | 1.0                | PHP 3-3V365-SH   |
|         |                   | 103.38             | A-1         | SH             | 104.65            | 4.12  | 12.70 | 41.28 | 0.79  | 38.10 | 33.34 | 4  | 1.3                | PHP 3-3V412-SH   |

<sup>1)</sup> Mass does not include bushings.

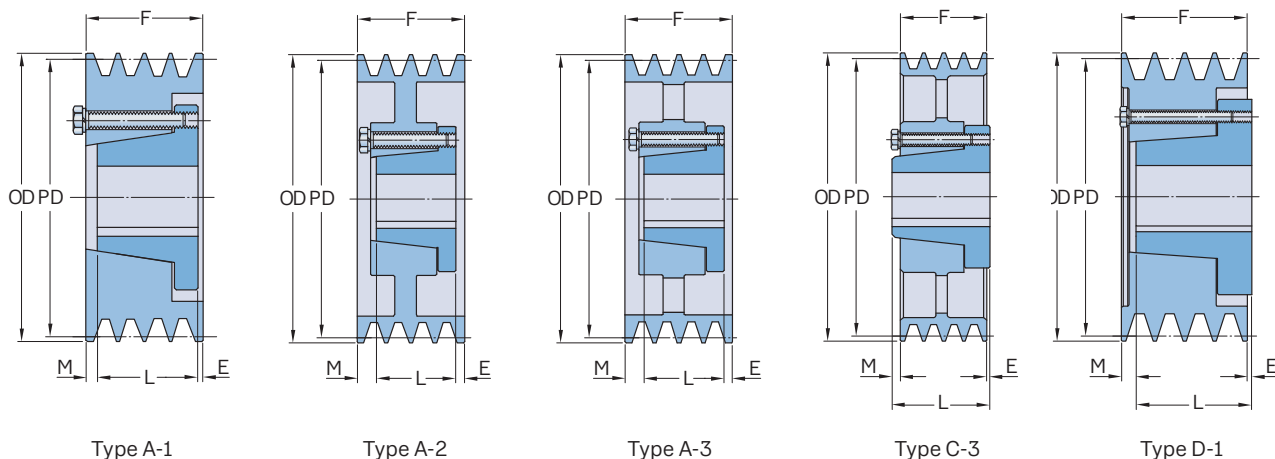
# Narrow wedge belt pulleys 3V QD bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |       | B Min. | B Max. | F     | E     | L     | M  | Mass <sup>2)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|------------|-------|--------|--------|-------|-------|-------|----|--------------------|-----------------|
| –       | –                 | mm                 | –           | –              | mm         | in.   |        |        |       |       |       |    | kg                 | –               |
| 3V      | 3                 | 113.03             | A-1         | SDS            | 114.30     | 4.50  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 1.6                | PHP 3-3V450-SDS |
|         |                   | 119.38             | A-1         | SDS            | 120.65     | 4.75  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 1.8                | PHP 3-3V475-SDS |
|         |                   | 125.73             | A-1         | SDS            | 127.00     | 5.00  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 2.0                | PHP 3-3V500-SDS |
|         |                   | 133.35             | A-1         | SDS            | 134.62     | 5.30  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 2.4                | PHP 3-3V530-SDS |
|         |                   | 140.97             | A-1         | SDS            | 142.24     | 5.60  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 2.7                | PHP 3-3V560-SDS |
|         |                   | 151.13             | A-2         | SDS            | 152.40     | 6.00  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 3.2                | PHP 3-3V600-SDS |
|         |                   | 163.83             | A-2         | SDS            | 165.10     | 6.50  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 3.7                | PHP 3-3V650-SDS |
|         |                   | 173.99             | A-2         | SDS            | 175.26     | 6.90  | 12.70  | 50.80  | 0.79  | 38.10 | 33.34 | 4  | 4.0                | PHP 3-3V690-SDS |
|         |                   | 201.93             | D-2         | SK             | 203.20     | 8.00  | 12.70  | 66.68  | 13.49 | 38.10 | 33.34 | 2  | 5.1                | PHP 3-3V800-SK  |
|         |                   | 267.97             | D-3         | SK             | 269.24     | 10.60 | 12.70  | 66.68  | 13.49 | 38.10 | 33.34 | 2  | 6.4                | PHP 3-3V1060-SK |
|         |                   | 354.33             | D-3         | SK             | 355.60     | 14.00 | 12.70  | 66.68  | 13.49 | 38.10 | 33.34 | 2  | 9.8                | PHP 3-3V1400-SK |
|         |                   | 405.13             | D-3         | SK             | 406.40     | 16.00 | 12.70  | 66.68  | 13.49 | 38.10 | 33.34 | 2  | 11.4               | PHP 3-3V1600-SK |
|         |                   | 481.33             | D-3         | SF             | 482.60     | 19.00 | 12.70  | 74.61  | 15.08 | 38.10 | 52.39 | 1  | 14.6               | PHP 3-3V1900-SF |
|         |                   | 633.73             | D-3         | SF             | 635.00     | 25.00 | 12.70  | 74.61  | 15.08 | 38.10 | 52.39 | 1  | 22.7               | PHP 3-3V2500-SF |
|         |                   | 849.63             | D-3         | SF             | 850.90     | 33.50 | 22.23  | 88.90  | 15.08 | 38.10 | 52.39 | 1  | 35.4               | PHP 3-3V3350-SF |
|         |                   | 66.04              | D-1         | JA             | 67.31      | 2.65  | 12.70  | 31.75  | 9.53  | 48.42 | 25.40 | 15 | 0.6                | PHP 4-3V265-JA  |
|         |                   | 69.85              | D-1         | JA             | 71.12      | 2.80  | 12.70  | 31.75  | 9.53  | 48.42 | 25.40 | 15 | 0.8                | PHP 4-3V280-JA  |
|         |                   | 74.93              | E-1         | SH             | 76.20      | 3.00  | 12.70  | 41.28  | 12.70 | 48.42 | 33.34 | 23 | 0.9                | PHP 4-3V300-SH  |
|         |                   | 78.74              | E-1         | SH             | 80.01      | 3.15  | 12.70  | 41.28  | 12.70 | 48.42 | 33.34 | 23 | 1.0                | PHP 4-3V315-SH  |
|         |                   | 83.82              | D-1         | SH             | 85.09      | 3.35  | 12.70  | 41.28  | 13.49 | 48.42 | 33.34 | 29 | 1.0                | PHP 4-3V335-SH  |
|         |                   | 91.44              | D-1         | SH             | 92.71      | 3.65  | 12.70  | 41.28  | 13.49 | 48.42 | 33.34 | 29 | 1.3                | PHP 4-3V365-SH  |
|         |                   | 103.38             | A-1         | SH             | 104.65     | 4.12  | 12.70  | 41.28  | 3.97  | 48.42 | 33.34 | 11 | 1.5                | PHP 4-3V412-SH  |
|         |                   | 113.03             | A-1         | SDS            | 114.30     | 4.50  | 12.70  | 50.80  | 3.97  | 48.42 | 33.34 | 11 | 1.8                | PHP 4-3V450-SDS |
|         |                   | 119.38             | A-1         | SDS            | 120.65     | 4.75  | 12.70  | 50.80  | 3.97  | 48.42 | 33.34 | 11 | 2.1                | PHP 4-3V475-SDS |
|         |                   | 125.73             | A-1         | SDS            | 127.00     | 5.00  | 12.70  | 50.80  | 3.97  | 48.42 | 33.34 | 11 | 2.4                | PHP 4-3V500-SDS |
|         |                   | 133.35             | A-1         | SDS            | 134.62     | 5.30  | 12.70  | 50.80  | 3.97  | 48.42 | 33.34 | 11 | 2.6                | PHP 4-3V530-SDS |
|         |                   | 140.97             | A-1         | SDS            | 142.24     | 5.60  | 12.70  | 50.80  | 3.97  | 48.42 | 33.34 | 11 | 3.1                | PHP 4-3V560-SDS |
|         |                   | 151.13             | D-1         | SK             | 152.40     | 6.00  | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 3.8                | PHP 4-3V600-SK  |
|         |                   | 163.83             | D-1         | SK             | 165.10     | 6.50  | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 4.5                | PHP 4-3V650-SK  |
|         |                   | 173.99             | D-1         | SK             | 175.26     | 6.90  | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 5.4                | PHP 4-3V690-SK  |
| 3V      | 4                 | 201.93             | D-2         | SK             | 203.20     | 8.00  | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 5.9                | PHP 4-3V800-SK  |
|         |                   | 267.97             | D-3         | SK             | 269.24     | 10.60 | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 7.5                | PHP 4-3V1060-SK |
|         |                   | 354.33             | D-3         | SK             | 355.60     | 14.00 | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 10.2               | PHP 4-3V1400-SK |
|         |                   | 405.13             | D-3         | SK             | 406.40     | 16.00 | 12.70  | 66.68  | 3.97  | 48.42 | 33.34 | 3  | 12.6               | PHP 4-3V1600-SK |
|         |                   | 481.33             | D-3         | SF             | 482.60     | 19.00 | 12.70  | 74.61  | 5.56  | 48.42 | 52.39 | 2  | 15.9               | PHP 4-3V1900-SF |
|         |                   | 633.73             | D-3         | SF             | 635.00     | 25.00 | 12.70  | 74.61  | 5.56  | 48.42 | 52.39 | 2  | 25.9               | PHP 4-3V2500-SF |
|         |                   | 849.63             | C-3         | E              | 850.90     | 33.50 | 22.23  | 88.90  | 16.67 | 48.42 | 69.85 | 5  | 38.1               | PHP 4-3V3350-E  |
|         |                   | 119.38             | A-1         | SDS            | 120.65     | 4.75  | 12.70  | 50.80  | 3.97  | 58.74 | 49.21 | 21 | 2.3                | PHP 5-3V475-SDS |
|         |                   | 125.73             | A-1         | SDS            | 127.00     | 5.00  | 12.70  | 50.80  | 3.97  | 58.74 | 49.21 | 21 | 2.6                | PHP 5-3V500-SDS |
|         |                   | 133.35             | A-1         | SK             | 134.62     | 5.30  | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 3.0                | PHP 5-3V530-SK  |
|         |                   | 140.97             | A-1         | SK             | 142.24     | 5.60  | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 3.4                | PHP 5-3V560-SK  |
|         |                   | 151.13             | A-1         | SK             | 152.40     | 6.00  | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 4.0                | PHP 5-3V600-SK  |
|         |                   | 163.83             | A-2         | SK             | 165.10     | 6.50  | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 4.8                | PHP 5-3V650-SK  |
|         |                   | 173.99             | A-2         | SK             | 175.26     | 6.90  | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 5.8                | PHP 5-3V690-SK  |
|         |                   | 201.93             | A-2         | SK             | 203.20     | 8.00  | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 6.3                | PHP 5-3V800-SK  |
|         |                   | 267.97             | A-3         | SK             | 269.24     | 10.60 | 12.70  | 66.68  | 3.97  | 58.74 | 49.21 | 6  | 7.7                | PHP 5-3V1060-SK |
|         |                   | 354.33             | A-3         | SF             | 355.60     | 14.00 | 12.70  | 74.61  | 0.79  | 58.74 | 74.61 | 6  | 11.8               | PHP 5-3V1400-SF |
|         |                   | 481.33             | A-3         | SF             | 482.60     | 19.00 | 12.70  | 74.61  | 0.79  | 58.74 | 74.61 | 6  | 18.6               | PHP 5-3V1900-SF |
|         |                   | 633.73             | D-3         | E              | 635.00     | 25.00 | 22.23  | 88.90  | 13.49 | 58.74 | 69.85 | 2  | 28.6               | PHP 5-3V2500-E  |
|         |                   | 849.63             | D-3         | E              | 850.90     | 33.50 | 22.23  | 88.90  | 13.49 | 58.74 | 69.85 | 2  | 43.1               | PHP 5-3V3350-E  |
| 3V      | 6                 | 119.38             | D-1         | SK             | 120.65     | 4.75  | 12.70  | 66.68  | 16.67 | 69.06 | 49.21 | 37 | 2.7                | PHP 6-3V475-SK  |
|         |                   | 125.73             | D-1         | SK             | 127.00     | 5.00  | 12.70  | 66.68  | 16.67 | 69.06 | 49.21 | 37 | 2.9                | PHP 6-3V500-SK  |
|         |                   | 133.35             | A-1         | SK             | 134.62     | 5.30  | 12.70  | 66.68  | 13.49 | 69.06 | 49.21 | 6  | 3.1                | PHP 6-3V530-SK  |

<sup>1)</sup> Mass does not include bushings.

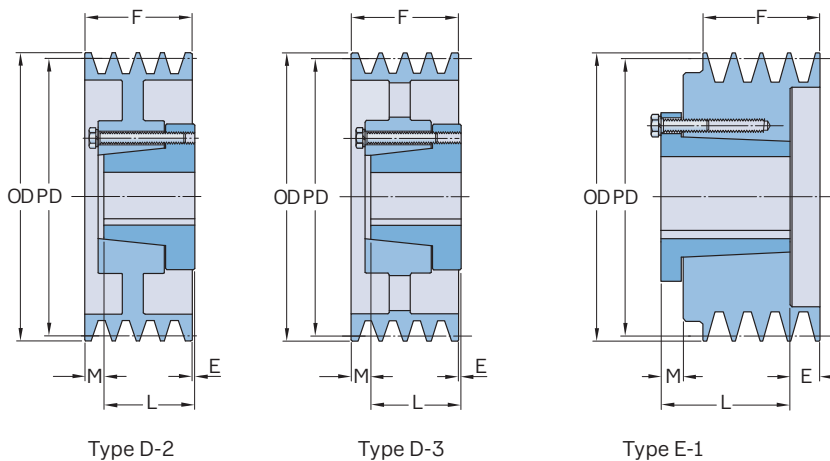
Narrow wedge belt pulleys  
3V QD bushed | 5V QD bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |       | Bore  |        | E     | F      | L      | M  | Mass <sup>1)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|------------|-------|-------|--------|-------|--------|--------|----|--------------------|-----------------|
|         |                   | mm                 |             |                | mm         | in.   | Min.  | Max.   |       |        |        |    | kg                 |                 |
| 3V      | 6                 | 140.97             | A-1         | SK             | 142.24     | 5.60  | 12.70 | 66.68  | 13.49 | 69.06  | 49.21  | 6  | 3.9                | PHP 6-3V560-SK  |
|         |                   | 151.13             | A-1         | SK             | 152.40     | 6.00  | 12.70 | 66.68  | 13.49 | 69.06  | 49.21  | 6  | 4.5                | PHP 6-3V600-SK  |
|         |                   | 163.83             | A-1         | SK             | 165.10     | 6.50  | 12.70 | 66.68  | 13.49 | 69.06  | 49.21  | 6  | 5.2                | PHP 6-3V650-SK  |
|         |                   | 173.99             | A-1         | SK             | 175.26     | 6.90  | 12.70 | 66.68  | 13.49 | 69.06  | 49.21  | 6  | 6.1                | PHP 6-3V690-SK  |
|         |                   | 201.93             | A-2         | SK             | 203.20     | 8.00  | 12.70 | 74.61  | 2.38  | 69.06  | 49.21  | 17 | 6.8                | PHP 6-3V800-SK  |
|         |                   | 267.97             | A-3         | SF             | 269.24     | 10.60 | 12.70 | 74.61  | 0.79  | 69.06  | 74.61  | 16 | 10.3               | PHP 6-3V1060-SF |
|         |                   | 354.33             | A-3         | SF             | 355.60     | 14.00 | 22.23 | 88.90  | 0.79  | 69.06  | 74.61  | 16 | 13.4               | PHP 6-3V1400-SF |
|         |                   | 481.33             | D-3         | E              | 482.60     | 19.00 | 22.23 | 88.90  | 3.97  | 69.06  | 69.85  | 3  | 20.0               | PHP 6-3V1900-E  |
|         |                   | 633.73             | D-3         | E              | 635.00     | 25.00 | 22.23 | 88.90  | 3.97  | 69.06  | 69.85  | 3  | 29.5               | PHP 6-3V2500-E  |
|         |                   | 849.63             | D-3         | E              | 850.90     | 33.50 | 22.23 | 88.90  | 3.97  | 69.06  | 69.85  | 3  | 45.8               | PHP 6-3V3350-E  |
|         | 8                 | 119.38             | D-1         | SK             | 120.65     | 4.75  | 12.70 | 66.68  | 16.67 | 89.69  | 49.21  | 57 | 3.3                | PHP 8-3V475-SK  |
|         |                   | 125.73             | D-1         | SK             | 127.00     | 5.00  | 12.70 | 66.68  | 16.67 | 89.69  | 49.21  | 57 | 3.5                | PHP 8-3V500-SK  |
|         |                   | 133.35             | A-1         | SK             | 134.62     | 5.30  | 12.70 | 66.68  | 13.49 | 89.69  | 49.21  | 27 | 4.2                | PHP 8-3V530-SK  |
|         |                   | 140.97             | A-1         | SK             | 142.24     | 5.60  | 12.70 | 66.68  | 13.49 | 89.69  | 49.21  | 27 | 4.8                | PHP 8-3V560-SK  |
|         |                   | 151.13             | A-1         | SK             | 152.40     | 6.00  | 12.70 | 66.68  | 13.49 | 89.69  | 49.21  | 27 | 5.7                | PHP 8-3V600-SK  |
|         |                   | 163.83             | A-1         | SK             | 165.10     | 6.50  | 12.70 | 66.68  | 13.49 | 89.69  | 49.21  | 27 | 7.3                | PHP 8-3V650-SK  |
|         |                   | 173.99             | A-1         | SK             | 175.26     | 6.90  | 12.70 | 66.68  | 13.49 | 89.69  | 49.21  | 27 | 8.2                | PHP 8-3V690-SK  |
|         |                   | 201.93             | A-1         | SF             | 203.20     | 8.00  | 12.70 | 74.61  | 7.14  | 89.69  | 74.61  | 21 | 9.5                | PHP 8-3V800-SF  |
|         |                   | 267.97             | A-2         | SF             | 269.24     | 10.60 | 12.70 | 74.61  | 7.14  | 89.69  | 74.61  | 21 | 11.6               | PHP 8-3V1060-SF |
|         |                   | 354.33             | A-3         | E              | 355.60     | 14.00 | 22.23 | 88.90  | 2.38  | 89.69  | 69.85  | 17 | 17.5               | PHP 8-3V1400-E  |
| 3V      | 10                | 481.33             | A-3         | E              | 482.60     | 19.00 | 22.23 | 88.90  | 2.38  | 89.69  | 69.85  | 17 | 24.5               | PHP 8-3V1900-E  |
|         |                   | 633.73             | A-3         | E              | 635.00     | 25.00 | 22.23 | 88.90  | 2.38  | 89.69  | 69.85  | 17 | 36.3               | PHP 8-3V2500-E  |
|         |                   | 849.63             | D-3         | F              | 850.90     | 33.50 | 25.40 | 101.60 | 7.14  | 89.69  | 95.25  | 17 | 14.5               | PHP 8-3V3350-F  |
|         |                   | 119.38             | D-1         | SK             | 120.65     | 4.75  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 78 | 3.8                | PHP 10-3V475-SK |
|         |                   | 125.73             | D-1         | SK             | 127.00     | 5.00  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 78 | 4.3                | PHP 10-3V500-SK |
|         |                   | 133.35             | A-1         | SK             | 134.62     | 5.30  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 44 | 4.6                | PHP 10-3V530-SK |
|         |                   | 140.97             | A-1         | SK             | 142.24     | 5.60  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 44 | 5.2                | PHP 10-3V560-SK |
|         |                   | 151.13             | A-1         | SK             | 152.40     | 6.00  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 44 | 6.6                | PHP 10-3V600-SK |
|         |                   | 163.83             | A-1         | SK             | 165.10     | 6.50  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 44 | 7.9                | PHP 10-3V650-SK |
|         |                   | 173.99             | A-1         | SK             | 175.26     | 6.90  | 12.70 | 66.68  | 16.67 | 110.33 | 49.21  | 44 | 9.1                | PHP 10-3V690-SK |
|         | 2                 | 201.93             | A-1         | SF             | 203.20     | 8.00  | 12.70 | 74.61  | 16.67 | 110.33 | 52.39  | 41 | 10.9               | PHP 10-3V800-SF |
|         |                   | 267.97             | A-2         | E              | 269.24     | 10.60 | 22.23 | 88.90  | 2.38  | 110.33 | 52.39  | 38 | 13.7               | PHP 10-3V1060-E |
|         |                   | 354.33             | A-3         | E              | 355.60     | 14.00 | 22.23 | 88.90  | 2.38  | 110.33 | 52.39  | 38 | 19.4               | PHP 10-3V1400-E |
|         |                   | 481.33             | A-3         | E              | 482.60     | 19.00 | 22.23 | 88.90  | 2.38  | 110.33 | 52.39  | 38 | 29.0               | PHP 10-3V1900-E |
|         |                   | 633.73             | D-3         | F              | 635.00     | 25.00 | 25.40 | 101.60 | 0.79  | 110.33 | 95.25  | 16 | 44.9               | PHP 10-3V2500-F |
|         |                   | 849.63             | D-3         | F              | 850.90     | 33.50 | 25.40 | 101.60 | 0.79  | 110.33 | 120.65 | 16 | 71.7               | PHP 10-3V3350-F |
|         |                   | 109.22             | D-1         | SH             | 111.76     | 4.40  | 12.70 | 41.28  | 8.73  | 42.86  | 33.34  | 18 | 2.6                | PHP 2-5V440-SH  |
|         |                   | 115.57             | E-1         | SDS            | 118.11     | 4.65  | 12.70 | 50.80  | 21.43 | 42.86  | 33.34  | 12 | 3.0                | PHP 2-5V465-SDS |
|         |                   | 121.92             | A-1         | SDS            | 124.46     | 4.90  | 12.70 | 50.80  | 0.79  | 42.86  | 33.34  | 9  | 3.1                | PHP 2-5V490-SDS |
|         |                   | 129.54             | A-1         | SDS            | 132.08     | 5.20  | 12.70 | 50.80  | 0.79  | 42.86  | 33.34  | 9  | 3.2                | PHP 2-5V520-SDS |
| 5V      | 2                 | 137.16             | A-1         | SDS            | 139.70     | 5.50  | 12.70 | 50.80  | 0.79  | 42.86  | 33.34  | 9  | 3.3                | PHP 2-5V550-SDS |
|         |                   | 147.32             | A-1         | SDS            | 149.86     | 5.90  | 12.70 | 50.80  | 0.79  | 42.86  | 33.34  | 9  | 3.5                | PHP 2-5V590-SDS |
|         |                   | 157.48             | D-1         | SK             | 160.02     | 6.30  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 4.3                | PHP 2-5V630-SK  |
|         |                   | 167.64             | D-1         | SK             | 170.18     | 6.70  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 4.8                | PHP 2-5V670-SK  |
|         |                   | 177.80             | D-1         | SK             | 180.34     | 7.10  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 5.2                | PHP 2-5V710-SK  |
|         |                   | 187.96             | D-1         | SK             | 190.50     | 7.50  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 5.7                | PHP 2-5V750-SK  |
|         |                   | 200.66             | D-2         | SK             | 203.20     | 8.00  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 5.9                | PHP 2-5V800-SK  |
|         |                   | 213.36             | D-2         | SK             | 215.90     | 8.50  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 6.4                | PHP 2-5V850-SK  |
|         |                   | 226.06             | D-3         | SK             | 228.60     | 9.00  | 12.70 | 66.68  | 8.73  | 42.86  | 33.34  | 2  | 6.9                | PHP 2-5V900-SK  |
|         |                   | 232.41             | D-3         | SK             | 234.95     | 9.25  | 12.70 | 66.68  | 8.73  | 42.86  | 33.34  | 2  | 6.9                | PHP 2-5V925-SK  |
|         | 3                 | 245.11             | D-3         | SK             | 247.65     | 9.75  | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 7.0                | PHP 2-5V975-SK  |
|         |                   | 259.08             | D-3         | SK             | 261.62     | 10.30 | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 7.0                | PHP 2-5V1030-SK |
|         |                   | 274.32             | D-3         | SK             | 276.86     | 10.90 | 12.70 | 66.68  | 8.73  | 42.86  | 49.21  | 2  | 7.5                | PHP 2-5V1090-SK |

<sup>1)</sup> Mass does not include bushings.

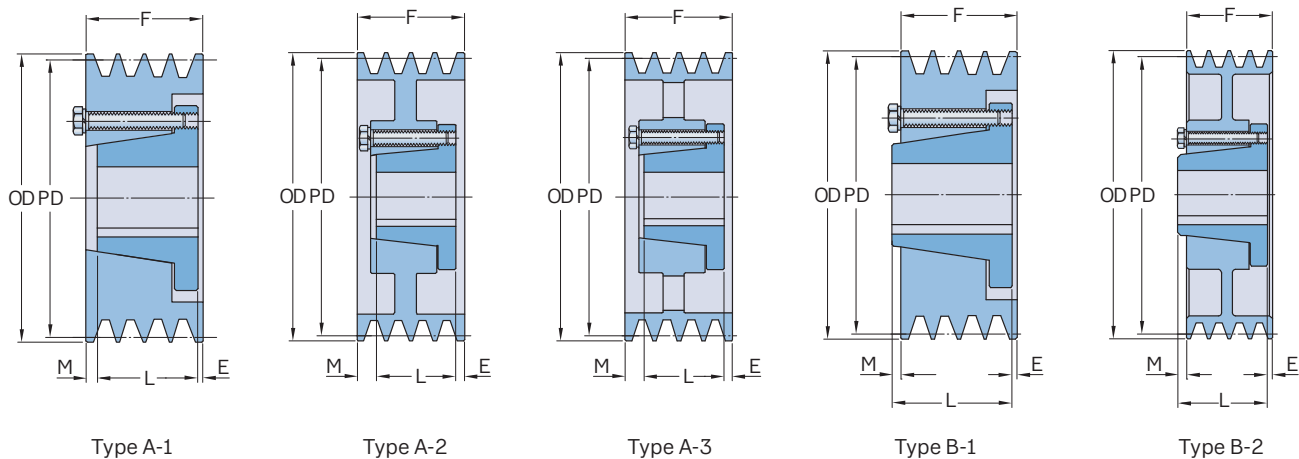
# Narrow wedge belt pulleys 5V QD bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions     |        |        |        |       |       |       |                |      | Mass <sup>2)</sup> | Designation |
|---------|-------------------|--------------------|-------------|----------------|----------------|--------|--------|--------|-------|-------|-------|----------------|------|--------------------|-------------|
|         |                   |                    |             |                | Outer diameter |        | B Min. | B Max. | F     | E     | L     | M              |      |                    |             |
| —       | —                 | mm                 | —           | —              | mm             | in.    |        |        |       |       |       |                | kg   | —                  |             |
| 5V      | 2                 | 284.48             | D-3         | SK             | 287.02         | 11.30  | 12.70  | 66.68  | 8.73  | 42.86 | 49.21 | 2              | 8.1  | PHP 2-5V1130-SK    |             |
|         |                   | 297.18             | D-3         | SK             | 299.72         | 11.80  | 12.70  | 66.68  | 8.73  | 42.86 | 49.21 | 2              | 8.6  | PHP 2-5V1180-SK    |             |
|         |                   | 314.96             | D-3         | SF             | 317.50         | 12.50  | 12.70  | 74.61  | 10.32 | 42.86 | 52.39 | 1              | 9.5  | PHP 2-5V1250-SF    |             |
|         |                   | 332.74             | D-3         | SF             | 335.28         | 13.20  | 12.70  | 74.61  | 10.32 | 42.86 | 52.39 | 1              | 10.3 | PHP 2-5V1320-SF    |             |
|         |                   | 353.06             | D-3         | SF             | 355.60         | 14.00  | 12.70  | 74.61  | 10.32 | 42.86 | 52.39 | 1              | 11.5 | PHP 2-5V1400-SF    |             |
|         |                   | 378.46             | D-3         | SF             | 381.00         | 15.00  | 12.70  | 74.61  | 10.32 | 42.86 | 52.39 | 1              | 12.4 | PHP 2-5V1500-SF    |             |
|         |                   | 403.86             | D-3         | SF             | 406.40         | 16.00  | 12.70  | 74.61  | 10.32 | 42.86 | 52.39 | 1              | 13.2 | PHP 2-5V1600-SF    |             |
|         |                   | 472.44             | D-3         | SF             | 474.98         | 18.70  | 12.70  | 74.61  | 10.32 | 42.86 | 52.39 | 1              | 16.3 | PHP 2-5V1870-SF    |             |
|         |                   | 535.94             | D-3         | SF             | 538.48         | 21.20  | 12.70  | 74.61  | 10.32 | 42.86 | 26.99 | 1              | 19.5 | PHP 2-5V2120-SF    |             |
|         |                   | 596.90             | C-3         | E              | 599.44         | 23.60  | 22.23  | 88.90  | 23.02 | 42.86 | 69.85 | 4              | 25.0 | PHP 2-5V2360-E     |             |
| 5V      | 3                 | 708.66             | C-3         | E              | 711.20         | 28.00  | 22.23  | 88.90  | 23.02 | 42.86 | 69.85 | 4              | 30.4 | PHP 2-5V2800-E     |             |
|         |                   | 109.22             | E-1         | SDS            | 111.76         | 4.40   | 12.70  | 50.80  | 43.66 | 60.33 | 33.34 | 17             | 3.0  | PHP 3-5V440-SDS    |             |
|         |                   | 115.57             | E-1         | SDS            | 118.11         | 4.65   | 12.70  | 50.80  | 43.66 | 60.33 | 33.34 | 17             | 3.5  | PHP 3-5V465-SDS    |             |
|         |                   | 121.92             | A-1         | SDS            | 124.46         | 4.90   | 12.70  | 50.80  | 10.32 | 60.33 | 33.34 | 17             | 3.5  | PHP 3-5V490-SDS    |             |
|         |                   | 129.54             | A-1         | SDS            | 132.08         | 5.20   | 12.70  | 50.80  | 10.32 | 60.33 | 33.34 | 17             | 3.6  | PHP 3-5V520-SDS    |             |
|         |                   | 137.16             | A-1         | SDS            | 139.70         | 5.50   | 12.70  | 50.80  | 10.32 | 60.33 | 33.34 | 17             | 3.7  | PHP 3-5V550-SDS    |             |
|         |                   | 147.32             | A-1         | SDS            | 149.86         | 5.90   | 12.70  | 50.80  | 10.32 | 60.33 | 33.34 | 17             | 3.9  | PHP 3-5V590-SDS    |             |
|         |                   | 157.48             | A-1         | SK             | 160.02         | 6.30   | 12.70  | 66.68  | 7.14  | 60.33 | 49.21 | 4              | 4.7  | PHP 3-5V630-SK     |             |
|         |                   | 167.64             | A-1         | SK             | 170.18         | 6.70   | 12.70  | 66.68  | 7.14  | 60.33 | 49.21 | 4              | 5.3  | PHP 3-5V670-SK     |             |
|         |                   | 177.80             | A-1         | SF             | 180.34         | 7.10   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 5.8  | PHP 3-5V710-SF     |             |
| 5V      | 4                 | 187.96             | A-1         | SF             | 190.50         | 7.50   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 6.8  | PHP 3-5V750-SF     |             |
|         |                   | 200.66             | A-1         | SF             | 203.20         | 8.00   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 7.5  | PHP 3-5V800-SF     |             |
|         |                   | 213.36             | A-3         | SF             | 215.90         | 8.50   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 8.2  | PHP 3-5V850-SF     |             |
|         |                   | 226.06             | A-3         | SF             | 228.60         | 9.00   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 9.0  | PHP 3-5V900-SF     |             |
|         |                   | 232.41             | A-3         | SF             | 234.95         | 9.25   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 9.4  | PHP 3-5V925-SF     |             |
|         |                   | 245.11             | A-3         | SF             | 247.65         | 9.75   | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 10.3 | PHP 3-5V975-SF     |             |
|         |                   | 259.08             | A-3         | SF             | 261.62         | 10.30  | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 11.2 | PHP 3-5V1030-SF    |             |
|         |                   | 274.32             | A-3         | SF             | 276.86         | 10.90  | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 12.1 | PHP 3-5V1090-SF    |             |
|         |                   | 284.48             | A-3         | SF             | 287.02         | 11.30  | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 12.8 | PHP 3-5V1130-SF    |             |
|         |                   | 297.18             | D-3         | SF             | 299.72         | 11.80  | 12.70  | 74.61  | 3.97  | 60.33 | 52.39 | 4              | 13.5 | PHP 3-5V1180-SF    |             |
| 5V      | 5                 | 314.96             | D-3         | E              | 317.50         | 12.50  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 15.4 | PHP 3-5V1250-E     |             |
|         |                   | 332.74             | D-3         | E              | 335.28         | 13.20  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 15.9 | PHP 3-5V1320-E     |             |
|         |                   | 353.06             | D-3         | E              | 355.60         | 14.00  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 16.8 | PHP 3-5V1400-E     |             |
|         |                   | 378.46             | D-3         | E              | 381.00         | 15.00  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 17.2 | PHP 3-5V1500-E     |             |
|         |                   | 403.86             | D-3         | E              | 406.40         | 16.00  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 17.8 | PHP 3-5V1600-E     |             |
|         |                   | 472.44             | D-3         | E              | 474.98         | 18.70  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 21.4 | PHP 3-5V1870-E     |             |
|         |                   | 535.94             | D-3         | E              | 538.48         | 21.20  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 25.0 | PHP 3-5V2120-E     |             |
|         |                   | 596.90             | D-3         | E              | 599.44         | 23.60  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 31.8 | PHP 3-5V2360-E     |             |
|         |                   | 708.66             | D-3         | E              | 711.20         | 28.00  | 22.23  | 88.90  | 10.32 | 60.33 | 69.85 | 1              | 39.2 | PHP 3-5V2800-E     |             |
|         |                   | 797.56             | C-3         | F              | 800.10         | 31.50  | 25.40  | 101.60 | 19.84 | 60.33 | 95.25 | 15             | 52.6 | PHP 3-5V3150-F     |             |
| 949.96  | C-3               | F                  | 952.50      | 37.50          | 25.40          | 101.60 | 19.84  | 60.33  | 95.25 | 15    | 64.0  | PHP 3-5V3750-F |      |                    |             |
| 5V      | 6                 | 1267.46            | C-3         | F              | 1270.00        | 50.00  | 25.40  | 101.60 | 19.84 | 60.33 | 95.25 | 15             | 95.7 | PHP 3-5V5000-F     |             |
|         |                   | 109.22             | E-1         | SD             | 111.76         | 4.40   | 12.70  | 50.80  | 48.42 | 77.79 | 46.04 | 17             | 3.4  | PHP 4-5V440-SD     |             |
|         |                   | 115.57             | E-1         | SD             | 118.11         | 4.65   | 12.70  | 50.80  | 48.42 | 77.79 | 46.04 | 17             | 3.6  | PHP 4-5V465-SD     |             |
|         |                   | 121.92             | A-1         | SD             | 124.46         | 4.90   | 12.70  | 50.80  | 16.67 | 77.79 | 46.04 | 15             | 3.9  | PHP 4-5V490-SD     |             |
|         |                   | 129.54             | A-1         | SD             | 132.08         | 5.20   | 12.70  | 50.80  | 16.67 | 77.79 | 46.04 | 15             | 4.0  | PHP 4-5V520-SD     |             |
|         |                   | 137.16             | A-1         | SD             | 139.70         | 5.50   | 12.70  | 50.80  | 16.67 | 77.79 | 46.04 | 15             | 4.2  | PHP 4-5V550-SD     |             |
|         |                   | 147.32             | A-1         | SD             | 149.86         | 5.90   | 12.70  | 50.80  | 16.67 | 77.79 | 46.04 | 15             | 4.6  | PHP 4-5V590-SD     |             |
|         |                   | 157.48             | A-1         | SK             | 160.02         | 6.30   | 12.70  | 66.68  | 13.49 | 77.79 | 49.21 | 15             | 5.4  | PHP 4-5V630-SK     |             |
|         |                   | 167.64             | A-1         | SK             | 170.18         | 6.70   | 12.70  | 66.68  | 13.49 | 77.79 | 49.21 | 15             | 6.2  | PHP 4-5V670-SK     |             |
|         |                   | 177.80             | A-1         | SF             | 180.34         | 7.10   | 12.70  | 74.61  | 5.56  | 77.79 | 52.39 | 20             | 6.8  | PHP 4-5V710-SF     |             |
| 187.96  | A-1               | SF                 | 190.50      | 7.50           | 12.70          | 74.61  | 5.56   | 77.79  | 52.39 | 20    | 7.7   | PHP 4-5V750-SF |      |                    |             |

<sup>1)</sup> Mass does not include bushings.

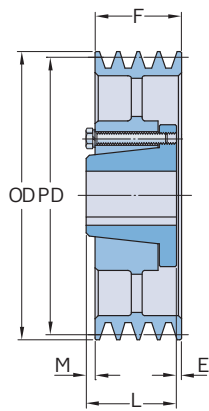
Narrow wedge belt pulleys  
5V QD bushed



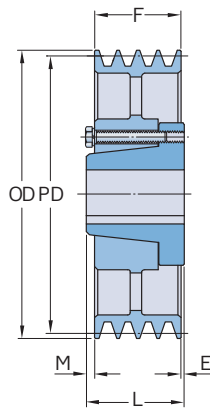
| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |       | Bore  |        | E     | F     | L      | M  | Mass <sup>1)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|-------------------|-------|-------|--------|-------|-------|--------|----|--------------------|----------------|
|         |                   | mm                 |             |                | Outer diameter OD | in.   | Min.  | Max.   |       |       |        |    | kg                 |                |
| 5V      | 4                 | 200.66             | B-1         | E              | 203.20            | 8.00  | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 8.5                | PHP 4-5V800-E  |
|         |                   | 213.36             | B-1         | E              | 215.90            | 8.50  | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 9.9                | PHP 4-5V850-E  |
|         |                   | 226.06             | B-1         | E              | 228.60            | 9.00  | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 11.0               | PHP 4-5V900-E  |
|         |                   | 232.41             | B-1         | E              | 234.95            | 9.25  | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 11.7               | PHP 4-5V925-E  |
|         |                   | 245.11             | B-1         | E              | 247.65            | 9.75  | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 12.8               | PHP 4-5V975-E  |
|         |                   | 259.08             | B-1         | E              | 261.62            | 10.30 | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 13.5               | PHP 4-5V1030-E |
|         |                   | 274.32             | B-2         | E              | 276.86            | 10.90 | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 13.9               | PHP 4-5V1090-E |
|         |                   | 284.48             | A-3         | E              | 287.02            | 11.30 | 22.23 | 88.90  | 7.14  | 77.79 | 69.85  | 1  | 14.5               | PHP 4-5V1130-E |
|         |                   | 297.18             | B-2         | E              | 299.72            | 11.80 | 22.23 | 88.90  | 8.73  | 77.79 | 69.85  | 1  | 15.0               | PHP 4-5V1180-E |
|         |                   | 314.96             | A-3         | E              | 317.50            | 12.50 | 22.23 | 88.90  | 7.14  | 77.79 | 69.85  | 1  | 16.5               | PHP 4-5V1250-E |
|         |                   | 332.74             | A-3         | E              | 335.28            | 13.20 | 22.23 | 88.90  | 7.14  | 77.79 | 69.85  | 1  | 17.3               | PHP 4-5V1320-E |
|         |                   | 353.06             | A-3         | E              | 355.60            | 14.00 | 22.23 | 88.90  | 7.14  | 77.79 | 69.85  | 1  | 18.2               | PHP 4-5V1400-E |
|         |                   | 378.46             | A-3         | E              | 381.00            | 15.00 | 22.23 | 88.90  | 7.14  | 77.79 | 69.85  | 1  | 19.7               | PHP 4-5V1500-E |
|         |                   | 403.86             | A-3         | E              | 406.40            | 16.00 | 22.23 | 88.90  | 7.14  | 77.79 | 69.85  | 1  | 20.2               | PHP 4-5V1600-E |
|         |                   | 472.44             | A-3         | E              | 474.98            | 18.70 | 22.23 | 88.90  | 2.38  | 77.79 | 69.85  | 1  | 24.3               | PHP 4-5V1870-E |
|         |                   | 535.94             | A-3         | E              | 538.48            | 21.20 | 22.23 | 88.90  | 2.38  | 77.79 | 69.85  | 1  | 28.4               | PHP 4-5V2120-E |
|         |                   | 596.90             | C-3         | F              | 599.44            | 23.60 | 25.40 | 101.60 | 11.91 | 77.79 | 95.25  | 6  | 37.9               | PHP 4-5V2360-F |
|         |                   | 708.66             | C-3         | F              | 711.20            | 28.00 | 25.40 | 101.60 | 11.91 | 77.79 | 95.25  | 6  | 57.2               | PHP 4-5V2800-F |
|         |                   | 797.56             | C-3         | F              | 800.10            | 31.50 | 25.40 | 101.60 | 11.91 | 77.79 | 95.25  | 6  | 67.1               | PHP 4-5V3150-F |
|         |                   | 949.96             | C-3         | F              | 952.50            | 37.50 | 25.40 | 101.60 | 11.91 | 77.79 | 95.25  | 6  | 77.1               | PHP 4-5V3750-F |
|         |                   | 1267.46            | C-3         | J              | 1270.00           | 50.00 | 38.10 | 114.30 | 19.05 | 77.79 | 117.48 | 21 | 112.5              | PHP 4-5V5000-J |
| 5V      | 5                 | 109.22             | E-1         | SD             | 111.76            | 4.40  | 12.70 | 50.80  | 65.88 | 95.25 | 46.04  | 17 | 4.0                | PHP 5-5V440-SD |
|         |                   | 115.57             | E-1         | SD             | 118.11            | 4.65  | 12.70 | 50.80  | 65.88 | 95.25 | 46.04  | 17 | 4.2                | PHP 5-5V465-SD |
|         |                   | 121.92             | A-1         | SD             | 124.46            | 4.90  | 12.70 | 50.80  | 16.67 | 95.25 | 46.04  | 15 | 4.6                | PHP 5-5V490-SD |
|         |                   | 129.54             | A-1         | SD             | 132.08            | 5.20  | 12.70 | 50.80  | 16.67 | 95.25 | 46.04  | 15 | 4.9                | PHP 5-5V520-SD |
|         |                   | 137.16             | A-1         | SD             | 139.70            | 5.50  | 12.70 | 50.80  | 16.67 | 95.25 | 46.04  | 15 | 5.4                | PHP 5-5V550-SD |
|         |                   | 147.32             | A-1         | SK             | 149.86            | 5.90  | 12.70 | 66.68  | 13.49 | 95.25 | 49.21  | 12 | 6.0                | PHP 5-5V590-SK |
|         |                   | 157.48             | A-1         | SK             | 160.02            | 6.30  | 12.70 | 66.68  | 13.49 | 95.25 | 49.21  | 12 | 7.2                | PHP 5-5V630-SK |
|         |                   | 167.64             | A-1         | SK             | 170.18            | 6.70  | 12.70 | 74.61  | 13.49 | 95.25 | 52.39  | 12 | 8.4                | PHP 5-5V670-SF |
|         |                   | 177.80             | A-1         | SF             | 180.34            | 7.10  | 12.70 | 74.61  | 13.49 | 95.25 | 52.39  | 10 | 9.8                | PHP 5-5V710-SF |
|         |                   | 187.96             | A-1         | SF             | 190.50            | 7.50  | 12.70 | 74.61  | 13.49 | 95.25 | 52.39  | 10 | 10.3               | PHP 5-5V750-SF |
|         |                   | 200.66             | A-1         | E              | 203.20            | 8.00  | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 10.8               | PHP 5-5V800-E  |
|         |                   | 213.36             | A-1         | E              | 215.90            | 8.50  | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 11.3               | PHP 5-5V850-E  |
|         |                   | 226.06             | A-1         | E              | 228.60            | 9.00  | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 11.9               | PHP 5-5V900-E  |
|         |                   | 232.41             | A-1         | E              | 234.95            | 9.25  | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 12.8               | PHP 5-5V925-E  |
|         |                   | 245.11             | A-1         | E              | 247.65            | 9.75  | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 14.5               | PHP 5-5V975-E  |
|         |                   | 259.08             | A-2         | E              | 261.62            | 10.30 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 15.0               | PHP 5-5V1030-E |
|         |                   | 274.32             | A-2         | E              | 276.86            | 10.90 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 15.9               | PHP 5-5V1090-E |
|         |                   | 284.48             | A-3         | E              | 287.02            | 11.30 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 16.6               | PHP 5-5V1130-E |
|         |                   | 297.18             | A-3         | E              | 299.72            | 11.80 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 17.2               | PHP 5-5V1180-E |
|         |                   | 314.96             | A-3         | E              | 317.50            | 12.50 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 18.5               | PHP 5-5V1250-E |
|         |                   | 332.74             | A-3         | E              | 335.28            | 13.20 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 19.2               | PHP 5-5V1320-E |
|         |                   | 353.06             | A-3         | E              | 355.60            | 14.00 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 20.2               | PHP 5-5V1400-E |
|         |                   | 378.46             | A-3         | E              | 381.00            | 15.00 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 21.9               | PHP 5-5V1500-E |
|         |                   | 403.86             | A-3         | E              | 406.40            | 16.00 | 22.23 | 88.90  | 15.08 | 95.25 | 69.85  | 10 | 23.2               | PHP 5-5V1600-E |
|         |                   | 472.44             | D-3         | F              | 474.98            | 18.70 | 25.40 | 101.60 | 2.38  | 95.25 | 95.25  | 2  | 31.8               | PHP 5-5V1870-F |
|         |                   | 535.94             | D-3         | F              | 538.48            | 21.20 | 25.40 | 101.60 | 0.79  | 95.25 | 95.25  | 1  | 40.4               | PHP 5-5V2120-F |
|         |                   | 596.90             | D-3         | F              | 599.44            | 23.60 | 25.40 | 101.60 | 0.79  | 95.25 | 95.25  | 1  | 47.6               | PHP 5-5V2360-F |
|         |                   | 708.66             | D-3         | F              | 711.20            | 28.00 | 25.40 | 101.60 | 0.79  | 95.25 | 95.25  | 1  | 55.8               | PHP 5-5V2800-F |
|         |                   | 797.56             | C-3         | J              | 800.10            | 31.50 | 38.10 | 114.30 | 11.11 | 95.25 | 117.48 | 11 | 68.5               | PHP 5-5V3150-J |
|         |                   | 949.96             | C-3         | J              | 952.50            | 37.50 | 38.10 | 114.30 | 11.11 | 95.25 | 117.48 | 11 | 86.2               | PHP 5-5V3750-J |
|         |                   | 1267.46            | C-3         | J              | 1270.00           | 50.00 | 38.10 | 114.30 | 11.11 | 95.25 | 117.48 | 11 | 126.1              | PHP 5-5V5000-J |

<sup>1)</sup> Mass does not include bushings.

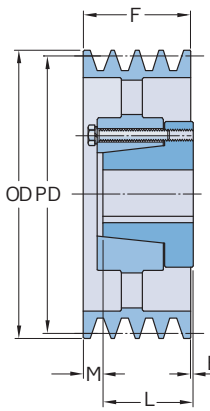
Narrow wedge belt pulleys  
5V QD bushed



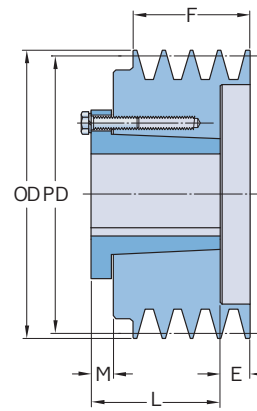
Type B-3



Type C-3



Type D-3

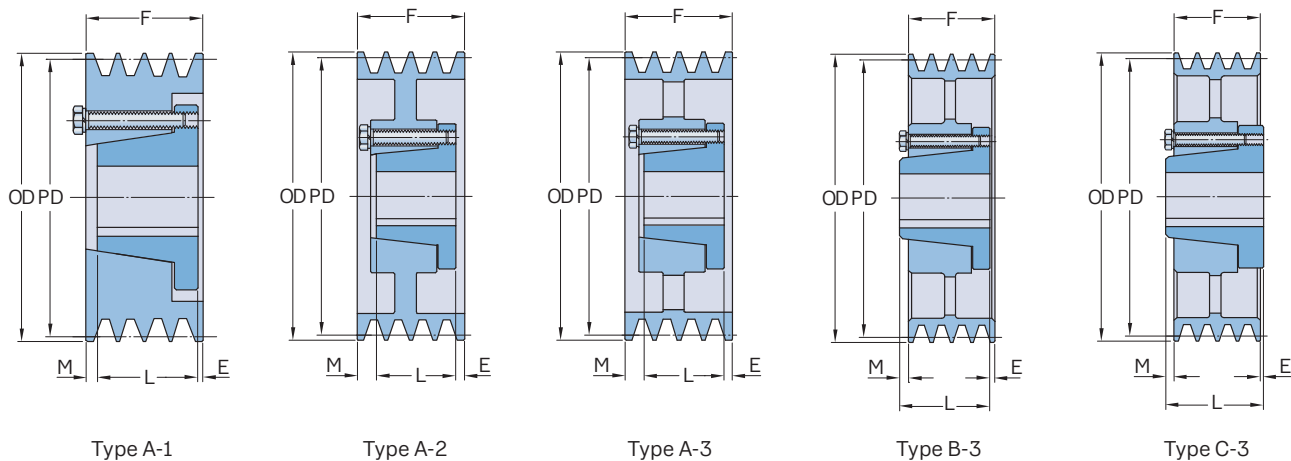


Type E-1

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions |       | B Min. | B Max. | F     | E      | L      | M  | Mass <sup>2)</sup> | Designation    |
|---------|-------------------|--------------------|-------------|----------------|------------|-------|--------|--------|-------|--------|--------|----|--------------------|----------------|
| –       | –                 | mm                 | –           | –              | mm         | in.   |        |        |       |        |        |    | kg                 | –              |
| 5V      | 6                 | 109.22             | E-1         | SD             | 111.76     | 4.40  | 12.70  | 50.80  | 96.04 | 112.71 | 46.04  | 17 | 4.6                | PHP 6-5V440-SD |
|         |                   | 115.57             | E-1         | SD             | 118.11     | 4.65  | 12.70  | 50.80  | 96.04 | 112.71 | 46.04  | 17 | 4.7                | PHP 6-5V465-SD |
|         |                   | 121.92             | A-1         | SD             | 124.46     | 4.90  | 12.70  | 50.80  | 16.67 | 112.71 | 46.04  | 50 | 5.1                | PHP 6-5V490-SD |
|         |                   | 129.54             | A-1         | SD             | 132.08     | 5.20  | 12.70  | 50.80  | 16.67 | 112.71 | 46.04  | 50 | 5.5                | PHP 6-5V520-SD |
|         |                   | 137.16             | A-1         | SD             | 139.70     | 5.50  | 12.70  | 50.80  | 16.67 | 112.71 | 46.04  | 50 | 6.0                | PHP 6-5V550-SD |
|         |                   | 147.32             | A-1         | SK             | 149.86     | 5.90  | 12.70  | 66.68  | 13.49 | 112.71 | 49.21  | 50 | 6.6                | PHP 6-5V590-SK |
|         |                   | 157.48             | A-1         | SK             | 160.02     | 6.30  | 12.70  | 66.68  | 13.49 | 112.71 | 49.21  | 50 | 7.9                | PHP 6-5V630-SK |
|         |                   | 167.64             | A-1         | SF             | 170.18     | 6.70  | 12.70  | 74.61  | 19.84 | 112.71 | 52.39  | 40 | 9.1                | PHP 6-5V670-SF |
|         |                   | 177.80             | A-1         | SF             | 180.34     | 7.10  | 12.70  | 74.61  | 19.84 | 112.71 | 52.39  | 40 | 9.9                | PHP 6-5V710-SF |
|         |                   | 187.96             | A-1         | SF             | 190.50     | 7.50  | 12.70  | 74.61  | 19.84 | 112.71 | 52.39  | 40 | 10.6               | PHP 6-5V750-SF |
|         |                   | 200.66             | A-1         | E              | 203.20     | 8.00  | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 11.0               | PHP 6-5V800-E  |
|         |                   | 213.36             | A-1         | E              | 215.90     | 8.50  | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 12.1               | PHP 6-5V850-E  |
|         |                   | 226.06             | A-1         | E              | 228.60     | 9.00  | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 12.9               | PHP 6-5V900-E  |
|         |                   | 232.41             | A-1         | E              | 234.95     | 9.25  | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 13.7               | PHP 6-5V925-E  |
|         |                   | 245.11             | A-1         | E              | 247.65     | 9.75  | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 15.3               | PHP 6-5V975-E  |
|         |                   | 259.08             | A-2         | E              | 261.62     | 10.30 | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 16.6               | PHP 6-5V1030-E |
|         |                   | 274.32             | A-2         | E              | 276.86     | 10.90 | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 17.3               | PHP 6-5V1090-E |
|         |                   | 284.48             | A-3         | E              | 287.02     | 11.30 | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 18.1               | PHP 6-5V1130-E |
|         |                   | 297.18             | A-2         | E              | 299.72     | 11.80 | 22.23  | 88.90  | 21.43 | 112.71 | 69.85  | 21 | 18.7               | PHP 6-5V1180-E |
|         |                   | 314.96             | B-3         | F              | 317.50     | 12.50 | 25.40  | 101.60 | 18.26 | 112.71 | 95.25  | 1  | 26.4               | PHP 6-5V1250-F |
|         |                   | 332.74             | B-3         | F              | 335.28     | 13.20 | 25.40  | 101.60 | 18.26 | 112.71 | 95.25  | 1  | 29.0               | PHP 6-5V1320-F |
|         |                   | 353.06             | B-3         | F              | 355.60     | 14.00 | 25.40  | 101.60 | 18.26 | 112.71 | 95.25  | 1  | 29.9               | PHP 6-5V1400-F |
|         |                   | 378.46             | B-3         | F              | 381.00     | 15.00 | 25.40  | 101.60 | 18.26 | 112.71 | 95.25  | 1  | 30.8               | PHP 6-5V1500-F |
|         |                   | 403.86             | B-3         | F              | 406.40     | 16.00 | 25.40  | 101.60 | 18.26 | 112.71 | 95.25  | 1  | 35.2               | PHP 6-5V1600-F |
|         |                   | 472.44             | D-3         | F              | 474.98     | 18.70 | 25.40  | 101.60 | 0.79  | 112.71 | 95.25  | 18 | 38.9               | PHP 6-5V1870-F |
|         |                   | 535.94             | D-3         | F              | 538.48     | 21.20 | 25.40  | 101.60 | 0.79  | 112.71 | 95.25  | 18 | 43.5               | PHP 6-5V2120-F |
|         |                   | 596.90             | C-3         | J              | 599.44     | 23.60 | 38.10  | 114.30 | 3.18  | 112.71 | 117.48 | 2  | 51.3               | PHP 6-5V2360-J |
|         |                   | 708.66             | C-3         | J              | 711.20     | 28.00 | 38.10  | 114.30 | 3.18  | 112.71 | 117.48 | 2  | 67.1               | PHP 6-5V2800-J |
|         |                   | 797.56             | C-3         | J              | 800.10     | 31.50 | 38.10  | 114.30 | 3.18  | 112.71 | 117.48 | 2  | 83.0               | PHP 6-5V3150-J |
|         |                   | 949.96             | C-3         | J              | 952.50     | 37.50 | 38.10  | 114.30 | 3.18  | 112.71 | 117.48 | 2  | 98.9               | PHP 6-5V3750-J |
|         |                   | 1267.46            | C-3         | M              | 1270.00    | 50.00 | 50.80  | 139.70 | 27.78 | 112.71 | 171.45 | 31 | 140.6              | PHP 6-5V5000-M |
| 5V      | 8                 | 177.80             | A-1         | SF             | 180.34     | 7.10  | 12.70  | 74.61  | 32.54 | 147.64 | 52.39  | 63 | 11.2               | PHP 8-5V710-SF |
|         |                   | 187.96             | A-1         | SF             | 190.50     | 7.50  | 12.70  | 74.61  | 32.54 | 147.64 | 52.39  | 63 | 12.8               | PHP 8-5V750-SF |
|         |                   | 200.66             | A-1         | E              | 203.20     | 8.00  | 22.23  | 63.50  | 34.13 | 147.64 | 69.85  | 44 | 15.9               | PHP 8-5V800-E  |
|         |                   | 213.36             | A-1         | E              | 215.90     | 8.50  | 22.23  | 63.50  | 34.13 | 147.64 | 69.85  | 44 | 16.9               | PHP 8-5V850-E  |
|         |                   | 226.06             | A-1         | E              | 228.60     | 9.00  | 22.23  | 63.50  | 34.13 | 147.64 | 69.85  | 44 | 19.1               | PHP 8-5V900-E  |
|         |                   | 232.41             | A-1         | F              | 234.95     | 9.25  | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 20.0               | PHP 8-5V925-F  |
|         |                   | 245.11             | A-1         | F              | 247.65     | 9.75  | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 22.0               | PHP 8-5V975-F  |
|         |                   | 259.08             | A-1         | F              | 261.62     | 10.30 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 26.5               | PHP 8-5V1030-F |
|         |                   | 274.32             | A-1         | F              | 276.86     | 10.90 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 28.6               | PHP 8-5V1090-F |
|         |                   | 284.48             | A-1         | F              | 287.02     | 11.30 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 30.4               | PHP 8-5V1130-F |
|         |                   | 297.18             | A-2         | F              | 299.72     | 11.80 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 32.2               | PHP 8-5V1180-F |
|         |                   | 314.96             | A-3         | F              | 317.50     | 12.50 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 34.5               | PHP 8-5V1250-F |
|         |                   | 332.74             | A-3         | F              | 335.28     | 13.20 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 36.3               | PHP 8-5V1320-F |
|         |                   | 353.06             | A-3         | F              | 355.60     | 14.00 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 36.7               | PHP 8-5V1400-F |
|         |                   | 378.46             | A-3         | F              | 381.00     | 15.00 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 37.7               | PHP 8-5V1500-F |
|         |                   | 403.86             | A-3         | F              | 406.40     | 16.00 | 25.40  | 101.60 | 30.96 | 147.64 | 95.25  | 21 | 40.8               | PHP 8-5V1600-F |
|         |                   | 472.44             | A-3         | J              | 474.98     | 18.70 | 38.10  | 114.30 | 3.18  | 147.64 | 117.48 | 27 | 54.4               | PHP 8-5V1870-J |
|         |                   | 535.94             | A-3         | J              | 538.48     | 21.20 | 38.10  | 114.30 | 3.18  | 147.64 | 117.48 | 27 | 69.0               | PHP 8-5V2120-J |
|         |                   | 596.90             | A-3         | J              | 599.44     | 23.60 | 38.10  | 114.30 | 3.18  | 147.64 | 117.48 | 27 | 83.9               | PHP 8-5V2360-J |
|         |                   | 708.66             | A-3         | J              | 711.20     | 28.00 | 38.10  | 114.30 | 3.18  | 147.64 | 117.48 | 27 | 95.3               | PHP 8-5V2800-J |
|         |                   | 797.56             | B-3         | M              | 800.10     | 31.50 | 50.80  | 139.70 | 8.73  | 147.64 | 171.45 | 33 | 109.8              | PHP 8-5V3150-M |
|         |                   | 949.96             | B-3         | M              | 952.50     | 37.50 | 50.80  | 139.70 | 8.73  | 147.64 | 171.45 | 33 | 129.3              | PHP 8-5V3750-M |

<sup>1)</sup> Mass does not include bushings.

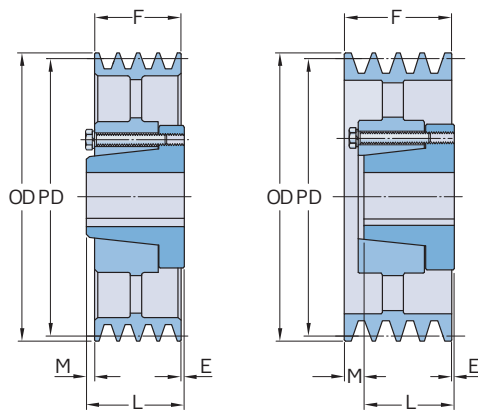
Narrow wedge belt pulleys  
5V QD bushed | 8V QD bushed



| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |       | Bore Min. | Max.   | E     | F      | L      | M  | Mass <sup>1)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|-------------------|-------|-----------|--------|-------|--------|--------|----|--------------------|-----------------|
|         |                   | mm                 |             |                | Outer diameter OD | in.   |           |        |       |        |        |    | kg                 |                 |
| 5V      | 10                | 200.66             | A-1         | E              | 203.20            | 8.00  | 22.23     | 88.90  | 53.18 | 182.56 | 69.85  | 60 | 17.1               | PHP 10-5V800-E  |
|         |                   | 213.36             | A-1         | E              | 215.90            | 8.50  | 22.23     | 88.90  | 53.18 | 182.56 | 69.85  | 60 | 20.2               | PHP 10-5V850-E  |
|         |                   | 226.06             | A-1         | F              | 228.60            | 9.00  | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 23.3               | PHP 10-5V900-F  |
|         |                   | 232.41             | A-1         | F              | 234.95            | 9.25  | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 24.0               | PHP 10-5V925-F  |
|         |                   | 245.11             | A-1         | F              | 247.65            | 9.75  | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 25.4               | PHP 10-5V975-F  |
|         |                   | 259.08             | A-1         | F              | 261.62            | 10.30 | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 29.0               | PHP 10-5V1030-F |
|         |                   | 274.32             | A-1         | F              | 276.86            | 10.90 | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 32.7               | PHP 10-5V1090-F |
|         |                   | 284.48             | A-1         | F              | 287.02            | 11.30 | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 34.9               | PHP 10-5V1130-F |
|         |                   | 297.18             | A-2         | F              | 299.72            | 11.80 | 25.40     | 101.60 | 50.01 | 182.56 | 95.25  | 37 | 36.7               | PHP 10-5V1180-F |
|         |                   | 314.96             | A-2         | J              | 317.50            | 12.50 | 38.10     | 114.30 | 53.98 | 182.56 | 117.48 | 11 | 50.8               | PHP 10-5V1250-J |
|         |                   | 332.74             | A-2         | J              | 335.28            | 13.20 | 38.10     | 114.30 | 53.98 | 182.56 | 117.48 | 11 | 52.6               | PHP 10-5V1320-J |
|         |                   | 353.06             | A-3         | J              | 355.60            | 14.00 | 38.10     | 114.30 | 53.98 | 182.56 | 117.48 | 11 | 59.0               | PHP 10-5V1400-J |
|         |                   | 378.46             | A-3         | J              | 381.00            | 15.00 | 38.10     | 114.30 | 53.98 | 182.56 | 117.48 | 11 | 62.6               | PHP 10-5V1500-J |
|         |                   | 403.86             | A-3         | J              | 406.40            | 16.00 | 38.10     | 114.30 | 53.98 | 182.56 | 117.48 | 11 | 66.2               | PHP 10-5V1600-J |
|         |                   | 472.44             | A-3         | J              | 474.98            | 18.70 | 38.10     | 114.30 | 3.18  | 182.56 | 117.48 | 62 | 71.2               | PHP 10-5V1870-J |
|         |                   | 535.94             | A-3         | J              | 538.48            | 21.20 | 38.10     | 114.30 | 3.18  | 182.56 | 117.48 | 62 | 76.2               | PHP 10-5V2120-J |
|         |                   | 596.90             | A-3         | M              | 599.44            | 23.60 | 50.80     | 139.70 | 8.73  | 182.56 | 171.45 | 2  | 96.6               | PHP 10-5V2360-M |
|         |                   | 708.66             | A-3         | M              | 711.20            | 28.00 | 50.80     | 139.70 | 8.73  | 182.56 | 171.45 | 2  | 108.9              | PHP 10-5V2800-M |
|         |                   | 797.56             | A-3         | M              | 800.10            | 31.50 | 50.80     | 139.70 | 8.73  | 182.56 | 171.45 | 2  | 124.7              | PHP 10-5V3150-M |
|         |                   | 949.96             | A-3         | M              | 952.50            | 37.50 | 50.80     | 139.70 | 8.73  | 182.56 | 171.45 | 2  | 142.9              | PHP 10-5V3750-M |
|         |                   | 1267.46            | A-3         | M              | 1270.00           | 50.00 | 50.80     | 139.70 | 8.73  | 182.56 | 171.45 | 2  | 207.8              | PHP 10-5V5000-M |
| 8V      | 4                 | 312.42             | D-2         | F              | 317.50            | 12.50 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 34.0               | PHP 4-8V1250-F  |
|         |                   | 330.20             | D-2         | F              | 335.28            | 13.20 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 36.7               | PHP 4-8V1320-F  |
|         |                   | 350.52             | D-3         | F              | 355.60            | 14.00 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 39.5               | PHP 4-8V1400-F  |
|         |                   | 375.92             | D-3         | F              | 381.00            | 15.00 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 41.3               | PHP 4-8V1500-F  |
|         |                   | 401.32             | D-3         | F              | 406.40            | 16.00 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 43.5               | PHP 4-8V1600-F  |
|         |                   | 426.72             | D-3         | F              | 431.80            | 17.00 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 47.2               | PHP 4-8V1700-F  |
|         |                   | 452.12             | D-3         | F              | 457.20            | 18.00 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 51.7               | PHP 4-8V1800-F  |
|         |                   | 477.52             | D-3         | F              | 482.60            | 19.00 | 25.40     | 101.60 | 3.97  | 123.83 | 95.25  | 33 | 54.9               | PHP 4-8V1900-F  |
|         |                   | 502.92             | D-3         | J              | 508.00            | 20.00 | 38.10     | 114.30 | -     | 123.83 | 117.48 | 6  | 61.7               | PHP 4-8V2000-J  |
|         |                   | 533.40             | D-3         | J              | 538.48            | 21.20 | 38.10     | 114.30 | -     | 123.83 | 117.48 | 6  | 65.8               | PHP 4-8V2120-J  |
|         |                   | 563.88             | D-3         | J              | 568.96            | 22.40 | 38.10     | 114.30 | -     | 123.83 | 117.48 | 6  | 69.9               | PHP 4-8V2240-J  |
|         |                   | 624.84             | C-3         | M              | 629.92            | 24.80 | 50.80     | 139.70 | 19.84 | 123.83 | 171.45 | 28 | 79.8               | PHP 4-8V2480-M  |
|         |                   | 756.92             | C-3         | M              | 762.00            | 30.00 | 50.80     | 139.70 | 19.84 | 123.83 | 171.45 | 28 | 101.6              | PHP 4-8V3000-M  |
|         |                   | 896.62             | C-3         | M              | 901.70            | 35.50 | 50.80     | 139.70 | 19.84 | 123.83 | 171.45 | 28 | 121.1              | PHP 4-8V3550-M  |
|         |                   | 1010.92            | C-3         | M              | 1016.00           | 40.00 | 50.80     | 139.70 | 19.84 | 123.83 | 171.45 | 28 | 140.6              | PHP 4-8V4000-M  |
|         |                   | 1125.22            | C-3         | M              | 1130.30           | 44.50 | 50.80     | 139.70 | 19.84 | 123.83 | 171.45 | 28 | 164.7              | PHP 4-8V4450-M  |
|         |                   | 1341.12            | C-3         | M              | 1346.20           | 53.00 | 50.80     | 139.70 | 19.84 | 123.83 | 171.45 | 28 | 198.2              | PHP 4-8V5300-M  |
| 8V      | 5                 | 312.42             | A-2         | F              | 317.50            | 12.50 | 25.40     | 101.60 | 24.61 | 152.40 | 95.25  | 33 | 37.2               | PHP 5-8V1250-F  |
|         |                   | 330.20             | A-2         | F              | 335.28            | 13.20 | 25.40     | 101.60 | 24.61 | 152.40 | 95.25  | 33 | 40.4               | PHP 5-8V1320-F  |
|         |                   | 350.52             | A-3         | F              | 355.60            | 14.00 | 25.40     | 101.60 | 24.61 | 152.40 | 95.25  | 33 | 44.9               | PHP 5-8V1400-F  |
|         |                   | 375.92             | A-3         | F              | 381.00            | 15.00 | 25.40     | 101.60 | 24.61 | 152.40 | 95.25  | 33 | 46.7               | PHP 5-8V1500-F  |
|         |                   | 401.32             | A-3         | F              | 406.40            | 16.00 | 25.40     | 101.60 | 24.61 | 152.40 | 95.25  | 33 | 50.4               | PHP 5-8V1600-F  |
|         |                   | 426.72             | A-3         | J              | 431.80            | 17.00 | 38.10     | 114.30 | 14.29 | 152.40 | 117.48 | 21 | 54.0               | PHP 5-8V1700-J  |
|         |                   | 452.12             | A-3         | J              | 457.20            | 18.00 | 38.10     | 114.30 | 14.29 | 152.40 | 117.48 | 21 | 59.4               | PHP 5-8V1800-J  |
|         |                   | 477.52             | A-3         | J              | 482.60            | 19.00 | 38.10     | 114.30 | 14.29 | 152.40 | 117.48 | 21 | 64.4               | PHP 5-8V1900-J  |
|         |                   | 502.92             | A-3         | J              | 508.00            | 20.00 | 38.10     | 114.30 | 14.29 | 152.40 | 117.48 | 21 | 68.5               | PHP 5-8V2000-J  |
|         |                   | 533.40             | A-3         | J              | 538.48            | 21.20 | 38.10     | 114.30 | 14.29 | 152.40 | 117.48 | 21 | 75.8               | PHP 5-8V2120-J  |
|         |                   | 563.88             | B-3         | M              | 568.96            | 22.40 | 50.80     | 139.70 | 8.73  | 152.40 | 171.45 | 28 | 80.7               | PHP 5-8V2240-M  |
|         |                   | 624.84             | B-3         | M              | 629.92            | 24.80 | 50.80     | 139.70 | 8.73  | 152.40 | 171.45 | 28 | 91.2               | PHP 5-8V2480-M  |
|         |                   | 756.92             | B-3         | M              | 762.00            | 30.00 | 50.80     | 139.70 | 8.73  | 152.40 | 171.45 | 28 | 110.2              | PHP 5-8V3000-M  |
|         |                   | 896.62             | B-3         | M              | 901.70            | 35.50 | 50.80     | 139.70 | 8.73  | 152.40 | 171.45 | 28 | 126.1              | PHP 5-8V3550-M  |
|         |                   | 1010.92            | B-3         | M              | 1016.00           | 40.00 | 50.80     | 139.70 | 8.73  | 152.40 | 171.45 | 28 | 154.2              | PHP 5-8V4000-M  |

<sup>1)</sup> Mass does not include bushings.

# Narrow wedge belt pulleys 8V QD bushed



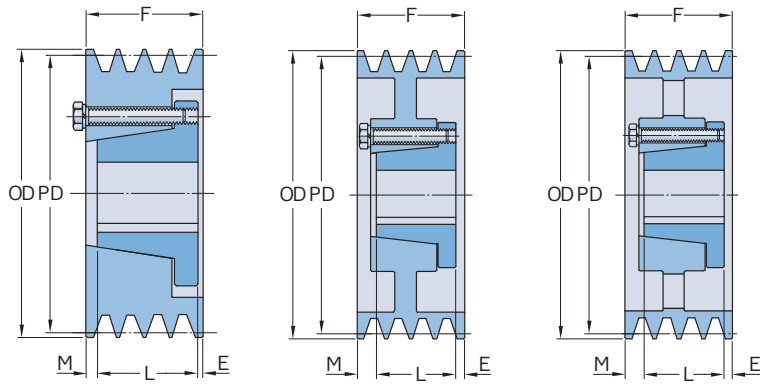
Type D-2

Type D-3

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions     |       | B Min. | Max.   | F     | E      | L      | M   | Mass <sup>2)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|----------------|-------|--------|--------|-------|--------|--------|-----|--------------------|-----------------|
|         |                   |                    |             |                | Outer diameter | OD    |        |        |       |        |        |     |                    |                 |
| –       | –                 | mm                 | –           | –              | mm             | in.   |        |        |       |        |        |     | kg                 | –               |
| 8V      | 5                 | 1125.22            | C-3         | N              | 1130.30        | 44.50 | 61.91  | 138.11 | 28.58 | 152.40 | 206.38 | 25  | 189.6              | PHP 5-8V4450-N  |
|         |                   | 1341.12            | C-3         | N              | 1346.20        | 53.00 | 61.91  | 138.11 | 28.58 | 152.40 | 206.38 | 25  | 225.0              | PHP 5-8V5300-N  |
| 8V      | 6                 | 312.42             | A-2         | F              | 317.50         | 12.50 | 25.40  | 101.60 | 24.61 | 180.98 | 95.25  | 61  | 40.8               | PHP 6-8V1250-F  |
|         |                   | 330.20             | A-2         | F              | 335.28         | 13.20 | 25.40  | 101.60 | 24.61 | 180.98 | 95.25  | 61  | 44.5               | PHP 6-8V1320-F  |
|         |                   | 350.52             | A-3         | F              | 355.60         | 14.00 | 25.40  | 101.60 | 24.61 | 180.98 | 95.25  | 61  | 50.8               | PHP 6-8V1400-F  |
|         |                   | 375.92             | A-2         | J              | 381.00         | 15.00 | 38.10  | 114.30 | 28.58 | 180.98 | 117.48 | 35  | 55.8               | PHP 6-8V1500-J  |
|         |                   | 401.32             | A-3         | J              | 406.40         | 16.00 | 38.10  | 114.30 | 28.58 | 180.98 | 117.48 | 35  | 58.5               | PHP 6-8V1600-J  |
|         |                   | 426.72             | A-3         | J              | 431.80         | 17.00 | 38.10  | 114.30 | 28.58 | 180.98 | 117.48 | 35  | 61.7               | PHP 6-8V1700-J  |
|         |                   | 452.12             | A-3         | J              | 457.20         | 18.00 | 38.10  | 114.30 | 28.58 | 180.98 | 117.48 | 35  | 64.9               | PHP 6-8V1800-J  |
|         |                   | 477.52             | A-3         | J              | 482.60         | 19.00 | 38.10  | 114.30 | 28.58 | 180.98 | 117.48 | 35  | 71.2               | PHP 6-8V1900-J  |
|         |                   | 502.92             | B-3         | M              | 508.00         | 20.00 | 50.80  | 139.70 | 34.13 | 180.98 | 171.45 | 25  | 81.2               | PHP 6-8V2000-M  |
|         |                   | 533.40             | B-3         | M              | 538.48         | 21.20 | 50.80  | 139.70 | 34.13 | 180.98 | 171.45 | 25  | 87.5               | PHP 6-8V2120-M  |
|         |                   | 563.88             | B-3         | M              | 568.96         | 22.40 | 50.80  | 139.70 | 34.13 | 180.98 | 171.45 | 25  | 93.0               | PHP 6-8V2240-M  |
|         |                   | 624.84             | A-3         | M              | 629.92         | 24.80 | 50.80  | 139.70 | 8.73  | 180.98 | 171.45 | 1   | 106.6              | PHP 6-8V2480-M  |
|         |                   | 756.92             | A-3         | M              | 762.00         | 30.00 | 50.80  | 139.70 | 8.73  | 180.98 | 171.45 | 1   | 129.3              | PHP 6-8V3000-M  |
|         |                   | 896.62             | C-3         | N              | 901.70         | 35.50 | 61.91  | 138.11 | 23.81 | 180.98 | 206.38 | 2   | 154.2              | PHP 6-8V3550-N  |
|         |                   | 1010.92            | C-3         | N              | 1016.00        | 40.00 | 61.91  | 138.11 | 23.81 | 180.98 | 206.38 | 2   | 178.7              | PHP 6-8V4000-N  |
|         | 8                 | 1125.22            | C-3         | N              | 1130.30        | 44.50 | 61.91  | 138.11 | 23.81 | 180.98 | 206.38 | 2   | 221.8              | PHP 6-8V4450-N  |
|         |                   | 1341.12            | C-3         | N              | 1346.20        | 53.00 | 61.91  | 138.11 | 23.81 | 180.98 | 206.38 | 2   | 264.9              | PHP 6-8V5300-N  |
|         |                   | 312.42             | A-1         | J              | 317.50         | 12.50 | 38.10  | 114.30 | 53.98 | 238.13 | 117.48 | 67  | 59.4               | PHP 8-8V1250-J  |
|         |                   | 330.20             | A-1         | J              | 335.28         | 13.20 | 38.10  | 114.30 | 53.98 | 238.13 | 117.48 | 67  | 72.6               | PHP 8-8V1320-J  |
|         |                   | 350.52             | A-2         | J              | 355.60         | 14.00 | 38.10  | 114.30 | 53.98 | 238.13 | 117.48 | 67  | 79.4               | PHP 8-8V1400-J  |
|         |                   | 375.92             | A-2         | J              | 381.00         | 15.00 | 38.10  | 114.30 | 53.98 | 238.13 | 117.48 | 67  | 84.4               | PHP 8-8V1500-J  |
|         |                   | 401.32             | A-2         | J              | 406.40         | 16.00 | 38.10  | 114.30 | 53.98 | 238.13 | 117.48 | 67  | 95.3               | PHP 8-8V1600-J  |
|         |                   | 426.72             | A-2         | M              | 431.80         | 17.00 | 50.80  | 139.70 | 59.53 | 238.13 | 171.45 | 7   | 100.2              | PHP 8-8V1700-M  |
|         |                   | 452.12             | A-2         | M              | 457.20         | 18.00 | 50.80  | 139.70 | 59.53 | 238.13 | 171.45 | 7   | 106.6              | PHP 8-8V1800-M  |
|         |                   | 477.52             | A-3         | M              | 482.60         | 19.00 | 50.80  | 139.70 | 59.53 | 238.13 | 171.45 | 7   | 113.4              | PHP 8-8V1900-M  |
|         |                   | 502.92             | A-3         | M              | 508.00         | 20.00 | 50.80  | 139.70 | 59.53 | 238.13 | 171.45 | 7   | 120.2              | PHP 8-8V2000-M  |
|         |                   | 533.40             | A-3         | M              | 538.48         | 21.20 | 50.80  | 139.70 | 59.53 | 238.13 | 171.45 | 7   | 127.0              | PHP 8-8V2120-M  |
|         | 10                | 563.88             | A-3         | M              | 568.96         | 22.40 | 50.80  | 139.70 | 59.53 | 238.13 | 171.45 | 7   | 133.8              | PHP 8-8V2240-M  |
|         |                   | 624.84             | A-2         | N              | 629.92         | 24.80 | 61.91  | 138.11 | 4.76  | 238.13 | 206.38 | 17  | 145.2              | PHP 8-8V2480-N  |
|         |                   | 756.92             | A-3         | N              | 762.00         | 30.00 | 61.91  | 138.11 | 4.76  | 238.13 | 206.38 | 17  | 170.1              | PHP 8-8V3000-N  |
|         |                   | 896.62             | A-3         | N              | 901.70         | 35.50 | 61.91  | 138.11 | 4.76  | 238.13 | 206.38 | 17  | 200.5              | PHP 8-8V3550-N  |
|         |                   | 1010.92            | A-3         | N              | 1016.00        | 40.00 | 61.91  | 138.11 | 4.76  | 238.13 | 206.38 | 17  | 240.4              | PHP 8-8V4000-N  |
|         |                   | 1125.22            | B-3         | P              | 1130.30        | 44.50 | 74.61  | 177.80 | 6.35  | 238.13 | 238.13 | 6   | 276.7              | PHP 8-8V4450-P  |
| 8V      | 10                | 1341.12            | B-3         | P              | 1346.20        | 53.00 | 74.61  | 177.80 | 6.35  | 238.13 | 238.13 | 6   | 360.6              | PHP 8-8V5300-P  |
|         |                   | 312.42             | A-1         | J              | 317.50         | 12.50 | 38.10  | 114.30 | 53.98 | 295.28 | 117.48 | 131 | 70.3               | PHP 10-8V1250-J |
|         |                   | 330.20             | A-1         | J              | 335.28         | 13.20 | 38.10  | 114.30 | 53.98 | 295.28 | 117.48 | 131 | 86.2               | PHP 10-8V1320-J |
|         |                   | 350.52             | A-1         | J              | 355.60         | 14.00 | 38.10  | 114.30 | 53.98 | 295.28 | 117.48 | 131 | 95.3               | PHP 10-8V1400-J |
|         |                   | 375.92             | A-1         | M              | 381.00         | 15.00 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 120.7              | PHP 10-8V1500-M |
|         |                   | 401.32             | A-2         | M              | 406.40         | 16.00 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 116.1              | PHP 10-8V1600-M |
|         |                   | 426.72             | A-1         | M              | 431.80         | 17.00 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 127.5              | PHP 10-8V1700-M |
|         |                   | 452.12             | A-2         | M              | 457.20         | 18.00 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 131.5              | PHP 10-8V1800-M |
|         |                   | 477.52             | A-2         | M              | 482.60         | 19.00 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 136.5              | PHP 10-8V1900-M |
|         |                   | 502.92             | A-2         | M              | 508.00         | 20.00 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 147.4              | PHP 10-8V2000-M |
|         |                   | 533.40             | A-2         | M              | 538.48         | 21.20 | 50.80  | 139.70 | 59.53 | 295.28 | 171.45 | 64  | 154.2              | PHP 10-8V2120-M |
|         |                   | 563.88             | A-2         | N              | 568.96         | 22.40 | 61.91  | 138.11 | 4.76  | 295.28 | 206.38 | 84  | 165.6              | PHP 10-8V2240-N |
|         |                   | 624.84             | A-2         | N              | 629.92         | 24.80 | 61.91  | 138.11 | 4.76  | 295.28 | 206.38 | 84  | 176.9              | PHP 10-8V2480-N |
|         |                   | 756.92             | A-3         | N              | 762.00         | 30.00 | 61.91  | 138.11 | 4.76  | 295.28 | 206.38 | 84  | 197.3              | PHP 10-8V3000-N |
|         |                   | 896.62             | A-2         | P              | 901.70         | 35.50 | 74.61  | 177.80 | 6.35  | 295.28 | 238.13 | 51  | 230.0              | PHP 10-8V3550-P |
|         |                   | 1010.92            | A-3         | P              | 1016.00        | 40.00 | 74.61  | 177.80 | 6.35  | 295.28 | 238.13 | 51  | 279.0              | PHP 10-8V4000-P |
|         |                   | 1125.22            | A-2         | P              | 1130.30        | 44.50 | 74.61  | 177.80 | 6.35  | 295.28 | 238.13 | 51  | 322.1              | PHP 10-8V4450-P |

<sup>1)</sup> Mass does not include bushings.

Narrow wedge belt pulleys  
8V QD bushed



Type A-1

Type A-2

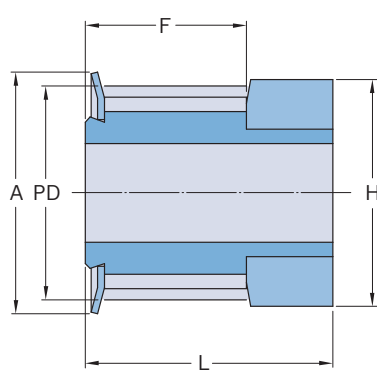
Type A-3

| Section | Number of grooves | Pitch diameter PCD | Pulley type | Bushing number | Dimensions        |       | Bore  |        | E     | F      | L      | M   | Mass <sup>1)</sup> | Designation     |
|---------|-------------------|--------------------|-------------|----------------|-------------------|-------|-------|--------|-------|--------|--------|-----|--------------------|-----------------|
|         |                   | mm                 |             |                | Outer diameter OD | in.   | Min.  | Max.   |       |        |        |     | kg                 |                 |
| 8V      | 10                | 1341.12            | A-3         | P              | 1346.20           | 53.00 | 74.61 | 177.80 | 6.35  | 295.28 | 238.13 | 51  | 428.6              | PHP 10-8V5300-P |
| 8V      | 12                | 312.42             | A-1         | M              | 317.50            | 12.50 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 88.5               | PHP 12-8V1250-M |
|         |                   | 330.20             | A-1         | M              | 335.28            | 13.20 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 104.3              | PHP 12-8V1320-M |
|         |                   | 350.52             | A-1         | M              | 355.60            | 14.00 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 113.4              | PHP 12-8V1400-M |
|         |                   | 375.92             | A-1         | M              | 381.00            | 15.00 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 121.6              | PHP 12-8V1500-M |
|         |                   | 401.32             | A-1         | M              | 406.40            | 16.00 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 134.3              | PHP 12-8V1600-M |
|         |                   | 426.72             | A-1         | M              | 431.80            | 17.00 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 154.7              | PHP 12-8V1700-M |
|         |                   | 452.12             | A-1         | M              | 457.20            | 18.00 | 50.80 | 139.70 | 59.53 | 339.73 | 171.45 | 121 | 156.5              | PHP 12-8V1800-M |
|         |                   | 477.52             | A-1         | N              | 482.60            | 19.00 | 61.91 | 138.11 | 4.76  | 339.73 | 206.38 | 141 | 159.7              | PHP 12-8V1900-N |
|         |                   | 502.92             | A-1         | N              | 508.00            | 20.00 | 61.91 | 138.11 | 4.76  | 339.73 | 206.38 | 141 | 174.6              | PHP 12-8V2000-N |
|         |                   | 533.40             | A-1         | N              | 538.48            | 21.20 | 61.91 | 138.11 | 4.76  | 339.73 | 206.38 | 141 | 181.4              | PHP 12-8V2120-N |
|         |                   | 563.88             | A-1         | N              | 568.96            | 22.40 | 61.91 | 138.11 | 4.76  | 339.73 | 206.38 | 141 | 197.3              | PHP 12-8V2240-N |
|         |                   | 624.84             | A-1         | N              | 629.92            | 24.80 | 61.91 | 138.11 | 4.76  | 339.73 | 206.38 | 141 | 208.7              | PHP 12-8V2480-N |
|         |                   | 756.92             | A-2         | P              | 762.00            | 30.00 | 74.61 | 177.80 | 6.35  | 339.73 | 238.13 | 108 | 224.5              | PHP 12-8V3000-P |
|         |                   | 896.62             | A-2         | P              | 901.70            | 35.50 | 74.61 | 177.80 | 6.35  | 339.73 | 238.13 | 108 | 259.5              | PHP 12-8V3550-P |
|         |                   | 1010.92            | A-2         | P              | 1016.00           | 40.00 | 74.61 | 177.80 | 6.35  | 339.73 | 238.13 | 108 | 317.5              | PHP 12-8V4000-P |
|         |                   | 1125.22            | A-2         | P              | 1130.30           | 44.50 | 74.61 | 177.80 | 6.35  | 339.73 | 238.13 | 108 | 374.2              | PHP 12-8V4450-P |
|         |                   | 1341.12            | A-2         | P              | 1346.20           | 53.00 | 74.61 | 177.80 | 6.35  | 339.73 | 238.13 | 108 | 489.9              | PHP 12-8V5300-P |

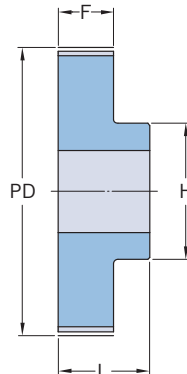
<sup>1)</sup> Mass does not include bushings.

# HTD pulleys

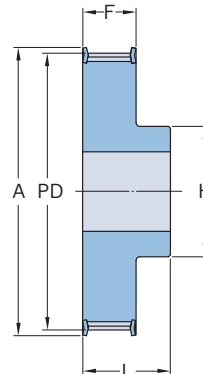
3 mm pitch pilot bore (RSB) | 5 mm pitch pilot bore (RSB)



Type 0F



Type 1

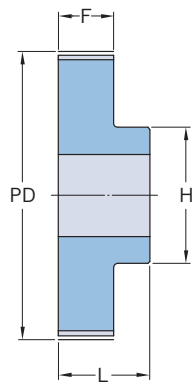


Type 1F

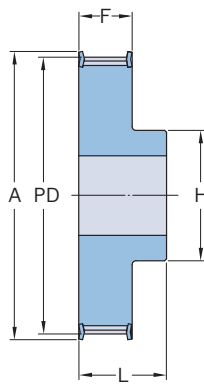
| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions | Outer diameter OD | A    | B    |      | F    | K    | L    | M    | H               | Mass            | Designation |
|-------|------------|--------------------|-----------------|-------------|------------|-------------------|------|------|------|------|------|------|------|-----------------|-----------------|-------------|
|       |            |                    |                 |             |            |                   |      | Min. | Max. |      |      |      |      |                 |                 |             |
| mm    |            |                    | —               | —           | mm         |                   |      |      |      |      |      |      |      |                 | kg              | —           |
| 3     | 09         | 9.55               | 10              | 0F          | 8.79       | 13.0              | —    | 4.0  | 10.2 | —    | 17.5 | —    | 13.0 | 0.04            | PHP 10-3M-09RSB |             |
|       |            | 11.46              | 12              | 0F          | 10.70      | 15.0              | —    | 6.0  | 10.2 | —    | 17.5 | —    | 15.0 | 0.06            | PHP 12-3M-09RSB |             |
|       |            | 13.37              | 14              | 0F          | 12.61      | 16.0              | —    | 7.0  | 10.2 | —    | 17.5 | —    | 16.0 | 0.07            | PHP 14-3M-09RSB |             |
|       |            | 14.32              | 15              | 0F          | 13.56      | 17.5              | —    | 8.0  | 10.2 | —    | 17.5 | —    | 17.5 | 0.08            | PHP 15-3M-09RSB |             |
|       |            | 15.28              | 16              | 1F          | 14.52      | 18.0              | 4    | 6.0  | 12.8 | —    | 20.6 | —    | 10.0 | 0.07            | PHP 16-3M-09RSB |             |
|       |            | 17.19              | 18              | 1F          | 16.43      | 19.5              | 6    | 6.5  | 12.8 | —    | 20.6 | —    | 11.0 | 0.08            | PHP 18-3M-09RSB |             |
|       |            | 19.10              | 20              | 1F          | 18.34      | 23.0              | 6    | 8.0  | 12.8 | —    | 20.6 | —    | 13.0 | 0.01            | PHP 20-3M-09RSB |             |
|       |            | 20.05              | 21              | 1F          | 19.29      | 25.0              | 6    | 8.5  | 12.8 | —    | 20.6 | —    | 14.0 | 0.01            | PHP 21-3M-09RSB |             |
|       |            | 21.01              | 22              | 1F          | 20.25      | 25.0              | 6    | 8.5  | 12.8 | —    | 20.6 | —    | 14.0 | 0.01            | PHP 22-3M-09RSB |             |
|       |            | 22.92              | 24              | 1F          | 22.16      | 25.0              | 6    | 8.5  | 12.8 | —    | 20.6 | —    | 14.0 | 0.02            | PHP 24-3M-09RSB |             |
|       | 24.83      | 26                 | 1F              | 24.07       | 28.0       | 6                 | 10.5 | 12.8 | —    | 20.6 | —    | 16.0 | 0.02 | PHP 26-3M-09RSB |                 |             |
|       | 26.74      | 28                 | 1F              | 25.98       | 32.0       | 6                 | 11.5 | 12.8 | —    | 20.6 | —    | 18.0 | 0.02 | PHP 28-3M-09RSB |                 |             |
|       | 28.65      | 30                 | 1F              | 27.89       | 32.0       | 6                 | 12.5 | 12.8 | —    | 20.6 | —    | 20.0 | 0.03 | PHP 30-3M-09RSB |                 |             |
|       | 30.56      | 32                 | 1F              | 29.80       | 36.0       | 6                 | 14.0 | 12.8 | —    | 20.6 | —    | 22.0 | 0.03 | PHP 32-3M-09RSB |                 |             |
|       | 34.38      | 36                 | 1F              | 33.62       | 38.0       | 6                 | 17.0 | 13.4 | —    | 22.2 | —    | 26.0 | 0.05 | PHP 36-3M-09RSB |                 |             |
|       | 38.20      | 40                 | 1F              | 37.44       | 42.0       | 6                 | 19.0 | 13.4 | —    | 22.2 | —    | 28.0 | 0.06 | PHP 40-3M-09RSB |                 |             |
|       | 42.02      | 44                 | 1F              | 41.26       | 48.0       | 6                 | 22.5 | 13.4 | —    | 22.2 | —    | 33.0 | 0.07 | PHP 44-3M-09RSB |                 |             |
|       | 45.84      | 48                 | 1               | 45.08       | —          | 8                 | 22.5 | 13.4 | —    | 22.2 | —    | 33.0 | 0.07 | PHP 48-3M-09RSB |                 |             |
|       | 57.30      | 60                 | 1               | 56.54       | —          | 8                 | 22.5 | 13.4 | —    | 22.2 | —    | 33.0 | 0.11 | PHP 60-3M-09RSB |                 |             |
|       | 68.75      | 72                 | 1               | 67.99       | —          | 8                 | 22.5 | 13.4 | —    | 22.2 | —    | 33.0 | 0.14 | PHP 72-3M-09RSB |                 |             |
| 3     | 15         | 9.55               | 10              | 0F          | 8.79       | 13.0              | —    | 3.0  | 17.0 | —    | 26.0 | —    | 13.0 | 0.04            | PHP 10-3M-15RSB |             |
|       |            | 11.46              | 12              | 0F          | 10.70      | 15.0              | —    | 5.0  | 17.0 | —    | 26.0 | —    | 15.0 | 0.06            | PHP 12-3M-15RSB |             |
|       |            | 13.37              | 14              | 0F          | 12.61      | 16.0              | —    | 6.0  | 17.0 | —    | 26.0 | —    | 16.0 | 0.07            | PHP 14-3M-15RSB |             |
|       |            | 14.32              | 15              | 0F          | 13.56      | 17.5              | —    | 6.0  | 17.0 | —    | 26.0 | —    | 17.5 | 0.08            | PHP 15-3M-15RSB |             |
|       |            | 15.28              | 16              | 1F          | 14.52      | 18.0              | 4    | 7.0  | 19.5 | —    | 26.0 | —    | 10.0 | 0.07            | PHP 16-3M-15RSB |             |
|       |            | 17.19              | 18              | 1F          | 16.43      | 19.5              | 6    | 8.0  | 19.5 | —    | 26.0 | —    | 11.0 | 0.08            | PHP 18-3M-15RSB |             |
|       |            | 19.10              | 20              | 1F          | 18.34      | 23.0              | 6    | 9.0  | 19.5 | —    | 26.0 | —    | 13.0 | 0.01            | PHP 20-3M-15RSB |             |
|       |            | 20.05              | 21              | 1F          | 19.29      | 25.0              | 6    | 9.0  | 19.5 | —    | 26.0 | —    | 14.0 | 0.01            | PHP 21-3M-15RSB |             |
|       |            | 21.01              | 22              | 1F          | 20.25      | 25.0              | 6    | 9.0  | 19.5 | —    | 26.0 | —    | 14.0 | 0.01            | PHP 22-3M-15RSB |             |
|       |            | 22.92              | 24              | 1F          | 22.16      | 25.0              | 6    | 9.0  | 19.5 | —    | 26.0 | —    | 14.0 | 0.02            | PHP 24-3M-15RSB |             |
|       | 24.83      | 26                 | 1F              | 24.07       | 28.0       | 6                 | 11.0 | 19.5 | —    | 26.0 | —    | 16.0 | 0.02 | PHP 26-3M-15RSB |                 |             |
|       | 26.74      | 28                 | 1F              | 25.98       | 32.0       | 6                 | 12.0 | 19.5 | —    | 26.0 | —    | 18.0 | 0.02 | PHP 28-3M-15RSB |                 |             |
|       | 28.65      | 30                 | 1F              | 27.89       | 32.0       | 6                 | 14.0 | 19.5 | —    | 26.0 | —    | 20.0 | 0.03 | PHP 30-3M-15RSB |                 |             |
|       | 30.56      | 32                 | 1F              | 29.80       | 36.0       | 6                 | 15.0 | 19.5 | —    | 26.0 | —    | 22.0 | 0.03 | PHP 32-3M-15RSB |                 |             |
|       | 34.38      | 36                 | 1F              | 33.62       | 38.0       | 6                 | 16.0 | 20.0 | —    | 30.0 | —    | 26.0 | 0.05 | PHP 36-3M-15RSB |                 |             |
|       | 38.20      | 40                 | 1F              | 37.44       | 42.0       | 6                 | 18.0 | 20.0 | —    | 30.0 | —    | 28.0 | 0.06 | PHP 40-3M-15RSB |                 |             |
|       | 42.02      | 44                 | 1F              | 41.26       | 48.0       | 6                 | 20.0 | 20.0 | —    | 30.0 | —    | 33.0 | 0.07 | PHP 44-3M-15RSB |                 |             |
|       | 45.84      | 48                 | 1               | 45.08       | —          | 8                 | 20.0 | 20.0 | —    | 30.0 | —    | 33.0 | 0.07 | PHP 48-3M-15RSB |                 |             |
|       | 57.30      | 60                 | 1               | 56.54       | —          | 8                 | 20.0 | 20.0 | —    | 30.0 | —    | 33.0 | 0.11 | PHP 60-3M-15RSB |                 |             |
|       | 68.75      | 72                 | 1               | 67.99       | —          | 8                 | 20.0 | 20.0 | —    | 30.0 | —    | 33.0 | 0.14 | PHP 72-3M-15RSB |                 |             |
| 5     | 09         | 19.10              | 12              | 1F          | 17.96      | 25.0              | 4    | 8.0  | 14.5 | —    | 20.0 | —    | 13.0 | 0.03            | PHP 12-5M-09RSB |             |
|       |            | 22.28              | 14              | 1F          | 21.14      | 25.0              | 6    | 9.0  | 14.5 | —    | 20.0 | —    | 13.0 | 0.03            | PHP 14-5M-09RSB |             |
|       |            | 23.87              | 15              | 1F          | 22.73      | 28.0              | 6    | 11.0 | 14.5 | —    | 20.0 | —    | 16.0 | 0.04            | PHP 15-5M-09RSB |             |
|       |            | 25.46              | 16              | 1F          | 24.32      | 28.0              | 6    | 11.0 | 14.5 | —    | 20.0 | —    | 16.0 | 0.05            | PHP 16-5M-09RSB |             |
|       |            | 28.65              | 18              | 1F          | 27.51      | 32.0              | 6    | 13.0 | 14.5 | —    | 20.0 | —    | 19.0 | 0.07            | PHP 18-5M-09RSB |             |
|       |            | 31.83              | 20              | 1F          | 30.69      | 36.0              | 6    | 14.0 | 14.5 | —    | 22.5 | —    | 23.0 | 0.09            | PHP 20-5M-09RSB |             |
|       |            | 33.42              | 21              | 1F          | 32.28      | 38.0              | 6    | 15.0 | 14.5 | —    | 22.5 | —    | 24.0 | 0.11            | PHP 21-5M-09RSB |             |
|       |            | 35.01              | 22              | 1F          | 33.87      | 38.0              | 6    | 16.0 | 14.5 | —    | 22.5 | —    | 25.5 | 0.12            | PHP 22-5M-09RSB |             |
|       | 38.20      | 24                 | 1F              | 37.06       | 42.0       | 6                 | 18.0 | 14.5 | —    | 22.5 | —    | 27.0 | 0.15 | PHP 24-5M-09RSB |                 |             |
|       | 41.38      | 26                 | 1F              | 40.24       | 44.0       | 6                 | 20.0 | 14.5 | —    | 22.5 | —    | 30.0 | 0.17 | PHP 26-5M-09RSB |                 |             |
|       | 44.56      | 28                 | 1F              | 43.42       | 48.0       | 6                 | 20.0 | 14.5 | —    | 22.5 | —    | 30.5 | 0.20 | PHP 28-5M-09RSB |                 |             |
|       | 47.75      | 30                 | 1F              | 46.60       | 51.0       | 6                 | 24.0 | 14.5 | —    | 22.5 | —    | 35.0 | 0.24 | PHP 30-5M-09RSB |                 |             |
|       | 50.93      | 32                 | 1F              | 49.79       | 54.0       | 8                 | 26.0 | 14.5 | —    | 22.5 | —    | 38.0 | 0.27 | PHP 32-5M-09RSB |                 |             |
|       | 57.30      | 36                 | 1F              | 56.16       | 60.0       | 8                 | 26.0 | 14.5 | —    | 22.5 | —    | 38.0 | 0.32 | PHP 36-5M-09RSB |                 |             |

## HTD pulleys

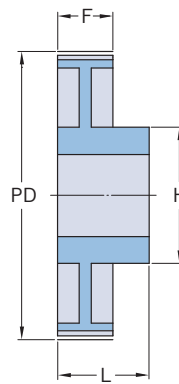
5 mm pitch pilot bore (RSB) | 8 mm pitch pilot bore (RSB)



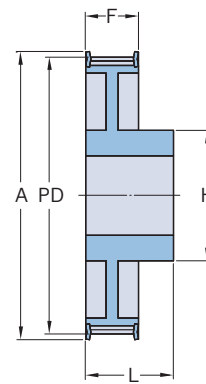
Type 1



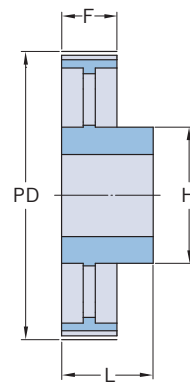
Type 1F



Type 2



Type 2F



Type 5

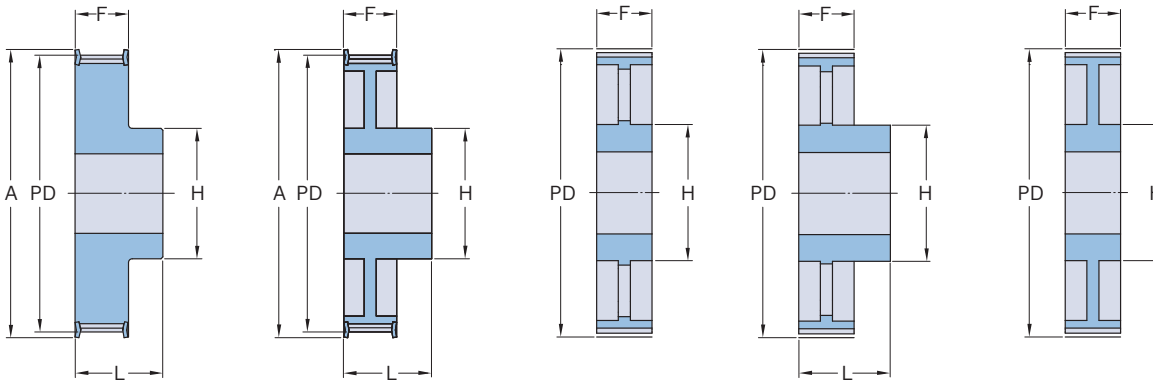
| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions | Outer diameter OD | A  | B Min. | Max. | F | K | L    | M   | H    | Mass | Designation     |
|-------|------------|--------------------|-----------------|-------------|------------|-------------------|----|--------|------|---|---|------|-----|------|------|-----------------|
| mm    |            |                    | –               | –           | mm         |                   |    |        |      |   |   |      |     |      | kg   | –               |
| 5     | 09         | 63.66              | 40              | 1F          | 62.52      | 71.0              | 8  | 26.0   | 14.5 | – | – | 22.5 | –   | 38.0 | 0.40 | PHP 40-5M-09RSB |
|       |            | 70.03              | 44              | 2           | 68.89      | –                 | 8  | 26.0   | 14.5 | – | – | 25.5 | –   | 38.0 | 0.17 | PHP 44-5M-09RSB |
|       |            | 76.39              | 48              | 2           | 75.25      | –                 | 8  | 26.0   | 14.5 | – | – | 25.5 | –   | 38.0 | 0.18 | PHP 48-5M-09RSB |
|       |            | 95.49              | 60              | 2           | 94.35      | –                 | 8  | 30.0   | 14.5 | – | – | 25.5 | –   | 45.0 | 0.23 | PHP 60-5M-09RSB |
|       |            | 114.59             | 72              | 2           | 113.45     | –                 | 8  | 30.0   | 14.5 | – | – | 25.5 | –   | 45.0 | 0.27 | PHP 72-5M-09RSB |
|       | 15         | 19.10              | 12              | 1F          | 17.96      | 25.0              | 4  | 8.0    | 20.5 | – | – | 26.0 | –   | 13.0 | 0.03 | PHP 12-5M-15RSB |
|       |            | 22.28              | 14              | 1F          | 21.14      | 25.0              | 6  | 9.0    | 20.5 | – | – | 26.0 | –   | 13.0 | 0.05 | PHP 14-5M-15RSB |
|       |            | 23.87              | 15              | 1F          | 22.73      | 28.0              | 6  | 11.0   | 20.5 | – | – | 26.0 | –   | 16.0 | 0.06 | PHP 15-5M-15RSB |
|       |            | 25.46              | 16              | 1F          | 24.32      | 28.0              | 6  | 11.0   | 20.5 | – | – | 26.0 | –   | 16.0 | 0.06 | PHP 16-5M-15RSB |
|       |            | 28.65              | 18              | 1F          | 27.51      | 32.0              | 6  | 13.0   | 20.5 | – | – | 26.0 | –   | 19.0 | 0.09 | PHP 18-5M-15RSB |
|       |            | 31.83              | 20              | 1F          | 30.69      | 36.0              | 6  | 14.0   | 20.5 | – | – | 26.0 | –   | 23.0 | 0.11 | PHP 20-5M-15RSB |
|       |            | 33.42              | 21              | 1F          | 32.28      | 38.0              | 6  | 15.0   | 20.5 | – | – | 26.0 | –   | 24.0 | 0.13 | PHP 21-5M-15RSB |
|       |            | 35.01              | 22              | 1F          | 33.87      | 38.0              | 6  | 16.0   | 20.5 | – | – | 26.0 | –   | 25.5 | 0.14 | PHP 22-5M-15RSB |
|       |            | 38.20              | 24              | 1F          | 37.06      | 42.0              | 6  | 18.0   | 20.5 | – | – | 28.0 | –   | 27.0 | 0.18 | PHP 24-5M-15RSB |
|       |            | 41.38              | 26              | 1F          | 40.24      | 44.0              | 6  | 20.0   | 20.5 | – | – | 28.0 | –   | 30.0 | 0.22 | PHP 26-5M-15RSB |
|       |            | 44.56              | 28              | 1F          | 43.42      | 48.0              | 6  | 20.0   | 20.5 | – | – | 28.0 | –   | 30.5 | 0.25 | PHP 28-5M-15RSB |
|       |            | 47.75              | 30              | 1F          | 46.60      | 51.0              | 6  | 24.0   | 20.5 | – | – | 28.0 | –   | 35.0 | 0.30 | PHP 30-5M-15RSB |
|       |            | 50.93              | 32              | 1F          | 49.79      | 54.0              | 8  | 26.0   | 20.5 | – | – | 28.0 | –   | 38.0 | 0.35 | PHP 32-5M-15RSB |
|       |            | 57.30              | 36              | 1F          | 56.16      | 60.0              | 8  | 26.0   | 20.5 | – | – | 28.0 | –   | 38.0 | 0.52 | PHP 36-5M-15RSB |
|       |            | 63.66              | 40              | 1F          | 62.52      | 71.0              | 8  | 26.0   | 20.5 | – | – | 28.0 | –   | 38.0 | 0.43 | PHP 40-5M-15RSB |
| 5     | 25         | 70.03              | 44              | 2           | 68.89      | –                 | 8  | 26.0   | 20.5 | – | – | 30.0 | –   | 38.0 | 0.23 | PHP 44-5M-15RSB |
|       |            | 76.39              | 48              | 2           | 75.25      | –                 | 8  | 26.0   | 20.5 | – | – | 30.0 | –   | 38.0 | 0.19 | PHP 48-5M-15RSB |
|       |            | 95.49              | 60              | 2           | 94.35      | –                 | 8  | 34.0   | 20.5 | – | – | 30.0 | –   | 50.0 | 0.31 | PHP 60-5M-15RSB |
|       |            | 114.59             | 72              | 2           | 113.45     | –                 | 8  | 34.0   | 20.5 | – | – | 30.0 | –   | 50.0 | 0.38 | PHP 72-5M-15RSB |
|       |            | 19.10              | 12              | 1F          | 17.96      | 25.0              | 4  | 8.0    | 30.5 | – | – | 36.0 | 5.5 | 13.0 | 0.05 | PHP 12-5M-25RSB |
|       |            | 22.28              | 14              | 1F          | 21.14      | 25.0              | 6  | 9.0    | 30.5 | – | – | 36.0 | 5.5 | 13.0 | 0.07 | PHP 14-5M-25RSB |
|       |            | 23.87              | 15              | 1F          | 22.73      | 28.0              | 6  | 11.0   | 30.5 | – | – | 36.0 | 5.5 | 16.0 | 0.08 | PHP 15-5M-25RSB |
|       |            | 25.46              | 16              | 1F          | 24.32      | 28.0              | 6  | 11.0   | 30.5 | – | – | 36.0 | 5.5 | 16.0 | 0.10 | PHP 16-5M-25RSB |
|       |            | 28.65              | 18              | 1F          | 27.51      | 32.0              | 6  | 13.0   | 30.5 | – | – | 36.0 | 5.5 | 19.0 | 0.12 | PHP 18-5M-25RSB |
|       |            | 31.83              | 20              | 1F          | 30.69      | 36.0              | 6  | 14.0   | 30.5 | – | – | 36.0 | 5.5 | 23.0 | 0.16 | PHP 20-5M-25RSB |
|       | 20         | 33.42              | 21              | 1F          | 32.28      | 38.0              | 6  | 15.0   | 30.5 | – | – | 38.0 | 7.5 | 24.0 | 0.19 | PHP 21-5M-25RSB |
|       |            | 35.01              | 22              | 1F          | 33.87      | 38.0              | 6  | 16.0   | 30.5 | – | – | 38.0 | 7.5 | 25.5 | 0.21 | PHP 22-5M-25RSB |
|       |            | 38.20              | 24              | 1F          | 37.06      | 42.0              | 6  | 18.0   | 30.5 | – | – | 38.0 | 7.5 | 27.0 | 0.25 | PHP 24-5M-25RSB |
|       |            | 41.38              | 26              | 1F          | 40.24      | 44.0              | 6  | 20.0   | 30.5 | – | – | 38.0 | 7.5 | 30.0 | 0.30 | PHP 26-5M-25RSB |
|       |            | 44.56              | 28              | 1F          | 43.42      | 48.0              | 6  | 20.0   | 30.5 | – | – | 38.0 | 7.5 | 30.5 | 0.35 | PHP 28-5M-25RSB |
|       |            | 47.75              | 30              | 1F          | 46.60      | 51.0              | 6  | 24.0   | 30.5 | – | – | 38.0 | 7.5 | 35.0 | 0.42 | PHP 30-5M-25RSB |
|       |            | 50.93              | 32              | 1F          | 49.79      | 54.0              | 8  | 26.0   | 30.5 | – | – | 38.0 | 7.5 | 38.0 | 0.48 | PHP 32-5M-25RSB |
|       |            | 57.30              | 36              | 1F          | 56.16      | 60.0              | 8  | 26.0   | 30.5 | – | – | 38.0 | 7.5 | 38.0 | 0.59 | PHP 36-5M-25RSB |
|       |            | 63.66              | 40              | 1F          | 62.52      | 71.0              | 8  | 26.0   | 30.5 | – | – | 38.0 | 7.5 | 38.0 | 0.74 | PHP 40-5M-25RSB |
|       |            | 70.03              | 44              | 2           | 68.89      | –                 | 8  | 26.0   | 30.5 | – | – | 40.0 | 9.5 | 38.0 | 0.32 | PHP 44-5M-25RSB |
| 8     | 20         | 76.39              | 48              | 2           | 72.25      | –                 | 8  | 26.0   | 30.5 | – | – | 40.0 | 9.5 | 38.0 | 0.28 | PHP 48-5M-25RSB |
|       |            | 95.49              | 60              | 2           | 94.35      | –                 | 8  | 34.0   | 30.5 | – | – | 40.0 | 9.5 | 50.0 | 0.44 | PHP 60-5M-25RSB |
|       |            | 114.59             | 72              | 2           | 113.45     | –                 | 8  | 34.0   | 30.5 | – | – | 40.0 | 9.5 | 50.0 | 0.53 | PHP 72-5M-25RSB |
|       |            | 127.32             | 80              | 1           | 126.18     | –                 | 8  | 62.0   | 30.5 | – | – | 40.0 | –   | 92.0 | 0.60 | PHP 80-5M-25RSB |
|       |            | 50.93              | 20              | 1F          | 49.56      | 60.0              | 12 | 25.0   | 28.0 | – | – | 38.0 | –   | 38.0 | 0.43 | PHP 20-8M-20RSB |
|       |            | 53.47              | 21              | 1F          | 52.10      | 62.0              | 12 | 27.0   | 28.0 | – | – | 38.0 | –   | 40.0 | 0.49 | PHP 21-8M-20RSB |
|       |            | 56.02              | 22              | 1F          | 54.65      | 65.0              | 12 | 29.0   | 28.0 | – | – | 38.0 | –   | 43.0 | 0.54 | PHP 22-8M-20RSB |
|       |            | 58.57              | 23              | 1F          | 57.20      | 65.0              | 12 | 29.0   | 28.0 | – | – | 38.0 | –   | 45.0 | 0.60 | PHP 23-8M-20RSB |
|       |            | 61.12              | 24              | 1F          | 59.75      | 70.0              | 12 | 30.0   | 28.0 | – | – | 38.0 | –   | 45.0 | 0.65 | PHP 24-8M-20RSB |
|       |            | 63.66              | 25              | 1F          | 62.28      | 71.0              | 12 | 31.0   | 28.0 | – | – | 38.0 | –   | 45.0 | 0.73 | PHP 25-8M-20RSB |
|       | 25         | 66.21              | 26              | 1F          | 64.84      | 75.0              | 12 | 32.0   | 28.0 | – | – | 38.0 | –   | 50.0 | 0.80 | PHP 26-8M-20RSB |
|       |            | 68.75              | 27              | 1F          | 67.39      | 75.0              | 12 | 33.0   | 28.0 | – | – | 38.0 | –   | 50.0 | 0.84 | PHP 27-8M-20RSB |
|       |            | 71.30              | 28              | 1F          | 70.08      | 80.0              | 15 | 34.0   | 28.0 | – | – | 38.0 | –   | 50.0 | 0.87 | PHP 28-8M-20RSB |
|       |            | 73.85              | 29              | 1F          | 72.62      | 85.0              | 15 | 35.0   | 28.0 | – | – | 38.0 | –   | 55.0 | 0.95 | PHP 29-8M-20RSB |

# HTD pulleys 8 mm pitch pilot bore (RSB)

| Pitch  | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions        |       |        |      |      |      |       |       |                  |       | Mass             | Designation |                 |
|--------|------------|--------------------|-----------------|-------------|-------------------|-------|--------|------|------|------|-------|-------|------------------|-------|------------------|-------------|-----------------|
|        |            |                    |                 |             | Outer diameter OD | A     | B Min. | Max. | F    | K    | L     | M     | H                |       |                  |             |                 |
| mm     |            |                    | —               | —           | mm                |       |        |      |      |      |       |       |                  | kg    | —                |             |                 |
| 8      | 20         | 76.39              | 30              | 1F          | 75.13             | 85.0  | 15     | 36.0 | 28.0 | —    | 38.0  | —     | 55.0             | 1.02  | PHP 30-8M-20RSB  |             |                 |
|        |            | 78.94              | 31              | 1F          | 77.65             | 87.0  | 15     | 38.0 | 28.0 | —    | 38.0  | —     | 55.0             | 1.11  | PHP 31-8M-20RSB  |             |                 |
|        |            | 81.49              | 32              | 1F          | 80.16             | 90.0  | 15     | 40.0 | 28.0 | —    | 38.0  | —     | 60.0             | 1.20  | PHP 32-8M-20RSB  |             |                 |
|        |            | 84.03              | 33              | 1F          | 82.68             | 90.0  | 15     | 42.0 | 28.0 | —    | 38.0  | —     | 60.0             | 1.30  | PHP 33-8M-20RSB  |             |                 |
|        |            | 86.58              | 34              | 1F          | 85.22             | 95.0  | 15     | 44.0 | 28.0 | —    | 38.0  | —     | 70.0             | 1.40  | PHP 34-8M-20RSB  |             |                 |
|        |            | 89.13              | 35              | 1F          | 87.76             | 95.0  | 15     | 45.0 | 28.0 | —    | 38.0  | —     | 70.0             | 1.48  | PHP 35-8M-20RSB  |             |                 |
|        |            | 91.67              | 36              | 1F          | 90.30             | 100.0 | 15     | 46.0 | 28.0 | —    | 38.0  | —     | 70.0             | 1.55  | PHP 36-8M-20RSB  |             |                 |
|        |            | 96.77              | 38              | 1F          | 95.39             | 105.0 | 15     | 50.0 | 28.0 | —    | 38.0  | —     | 75.0             | 1.65  | PHP 38-8M-20RSB  |             |                 |
|        |            | 101.86             | 40              | 1F          | 100.49            | 110.0 | 15     | 50.0 | 28.0 | —    | 38.0  | —     | 75.0             | 1.74  | PHP 40-8M-20RSB  |             |                 |
|        |            | 106.95             | 42              | 1F          | 105.58            | 111.0 | 15     | 50.0 | 28.0 | —    | 38.0  | —     | 75.0             | 1.92  | PHP 42-8M-20RSB  |             |                 |
|        |            | 112.05             | 44              | 1F          | 110.67            | 121.0 | 15     | 50.0 | 28.0 | —    | 38.0  | —     | 75.0             | 2.10  | PHP 44-8M-20RSB  |             |                 |
|        |            | 114.59             | 45              | 1F          | 113.22            | 121.0 | 15     | 50.0 | 28.0 | —    | 38.0  | —     | 75.0             | 2.19  | PHP 45-8M-20RSB  |             |                 |
|        |            | 122.23             | 48              | 1F          | 120.86            | 131.0 | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 75.0             | 2.44  | PHP 48-8M-20RSB  |             |                 |
|        |            | 127.32             | 50              | 1F          | 125.95            | 131.0 | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 75.0             | 2.48  | PHP 50-8M-20RSB  |             |                 |
|        |            | 132.42             | 52              | 1F          | 131.05            | 140.0 | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 80.0             | 2.52  | PHP 52-8M-20RSB  |             |                 |
|        |            | 142.60             | 56              | 2F          | 141.23            | 151.0 | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 80.0             | 2.60  | PHP 56-8M-20RSB  |             |                 |
|        |            | 162.97             | 64              | 2F          | 161.60            | 172.0 | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 80.0             | 2.90  | PHP 64-8M-20RSB  |             |                 |
|        |            | 183.35             | 72              | 2F          | 181.97            | 192.0 | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 80.0             | 3.10  | PHP 72-8M-20RSB  |             |                 |
|        |            | 203.72             | 80              | 2           | 202.35            | —     | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 90.0             | 3.80  | PHP 80-8M-20RSB  |             |                 |
|        |            | 229.18             | 90              | 2           | 227.81            | —     | 15     | 54.0 | 28.0 | —    | 38.0  | —     | 90.0             | 4.20  | PHP 90-8M-20RSB  |             |                 |
|        |            | 285.21             | 112             | 5           | 283.83            | —     | 18     | 54.0 | 28.0 | —    | 38.0  | —     | 90.0             | 5.20  | PHP 112-8M-20RSB |             |                 |
|        |            | 366.69             | 144             | 5           | 365.32            | —     | 20     | 54.0 | 28.0 | —    | 38.0  | —     | 90.0             | 7.50  | PHP 144-8M-20RSB |             |                 |
|        |            | 427.81             | 168             | 5           | 426.44            | —     | 20     | 60.0 | 28.0 | —    | 38.0  | —     | 100.0            | 10.00 | PHP 168-8M-20RSB |             |                 |
|        |            | 488.92             | 192             | 5           | 487.55            | —     | 20     | 60.0 | 28.0 | —    | 38.0  | —     | 100.0            | 14.40 | PHP 192-8M-20RSB |             |                 |
|        |            | 8                  | 30              | 50.93       | 20                | 1F    | 49.56  | 60.0 | 12   | 25.0 | 38.0  | —     | 48.0             | —     | 38.0             | 0.54        | PHP 20-8M-30RSB |
|        |            |                    |                 | 53.47       | 21                | 1F    | 52.10  | 62.0 | 12   | 27.0 | 38.0  | —     | 48.0             | —     | 40.0             | 0.62        | PHP 21-8M-30RSB |
|        |            |                    |                 | 56.02       | 22                | 1F    | 54.65  | 65.0 | 12   | 29.0 | 38.0  | —     | 48.0             | —     | 43.0             | 0.69        | PHP 22-8M-30RSB |
|        |            |                    |                 | 57.57       | 23                | 1F    | 57.20  | 65.0 | 12   | 30.0 | 38.0  | —     | 48.0             | —     | 45.0             | 0.77        | PHP 23-8M-30RSB |
|        |            |                    |                 | 61.12       | 24                | 1F    | 59.75  | 70.0 | 12   | 30.0 | 38.0  | —     | 48.0             | —     | 45.0             | 0.84        | PHP 24-8M-30RSB |
|        |            |                    |                 | 63.66       | 25                | 1F    | 62.28  | 71.0 | 12   | 31.0 | 38.0  | —     | 48.0             | —     | 50.0             | 0.92        | PHP 25-8M-30RSB |
|        |            |                    |                 | 66.21       | 26                | 1F    | 64.84  | 75.0 | 12   | 32.0 | 38.0  | —     | 48.0             | —     | 50.0             | 1.00        | PHP 26-8M-30RSB |
|        |            |                    |                 | 68.75       | 27                | 1F    | 67.39  | 75.0 | 12   | 33.0 | 38.0  | —     | 48.0             | —     | 50.0             | 1.06        | PHP 27-8M-30RSB |
| 71.30  | 28         |                    |                 | 1F          | 70.08             | 80.0  | 15     | 34.0 | 38.0 | —    | 48.0  | —     | 50.0             | 1.12  | PHP 28-8M-30RSB  |             |                 |
| 76.39  | 30         |                    |                 | 1F          | 75.13             | 85.0  | 15     | 36.0 | 38.0 | —    | 48.0  | —     | 55.0             | 1.32  | PHP 30-8M-30RSB  |             |                 |
| 78.94  | 31         |                    |                 | 1F          | 77.65             | 87.0  | 15     | 38.0 | 38.0 | —    | 48.0  | —     | 55.0             | 1.42  | PHP 31-8M-30RSB  |             |                 |
| 81.49  | 32         |                    |                 | 1F          | 80.16             | 90.0  | 15     | 40.0 | 38.0 | —    | 48.0  | —     | 60.0             | 1.53  | PHP 32-8M-30RSB  |             |                 |
| 84.03  | 33         |                    |                 | 1F          | 82.68             | 90.0  | 15     | 42.0 | 38.0 | —    | 48.0  | —     | 60.0             | 1.64  | PHP 33-8M-30RSB  |             |                 |
| 86.58  | 34         |                    |                 | 1F          | 85.22             | 95.0  | 15     | 44.0 | 38.0 | —    | 48.0  | —     | 70.0             | 1.80  | PHP 34-8M-30RSB  |             |                 |
| 89.13  | 35         |                    |                 | 1F          | 87.76             | 95.0  | 15     | 45.0 | 38.0 | —    | 48.0  | —     | 70.0             | 1.90  | PHP 35-8M-30RSB  |             |                 |
| 91.67  | 36         |                    |                 | 1F          | 90.30             | 100.0 | 15     | 46.0 | 38.0 | —    | 48.0  | —     | 70.0             | 1.99  | PHP 36-8M-30RSB  |             |                 |
| 96.77  | 38         |                    |                 | 1F          | 95.39             | 105.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 2.27  | PHP 38-8M-30RSB  |             |                 |
| 101.86 | 40         |                    |                 | 1F          | 100.49            | 110.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 2.40  | PHP 40-8M-30RSB  |             |                 |
| 106.95 | 42         |                    |                 | 1F          | 105.58            | 111.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 2.60  | PHP 42-8M-30RSB  |             |                 |
| 112.05 | 44         |                    |                 | 1F          | 110.67            | 121.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 2.80  | PHP 44-8M-30RSB  |             |                 |
| 114.59 | 45         |                    |                 | 1F          | 113.22            | 121.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 2.90  | PHP 45-8M-30RSB  |             |                 |
| 122.23 | 48         |                    |                 | 1F          | 120.86            | 131.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 3.20  | PHP 48-8M-30RSB  |             |                 |
| 127.32 | 50         |                    |                 | 1F          | 125.95            | 131.0 | 15     | 50.0 | 38.0 | —    | 48.0  | —     | 75.0             | 3.30  | PHP 50-8M-30RSB  |             |                 |
| 132.42 | 52         |                    |                 | 1F          | 131.05            | 140.0 | 15     | 60.0 | 38.0 | —    | 48.0  | —     | 90.0             | 3.40  | PHP 52-8M-30RSB  |             |                 |
| 142.60 | 56         |                    |                 | 2F          | 141.23            | 151.0 | 15     | 60.0 | 38.0 | —    | 48.0  | —     | 90.0             | 3.60  | PHP 56-8M-30RSB  |             |                 |
| 152.79 | 60         |                    |                 | 2F          | 151.42            | 168.0 | 15     | 60.0 | 38.0 | —    | 48.0  | —     | 90.0             | 3.95  | PHP 60-8M-30RSB  |             |                 |
| 162.97 | 64         |                    |                 | 2F          | 161.60            | 172.0 | 15     | 60.0 | 38.0 | —    | 48.0  | —     | 90.0             | 4.30  | PHP 64-8M-30RSB  |             |                 |
| 183.35 | 72         |                    |                 | 2F          | 181.97            | 192.0 | 15     | 63.0 | 38.0 | —    | 48.0  | —     | 95.0             | 4.80  | PHP 72-8M-30RSB  |             |                 |
| 203.72 | 80         |                    |                 | 2           | 202.35            | —     | 15     | 60.0 | 38.0 | —    | 48.0  | —     | 100.0            | 5.10  | PHP 80-8M-30RSB  |             |                 |
| 229.18 | 90         |                    |                 | 2           | 227.81            | —     | 15     | 60.0 | 38.0 | —    | 48.0  | —     | 100.0            | 5.70  | PHP 90-8M-30RSB  |             |                 |
| 285.21 | 112        |                    |                 | 5           | 283.83            | —     | 18     | 60.0 | 38.0 | —    | 48.0  | —     | 100.0            | 6.80  | PHP 112-8M-30RSB |             |                 |
| 366.69 | 144        |                    |                 | 5           | 365.32            | —     | 20     | 60.0 | 38.0 | —    | 48.0  | —     | 100.0            | 9.30  | PHP 144-8M-30RSB |             |                 |
| 427.81 | 168        | 5                  | 426.44          | —           | 20                | 60.0  | 38.0   | —    | 48.0 | —    | 100.0 | 11.40 | PHP 168-8M-30RSB |       |                  |             |                 |
| 488.92 | 192        | 5                  | 487.55          | —           | 20                | 60.0  | 38.0   | —    | 48.0 | —    | 100.0 | 16.00 | PHP 192-8M-30RSB |       |                  |             |                 |
| 8      | 50         | 56.02              | 22              | 1F          | 54.65             | 65.0  | 12     | 29.0 | 60.0 | —    | 70.0  | —     | 43.0             | 1.00  | PHP 22-8M-50RSB  |             |                 |
|        |            | 58.57              | 23              | 1F          | 57.20             | 65.0  | 12     | 30.0 | 60.0 | —    | 70.0  | —     | 45.0             | 1.12  | PHP 23-8M-50RSB  |             |                 |
|        |            | 61.12              | 24              | 1F          | 59.75             | 70.0  | 12     | 30.0 | 60.0 | —    | 70.0  | —     | 45.0             | 1.23  | PHP 24-8M-50RSB  |             |                 |
|        |            | 63.66              | 25              | 1F          | 62.28             | 70.0  | 12     | 34.0 | 60.0 | —    | 70.0  | —     | 50.0             | 1.37  | PHP 25-8M-50RSB  |             |                 |
|        |            | 66.21              | 26              | 1F          | 64.84             | 75.0  | 12     | 34.0 | 60.0 | —    | 70.0  | —     | 50.0             | 1.50  | PHP 26-8M-50RSB  |             |                 |
|        |            | 68.75              | 27              | 1F          | 67.39             | 75.0  | 15     | 34.0 | 60.0 | —    | 70.0  | —     | 50.0             | 1.59  | PHP 27-8M-50RSB  |             |                 |
|        |            | 71.30              | 28              | 1F          | 70.08             | 80.0  | 15     | 34.0 | 60.0 | —    | 70.0  | —     | 50.0             | 1.67  | PHP 28-8M-50RSB  |             |                 |
|        |            | 76.39              | 30              | 1F          | 75.13             | 85.0  | 15     | 38.0 | 60.0 | —    | 70.0  | —     | 55.0             | 1.97  | PHP 30-8M-50RSB  |             |                 |
|        |            | 78.94              | 31              | 1F          | 77.65             | 87.0  | 15     | 38.0 | 60.0 | —    | 70.0  | —     | 55.0             | 2.12  | PHP 31-8M-50RSB  |             |                 |
|        |            | 81.49              | 32              | 1F          | 80.16             | 90.0  | 15     | 40.0 | 60.0 | —    | 70.0  | —     | 60.0             | 2.27  | PHP 32-8M-50RSB  |             |                 |
|        |            | 84.03              | 33              | 1F          | 82.68             | 90.0  | 15     | 42.0 | 60.0 | —    | 70.0  | —     | 60.0             | 2.42  | PHP 33-8M-50RSB  |             |                 |
|        |            | 86.58              | 34              | 1F          | 85.22             | 95.0  | 15     | 44.0 | 60.0 | —    | 70.0  | —     | 70.0             | 2.69  | PHP 34-8M-50RSB  |             |                 |
|        |            | 89.13              | 35              | 1F          | 87.76             | 95.0  | 15     | 45.0 | 60.0 | —    | 70.0  | —     | 70.0             | 2.83  | PHP 35-8M-50RSB  |             |                 |
|        |            | 91.67              | 36              | 1F          | 90.30             | 100.0 | 15     | 46.0 | 60.0 | —    | 70.0  | —     | 70.0             | 2.97  | PHP 36-8M-50RSB  |             |                 |
|        |            | 96.77              | 38              | 1F          | 95.39             | 105.0 | 15     | 50.0 | 60.0 | —    | 70.0  | —     | 75.0             | 3.23  | PHP 38-8M-50RSB  |             |                 |

# HTD pulleys

8 mm pitch pilot bore (RSB) | 14 mm pitch pilot bore (RSB)



Type 1F

Type 2F

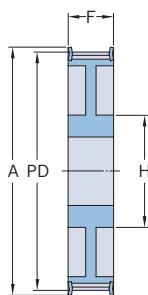
Type 3

Type 5

Type 7

| Pitch  | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions<br>Outer diameter OD | A     | B<br>Min. | Max. | F    | K     | L     | M     | H                | Mass             | Designation      |                 |
|--------|------------|--------------------|-----------------|-------------|---------------------------------|-------|-----------|------|------|-------|-------|-------|------------------|------------------|------------------|-----------------|
| mm     |            |                    | –               | –           | mm                              |       |           |      |      |       |       |       |                  | kg               | –                |                 |
| 8      | 50         | 101.86             | 40              | 1F          | 100.49                          | 110.0 | 18        | 50.0 | 60.0 | –     | 70.0  | –     | 75.0             | 3.50             | PHP 40-8M-50RSB  |                 |
|        |            | 104.41             | 42              | 1F          | 103.03                          | 111.0 | 18        | 50.0 | 60.0 | –     | 70.0  | –     | 75.0             | 3.70             | PHP 42-8M-50RSB  |                 |
|        |            | 112.05             | 44              | 1F          | 110.67                          | 121.0 | 18        | 50.0 | 60.0 | –     | 70.0  | –     | 75.0             | 3.90             | PHP 44-8M-50RSB  |                 |
|        |            | 114.59             | 45              | 1F          | 113.22                          | 121.0 | 18        | 50.0 | 60.0 | –     | 70.0  | –     | 75.0             | 4.00             | PHP 45-8M-50RSB  |                 |
|        |            | 122.23             | 48              | 1F          | 120.86                          | 131.0 | 18        | 54.0 | 60.0 | –     | 70.0  | –     | 80.0             | 4.30             | PHP 48-8M-50RSB  |                 |
|        |            | 124.78             | 50              | 1F          | 123.41                          | 131.0 | 18        | 54.0 | 60.0 | –     | 70.0  | –     | 80.0             | 4.48             | PHP 50-8M-50RSB  |                 |
|        |            | 127.32             | 52              | 1F          | 125.95                          | 140.0 | 18        | 60.0 | 60.0 | –     | 70.0  | –     | 90.0             | 4.65             | PHP 52-8M-50RSB  |                 |
|        |            | 142.60             | 56              | 7F          | 141.23                          | 151.0 | 18        | 60.0 | 60.0 | –     | 60.0  | –     | 90.0             | 5.00             | PHP 56-8M-50RSB  |                 |
|        |            | 152.79             | 60              | 7F          | 151.42                          | 158.0 | 18        | 60.0 | 60.0 | –     | 60.0  | –     | 90.0             | 5.30             | PHP 60-8M-50RSB  |                 |
|        |            | 162.97             | 64              | 7F          | 161.60                          | 171.0 | 18        | 60.0 | 60.0 | –     | 60.0  | –     | 100.0            | 5.60             | PHP 64-8M-50RSB  |                 |
|        |            | 183.35             | 72              | 7F          | 181.97                          | 192.0 | 18        | 63.0 | 60.0 | –     | 60.0  | –     | 100.0            | 6.80             | PHP 72-8M-50RSB  |                 |
|        |            | 203.72             | 80              | 7           | 202.35                          | –     | 18        | 60.0 | 60.0 | –     | 60.0  | –     | 110.0            | 6.90             | PHP 80-8M-50RSB  |                 |
|        | 229.18     | 90                 | 7               | 227.81      | –                               | 18    | 60.0      | 60.0 | –    | 60.0  | –     | 110.0 | 8.60             | PHP 90-8M-50RSB  |                  |                 |
|        | 285.21     | 112                | 3               | 283.83      | –                               | 20    | 60.0      | 60.0 | –    | 60.0  | –     | 110.0 | 9.60             | PHP 112-8M-50RSB |                  |                 |
|        | 366.69     | 144                | 3               | 365.32      | –                               | 20    | 60.0      | 60.0 | –    | 60.0  | –     | 110.0 | 13.80            | PHP 144-8M-50RSB |                  |                 |
|        | 427.81     | 168                | 3               | 426.44      | –                               | 20    | 60.0      | 60.0 | –    | 60.0  | –     | 120.0 | 16.00            | PHP 168-8M-50RSB |                  |                 |
|        | 488.92     | 192                | 3               | 487.55      | –                               | 20    | 60.0      | 60.0 | –    | 60.0  | –     | 130.0 | 22.40            | PHP 192-8M-50RSB |                  |                 |
|        | 8          | 85                 | 56.02           | 22          | 1F                              | 54.65 | 65.0      | 12   | 29.0 | 95.0  | –     | 105.0 | –                | 43.0             | 1.55             | PHP 22-8M-85RSB |
|        |            |                    | 58.57           | 23          | 1F                              | 57.20 | 65.0      | 12   | 30.0 | 95.0  | –     | 105.0 | –                | 45.0             | 1.73             | PHP 23-8M-85RSB |
|        |            |                    | 61.12           | 24          | 1F                              | 59.75 | 70.0      | 12   | 30.0 | 95.0  | –     | 105.0 | –                | 45.0             | 1.90             | PHP 24-8M-85RSB |
|        |            |                    | 63.66           | 25          | 1F                              | 62.28 | 70.0      | 12   | 34.0 | 95.0  | –     | 105.0 | –                | 50.0             | 2.08             | PHP 25-8M-85RSB |
|        |            |                    | 66.21           | 26          | 1F                              | 64.84 | 75.0      | 12   | 34.0 | 95.0  | –     | 105.0 | –                | 50.0             | 2.25             | PHP 26-8M-85RSB |
|        |            |                    | 68.75           | 27          | 1F                              | 67.39 | 75.0      | 12   | 34.0 | 95.0  | –     | 105.0 | –                | 50.0             | 2.40             | PHP 27-8M-85RSB |
|        |            |                    | 71.30           | 28          | 1F                              | 70.08 | 80.0      | 15   | 34.0 | 95.0  | –     | 105.0 | –                | 50.0             | 2.55             | PHP 28-8M-85RSB |
|        |            |                    | 76.39           | 30          | 1F                              | 75.13 | 85.0      | 15   | 35.0 | 95.0  | –     | 105.0 | –                | 55.0             | 3.00             | PHP 30-8M-85RSB |
| 78.94  |            |                    | 31              | 1F          | 77.65                           | 87.0  | 15        | 38.0 | 95.0 | –     | 105.0 | –     | 55.0             | 3.23             | PHP 31-8M-85RSB  |                 |
| 81.49  |            |                    | 32              | 1F          | 80.16                           | 90.0  | 15        | 42.0 | 95.0 | –     | 105.0 | –     | 60.0             | 3.57             | PHP 32-8M-85RSB  |                 |
| 84.03  |            |                    | 33              | 1F          | 82.68                           | 90.0  | 15        | 44.0 | 95.0 | –     | 105.0 | –     | 60.0             | 3.75             | PHP 33-8M-85RSB  |                 |
| 86.58  |            |                    | 34              | 1F          | 85.22                           | 95.0  | 15        | 44.0 | 95.0 | –     | 105.0 | –     | 70.0             | 4.00             | PHP 34-8M-85RSB  |                 |
| 89.13  |            | 35                 | 1F              | 87.76       | 95.0                            | 15    | 44.0      | 95.0 | –    | 105.0 | –     | 70.0  | 4.25             | PHP 35-8M-85RSB  |                  |                 |
| 91.67  |            | 36                 | 1F              | 90.30       | 100.0                           | 15    | 44.0      | 95.0 | –    | 105.0 | –     | 70.0  | 4.50             | PHP 36-8M-85RSB  |                  |                 |
| 96.77  |            | 38                 | 1F              | 95.39       | 106.0                           | 15    | 50.0      | 95.0 | –    | 105.0 | –     | 75.0  | 4.90             | PHP 38-8M-85RSB  |                  |                 |
| 101.86 |            | 40                 | 1F              | 100.49      | 110.0                           | 18    | 50.0      | 95.0 | –    | 105.0 | –     | 75.0  | 5.20             | PHP 40-8M-85RSB  |                  |                 |
| 106.95 |            | 42                 | 1F              | 105.58      | 110.0                           | 18    | 50.0      | 95.0 | –    | 105.0 | –     | 75.0  | 6.08             | PHP 42-8M-85RSB  |                  |                 |
| 112.05 |            | 44                 | 1F              | 110.67      | 121.0                           | 18    | 50.0      | 95.0 | –    | 105.0 | –     | 75.0  | 6.60             | PHP 44-8M-85RSB  |                  |                 |
| 114.59 |            | 45                 | 1F              | 113.22      | 121.0                           | 18    | 50.0      | 95.0 | –    | 105.0 | –     | 75.0  | 6.85             | PHP 45-8M-85RSB  |                  |                 |
| 122.23 |            | 48                 | 1F              | 120.86      | 131.0                           | 18    | 54.0      | 95.0 | –    | 105.0 | –     | 80.0  | 7.60             | PHP 48-8M-85RSB  |                  |                 |
| 127.32 |            | 50                 | 1F              | 125.95      | 131.0                           | 20    | 54.0      | 95.0 | –    | 105.0 | –     | 80.0  | 8.15             | PHP 50-8M-85RSB  |                  |                 |
| 132.42 |            | 52                 | 1F              | 131.05      | 140.0                           | 20    | 54.0      | 95.0 | –    | 105.0 | –     | 80.0  | 8.70             | PHP 52-8M-85RSB  |                  |                 |
| 142.60 |            | 56                 | 1F              | 141.23      | 151.0                           | 20    | 54.0      | 95.0 | –    | 105.0 | –     | 80.0  | 9.80             | PHP 56-8M-85RSB  |                  |                 |
| 152.79 |            | 60                 | 7F              | 151.42      | 158.0                           | 20    | 66.0      | 95.0 | –    | 95.0  | –     | 100.0 | 10.10            | PHP 60-8M-85RSB  |                  |                 |
| 162.97 |            | 64                 | 7F              | 161.60      | 171.0                           | 20    | 66.0      | 95.0 | –    | 95.0  | –     | 100.0 | 10.40            | PHP 64-8M-85RSB  |                  |                 |
| 183.35 | 72         | 7F                 | 181.97          | 192.0       | 20                              | 66.0  | 95.0      | –    | 95.0 | –     | 110.0 | 11.40 | PHP 72-8M-85RSB  |                  |                  |                 |
| 203.72 | 80         | 3                  | 202.35          | –           | 20                              | 66.0  | 95.0      | –    | 95.0 | –     | 110.0 | 11.10 | PHP 80-8M-85RSB  |                  |                  |                 |
| 229.18 | 90         | 3                  | 227.81          | –           | 20                              | 66.0  | 95.0      | –    | 95.0 | –     | 110.0 | 13.20 | PHP 90-8M-85RSB  |                  |                  |                 |
| 285.21 | 112        | 3                  | 283.83          | –           | 24                              | 66.0  | 95.0      | –    | 95.0 | –     | 110.0 | 16.30 | PHP 112-8M-85RSB |                  |                  |                 |
| 366.69 | 144        | 3                  | 365.32          | –           | 24                              | 72.0  | 95.0      | –    | 95.0 | –     | 120.0 | 21.50 | PHP 144-8M-85RSB |                  |                  |                 |
| 427.81 | 168        | 3                  | 426.44          | –           | 24                              | 72.0  | 95.0      | –    | 95.0 | –     | 120.0 | 26.10 | PHP 168-8M-85RSB |                  |                  |                 |
| 488.92 | 192        | 3                  | 487.55          | –           | 24                              | 78.0  | 95.0      | –    | 95.0 | –     | 130.0 | 30.60 | PHP 192-8M-85RSB |                  |                  |                 |
| 14     | 40         | 124.78             | 28              | 1F          | 122.12                          | 127.0 | 24        | 67.0 | 54.0 | –     | 69.0  | –     | 100.0            | 4.73             | PHP 28-14M-40RSB |                 |
|        |            | 129.23             | 29              | 1F          | 126.57                          | 138.0 | 24        | 67.0 | 54.0 | –     | 69.0  | –     | 100.0            | 5.09             | PHP 29-14M-40RSB |                 |
|        |            | 133.69             | 30              | 1F          | 130.99                          | 138.0 | 24        | 67.0 | 54.0 | –     | 69.0  | –     | 100.0            | 5.45             | PHP 30-14M-40RSB |                 |
|        |            | 142.60             | 32              | 1F          | 139.88                          | 154.0 | 24        | 67.0 | 54.0 | –     | 69.0  | –     | 100.0            | 6.17             | PHP 32-14M-40RSB |                 |
|        |            |                    |                 |             |                                 |       |           |      |      |       |       |       |                  |                  |                  |                 |

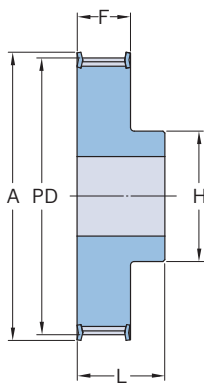
# HTD pulleys 14 mm pitch pilot bore (RSB)



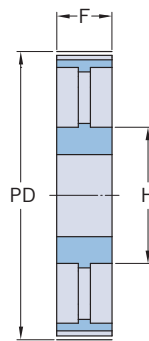
Type 7F

| Pitch  | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions        |       |        |       |       |      |       |   |       |       | Mass              | Designation |                  |
|--------|------------|--------------------|-----------------|-------------|-------------------|-------|--------|-------|-------|------|-------|---|-------|-------|-------------------|-------------|------------------|
|        |            |                    |                 |             | Outer diameter OD | A     | B Min. | Max.  | F     | K    | L     | M | H     |       |                   |             |                  |
| mm     |            |                    | —               | —           | mm                |       |        |       |       |      |       |   |       | kg    | —                 |             |                  |
| 14     | 40         | 151.52             | 34              | 1F          | 148.79            | 160.0 | 24     | 67.0  | 54.0  | —    | 69.0  | — | 100.0 | 6.88  | PHP 34-14M-40RSB  |             |                  |
|        |            | 160.43             | 36              | 1F          | 157.68            | 168.0 | 24     | 67.0  | 54.0  | —    | 69.0  | — | 100.0 | 7.60  | PHP 36-14M-40RSB  |             |                  |
|        |            | 169.34             | 38              | 1F          | 166.60            | 183.0 | 24     | 80.0  | 54.0  | —    | 69.0  | — | 120.0 | 8.28  | PHP 38-14M-40RSB  |             |                  |
|        |            | 178.25             | 40              | 1F          | 175.49            | 188.0 | 24     | 80.0  | 54.0  | —    | 69.0  | — | 120.0 | 9.26  | PHP 40-14M-40RSB  |             |                  |
|        |            | 196.08             | 44              | 1F          | 193.28            | 211.0 | 24     | 80.0  | 54.0  | —    | 69.0  | — | 120.0 | 10.32 | PHP 44-14M-40RSB  |             |                  |
|        |            | 213.90             | 48              | 2F          | 211.11            | 226.0 | 24     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 11.50 | PHP 48-14M-40RSB  |             |                  |
|        |            | 249.55             | 56              | 2F          | 246.76            | 256.0 | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 13.05 | PHP 56-14M-40RSB  |             |                  |
|        |            | 285.21             | 64              | 2F          | 282.41            | 296.0 | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 14.40 | PHP 64-14M-40RSB  |             |                  |
|        |            | 320.86             | 72              | 5           | 318.06            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 16.90 | PHP 72-14M-40RSB  |             |                  |
|        |            | 356.51             | 80              | 5           | 353.71            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 18.50 | PHP 80-14M-40RSB  |             |                  |
|        |            | 401.07             | 90              | 5           | 398.28            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 20.00 | PHP 90-14M-40RSB  |             |                  |
|        |            | 499.11             | 112             | 5           | 496.32            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 26.70 | PHP 112-14M-40RSB |             |                  |
|        |            | 641.71             | 144             | 5           | 638.92            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 35.00 | PHP 144-14M-40RSB |             |                  |
|        |            | 748.66             | 168             | 5           | 745.87            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 44.20 | PHP 168-14M-40RSB |             |                  |
|        |            | 855.92             | 192             | 5           | 852.82            | —     | 28     | 82.0  | 54.0  | —    | 69.0  | — | 135.0 | 52.20 | PHP 192-14M-40RSB |             |                  |
|        |            | 962.57             | 216             | 5           | 959.76            | —     | 28     | 90.0  | 54.0  | —    | 69.0  | — | 150.0 | 60.00 | PHP 216-14M-40RSB |             |                  |
|        |            | 14                 | 55              | 124.78      | 28                | 1F    | 122.12 | 127.0 | 24    | 67.0 | 70.0  | — | 85.0  | —     | 100.0             | 5.60        | PHP 28-14M-55RSB |
|        |            |                    |                 | 129.23      | 29                | 1F    | 126.57 | 138.0 | 24    | 67.0 | 70.0  | — | 85.0  | —     | 100.0             | 6.10        | PHP 29-14M-55RSB |
|        |            |                    |                 | 133.69      | 30                | 1F    | 130.99 | 138.0 | 24    | 67.0 | 70.0  | — | 85.0  | —     | 100.0             | 6.60        | PHP 30-14M-55RSB |
|        |            |                    |                 | 142.60      | 32                | 1F    | 139.88 | 154.0 | 24    | 67.0 | 70.0  | — | 85.0  | —     | 100.0             | 7.60        | PHP 32-14M-55RSB |
| 151.52 | 34         |                    |                 | 1F          | 148.79            | 160.0 | 24     | 67.0  | 70.0  | —    | 85.0  | — | 100.0 | 8.60  | PHP 34-14M-55RSB  |             |                  |
| 160.43 | 36         |                    |                 | 1F          | 157.68            | 168.0 | 24     | 67.0  | 70.0  | —    | 85.0  | — | 100.0 | 9.60  | PHP 36-14M-55RSB  |             |                  |
| 169.34 | 38         |                    |                 | 1F          | 166.60            | 183.0 | 24     | 80.0  | 70.0  | —    | 85.0  | — | 120.0 | 10.80 | PHP 38-14M-55RSB  |             |                  |
| 178.25 | 40         |                    |                 | 1F          | 175.49            | 188.0 | 24     | 80.0  | 70.0  | —    | 85.0  | — | 120.0 | 11.20 | PHP 40-14M-55RSB  |             |                  |
| 196.08 | 44         |                    |                 | 1F          | 193.28            | 211.0 | 24     | 80.0  | 70.0  | —    | 85.0  | — | 120.0 | 12.50 | PHP 44-14M-55RSB  |             |                  |
| 213.90 | 48         |                    |                 | 7F          | 211.11            | 226.0 | 24     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 13.70 | PHP 48-14M-55RSB  |             |                  |
| 249.55 | 56         |                    |                 | 7F          | 246.76            | 256.0 | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 14.50 | PHP 56-14M-55RSB  |             |                  |
| 285.21 | 64         |                    |                 | 7F          | 282.41            | 296.0 | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 15.60 | PHP 64-14M-55RSB  |             |                  |
| 320.86 | 72         |                    |                 | 3           | 318.06            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 18.50 | PHP 72-14M-55RSB  |             |                  |
| 356.51 | 80         |                    |                 | 3           | 353.71            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 20.00 | PHP 80-14M-55RSB  |             |                  |
| 401.07 | 90         |                    |                 | 3           | 398.28            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 22.60 | PHP 90-14M-55RSB  |             |                  |
| 499.11 | 112        |                    |                 | 3           | 496.32            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 29.50 | PHP 112-14M-55RSB |             |                  |
| 641.71 | 144        |                    |                 | 3           | 638.92            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 39.00 | PHP 144-14M-55RSB |             |                  |
| 748.66 | 168        |                    |                 | 3           | 745.87            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 48.50 | PHP 168-14M-55RSB |             |                  |
| 855.62 | 192        |                    |                 | 3           | 852.82            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 135.0 | 57.80 | PHP 192-14M-55RSB |             |                  |
| 962.57 | 216        |                    |                 | 3           | 959.76            | —     | 28     | 82.0  | 70.0  | —    | 70.0  | — | 150.0 | 67.00 | PHP 216-14M-55RSB |             |                  |
| 14     | 85         | 124.78             | 28              | 1F          | 122.12            | 127.0 | 24     | 67.0  | 102.0 | —    | 117.0 | — | 100.0 | 7.70  | PHP 28-14M-85RSB  |             |                  |
|        |            | 129.23             | 29              | 1F          | 126.57            | 138.0 | 24     | 67.0  | 102.0 | —    | 117.0 | — | 100.0 | 8.40  | PHP 29-14M-85RSB  |             |                  |
|        |            | 133.69             | 30              | 1F          | 130.99            | 138.0 | 24     | 67.0  | 102.0 | —    | 117.0 | — | 100.0 | 9.10  | PHP 30-14M-85RSB  |             |                  |
|        |            | 142.60             | 32              | 1F          | 139.88            | 154.0 | 24     | 67.0  | 102.0 | —    | 117.0 | — | 100.0 | 10.50 | PHP 32-14M-85RSB  |             |                  |
|        |            | 151.52             | 34              | 1F          | 148.79            | 160.0 | 24     | 67.0  | 102.0 | —    | 117.0 | — | 100.0 | 11.90 | PHP 34-14M-85RSB  |             |                  |
|        |            | 160.43             | 36              | 1F          | 157.68            | 168.0 | 32     | 67.0  | 102.0 | —    | 117.0 | — | 100.0 | 13.20 | PHP 36-14M-85RSB  |             |                  |
|        |            | 169.34             | 38              | 1F          | 166.60            | 183.0 | 32     | 80.0  | 102.0 | —    | 117.0 | — | 120.0 | 15.15 | PHP 38-14M-85RSB  |             |                  |
|        |            | 178.25             | 40              | 1F          | 175.49            | 188.0 | 32     | 90.0  | 102.0 | —    | 117.0 | — | 135.0 | 17.10 | PHP 40-14M-85RSB  |             |                  |
|        |            | 196.08             | 44              | 1F          | 193.28            | 211.0 | 32     | 90.0  | 102.0 | —    | 117.0 | — | 135.0 | 23.30 | PHP 44-14M-85RSB  |             |                  |
|        |            | 213.90             | 48              | 1F          | 211.11            | 226.0 | 32     | 100.0 | 102.0 | —    | 117.0 | — | 150.0 | 25.00 | PHP 48-14M-85RSB  |             |                  |
|        |            | 249.55             | 56              | 7F          | 246.76            | 256.0 | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 25.00 | PHP 56-14M-85RSB  |             |                  |
|        |            | 285.21             | 64              | 7F          | 282.41            | 296.0 | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 28.20 | PHP 64-14M-85RSB  |             |                  |
|        |            | 320.86             | 72              | 3           | 318.06            | —     | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 28.80 | PHP 72-14M-85RSB  |             |                  |
|        |            | 356.51             | 80              | 3           | 353.71            | —     | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 30.10 | PHP 80-14M-85RSB  |             |                  |
|        |            | 401.07             | 90              | 3           | 398.28            | —     | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 33.00 | PHP 90-14M-85RSB  |             |                  |
|        |            | 499.11             | 112             | 3           | 496.32            | —     | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 41.80 | PHP 112-14M-85RSB |             |                  |
|        |            | 641.71             | 144             | 3           | 638.92            | —     | 32     | 90.0  | 102.0 | —    | 102.0 | — | 150.0 | 52.40 | PHP 144-14M-85RSB |             |                  |

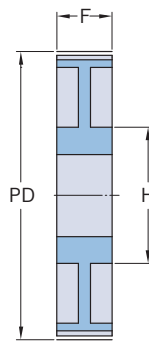
HTD pulleys  
14 mm pitch pilot bore (RSB)



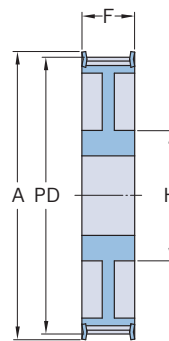
Type 1F



Type 3



Type 7

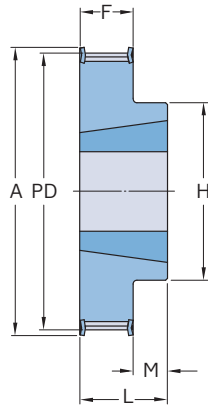


Type 7F

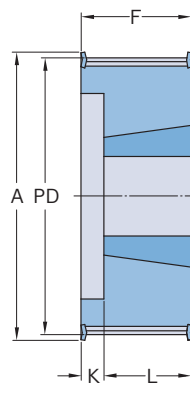
| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions        |       |        |       |       |   |       |   |       |        | Mass | Designation        |
|-------|------------|--------------------|-----------------|-------------|-------------------|-------|--------|-------|-------|---|-------|---|-------|--------|------|--------------------|
|       |            |                    |                 |             | Outer diameter OD | A     | B Min. | Max.  | F     | K | L     | M | H     |        | kg   | –                  |
| mm    |            |                    | –               | –           | mm                |       |        |       |       |   |       |   |       |        |      |                    |
| 14    | 85         | 748.66             | 168             | 3           | 745.87            | –     | 32     | 90.0  | 102.0 | – | 102.0 | – | 150.0 | 60.30  |      | PHP 168-14M-85RSB  |
|       |            | 855.62             | 192             | 3           | 852.82            | –     | 32     | 100.0 | 102.0 | – | 102.0 | – | 165.0 | 70.20  |      | PHP 192-14M-85RSB  |
|       |            | 962.57             | 216             | 3           | 959.76            | –     | 32     | 100.0 | 102.0 | – | 102.0 | – | 165.0 | 81.00  |      | PHP 216-14M-85RSB  |
| 14    | 115        | 124.78             | 28              | 1F          | 122.12            | 127.0 | 32     | 67.0  | 133.0 | – | 148.0 | – | 100.0 | 9.20   |      | PHP 28-14M-115RSB  |
|       |            | 129.23             | 29              | 1F          | 126.57            | 138.0 | 32     | 67.0  | 133.0 | – | 148.0 | – | 100.0 | 10.20  |      | PHP 29-14M-115RSB  |
|       |            | 133.69             | 30              | 1F          | 130.99            | 138.0 | 32     | 67.0  | 133.0 | – | 148.0 | – | 100.0 | 11.20  |      | PHP 30-14M-115RSB  |
|       |            | 142.60             | 32              | 1F          | 139.88            | 154.0 | 32     | 67.0  | 133.0 | – | 148.0 | – | 100.0 | 13.20  |      | PHP 32-14M-115RSB  |
|       |            | 151.52             | 34              | 1F          | 148.79            | 160.0 | 32     | 67.0  | 133.0 | – | 148.0 | – | 100.0 | 14.80  |      | PHP 34-14M-115RSB  |
|       |            | 160.43             | 36              | 1F          | 157.68            | 168.0 | 32     | 80.0  | 133.0 | – | 148.0 | – | 120.0 | 16.60  |      | PHP 36-14M-115RSB  |
|       |            | 169.34             | 38              | 1F          | 166.60            | 183.0 | 32     | 80.0  | 133.0 | – | 148.0 | – | 120.0 | 19.20  |      | PHP 38-14M-115RSB  |
|       |            | 178.25             | 40              | 1F          | 175.49            | 188.0 | 32     | 90.0  | 133.0 | – | 148.0 | – | 135.0 | 20.56  |      | PHP 40-14M-115RSB  |
|       |            | 196.08             | 44              | 1F          | 193.28            | 211.0 | 32     | 94.0  | 133.0 | – | 148.0 | – | 140.0 | 26.00  |      | PHP 44-14M-115RSB  |
|       |            | 213.90             | 48              | 1F          | 211.11            | 226.0 | 32     | 100.0 | 133.0 | – | 148.0 | – | 150.0 | 30.00  |      | PHP 48-14M-115RSB  |
|       |            | 249.55             | 56              | 1F          | 246.76            | 256.0 | 32     | 100.0 | 133.0 | – | 148.0 | – | 150.0 | 36.00  |      | PHP 56-14M-115RSB  |
|       |            | 285.21             | 64              | 7F          | 282.41            | 296.0 | 32     | 90.0  | 133.0 | – | 133.0 | – | 150.0 | 39.00  |      | PHP 64-14M-115RSB  |
|       |            | 320.86             | 72              | 3           | 318.06            | –     | 32     | 90.0  | 133.0 | – | 133.0 | – | 150.0 | 32.83  |      | PHP 72-14M-115RSB  |
|       |            | 356.51             | 80              | 3           | 353.71            | –     | 32     | 90.0  | 133.0 | – | 133.0 | – | 150.0 | 35.55  |      | PHP 80-14M-115RSB  |
|       |            | 401.07             | 90              | 3           | 398.28            | –     | 32     | 90.0  | 133.0 | – | 133.0 | – | 150.0 | 41.00  |      | PHP 90-14M-115RSB  |
|       |            | 499.11             | 112             | 3           | 496.32            | –     | 32     | 90.0  | 133.0 | – | 133.0 | – | 150.0 | 54.40  |      | PHP 112-14M-115RSB |
|       |            | 641.71             | 144             | 3           | 638.92            | –     | 32     | 100.0 | 133.0 | – | 133.0 | – | 165.0 | 67.80  |      | PHP 144-14M-115RSB |
|       |            | 748.66             | 168             | 3           | 745.87            | –     | 32     | 100.0 | 133.0 | – | 133.0 | – | 165.0 | 75.80  |      | PHP 168-14M-115RSB |
|       |            | 855.62             | 192             | 3           | 852.82            | –     | 32     | 100.0 | 133.0 | – | 133.0 | – | 165.0 | 90.30  |      | PHP 192-14M-115RSB |
|       |            | 962.57             | 216             | 3           | 959.76            | –     | 32     | 100.0 | 133.0 | – | 133.0 | – | 165.0 | 105.00 |      | PHP 216-14M-115RSB |
| 14    | 170        | 124.78             | 28              | 1F          | 122.12            | 127.0 | 32     | 67.0  | 187.0 | – | 202.0 | – | 100.0 | 13.80  |      | PHP 28-14M-170RSB  |
|       |            | 129.23             | 29              | 1F          | 126.57            | 138.0 | 32     | 67.0  | 187.0 | – | 202.0 | – | 100.0 | 14.20  |      | PHP 29-14M-170RSB  |
|       |            | 133.69             | 30              | 1F          | 130.99            | 138.0 | 32     | 67.0  | 187.0 | – | 202.0 | – | 100.0 | 15.60  |      | PHP 30-14M-170RSB  |
|       |            | 142.60             | 32              | 1F          | 139.88            | 154.0 | 32     | 67.0  | 187.0 | – | 202.0 | – | 100.0 | 18.10  |      | PHP 32-14M-170RSB  |
|       |            | 151.52             | 34              | 1F          | 148.79            | 160.0 | 32     | 67.0  | 187.0 | – | 202.0 | – | 100.0 | 20.40  |      | PHP 34-14M-170RSB  |
|       |            | 160.43             | 36              | 1F          | 157.68            | 168.0 | 32     | 80.0  | 187.0 | – | 202.0 | – | 120.0 | 23.50  |      | PHP 36-14M-170RSB  |
|       |            | 169.34             | 38              | 1F          | 166.60            | 183.0 | 32     | 90.0  | 187.0 | – | 202.0 | – | 135.0 | 26.50  |      | PHP 38-14M-170RSB  |
|       |            | 178.25             | 40              | 1F          | 175.49            | 188.0 | 32     | 94.0  | 187.0 | – | 202.0 | – | 140.0 | 30.10  |      | PHP 40-14M-170RSB  |
|       |            | 196.08             | 44              | 1F          | 193.28            | 211.0 | 32     | 100.0 | 187.0 | – | 202.0 | – | 160.0 | 37.80  |      | PHP 44-14M-170RSB  |
|       |            | 213.90             | 48              | 1F          | 211.11            | 226.0 | 32     | 107.0 | 187.0 | – | 202.0 | – | 160.0 | 44.50  |      | PHP 48-14M-170RSB  |
|       |            | 249.55             | 56              | 1F          | 246.76            | 256.0 | 32     | 110.0 | 187.0 | – | 202.0 | – | 160.0 | 61.00  |      | PHP 56-14M-170RSB  |
|       |            | 285.21             | 64              | 1F          | 282.41            | 296.0 | 32     | 120.0 | 187.0 | – | 202.0 | – | 180.0 | 81.00  |      | PHP 64-14M-170RSB  |
|       |            | 320.86             | 72              | 7           | 318.06            | –     | 32     | 120.0 | 187.0 | – | 187.0 | – | 180.0 | 61.40  |      | PHP 72-14M-170RSB  |
|       |            | 356.51             | 80              | 7           | 353.71            | –     | 32     | 108.0 | 187.0 | – | 187.0 | – | 180.0 | 65.00  |      | PHP 80-14M-170RSB  |
|       |            | 401.07             | 90              | 3           | 398.28            | –     | 38     | 108.0 | 187.0 | – | 187.0 | – | 180.0 | 68.00  |      | PHP 90-14M-170RSB  |
|       |            | 499.11             | 112             | 3           | 496.32            | –     | 38     | 108.0 | 187.0 | – | 187.0 | – | 200.0 | 87.50  |      | PHP 112-14M-170RSB |
|       |            | 641.71             | 144             | 3           | 638.92            | –     | 38     | 108.0 | 187.0 | – | 187.0 | – | 220.0 | 114.80 |      | PHP 144-14M-170RSB |
|       |            | 748.66             | 168             | 3           | 745.87            | –     | 38     | 108.0 | 187.0 | – | 187.0 | – | 220.0 | 125.00 |      | PHP 168-14M-170RSB |
|       |            | 855.62             | 192             | 3           | 852.82            | –     | 38     | 108.0 | 187.0 | – | 187.0 | – | 220.0 | 136.40 |      | PHP 192-14M-170RSB |
|       |            | 962.57             | 216             | 3           | 959.76            | –     | 38     | 108.0 | 187.0 | – | 187.0 | – | 220.0 | 147.00 |      | PHP 216-14M-170RSB |

# HTD pulleys

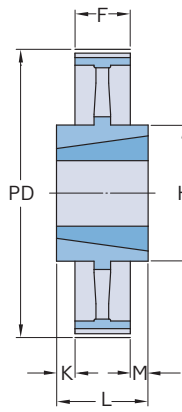
5 mm pitch taper bushed | 8 mm pitch taper bushed



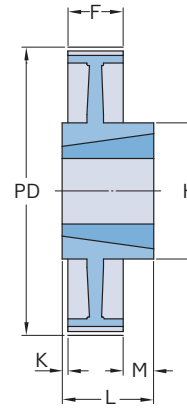
Type 3F



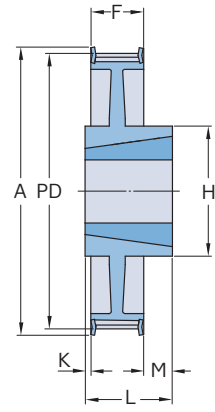
Type 4F



Type 10



Type 12

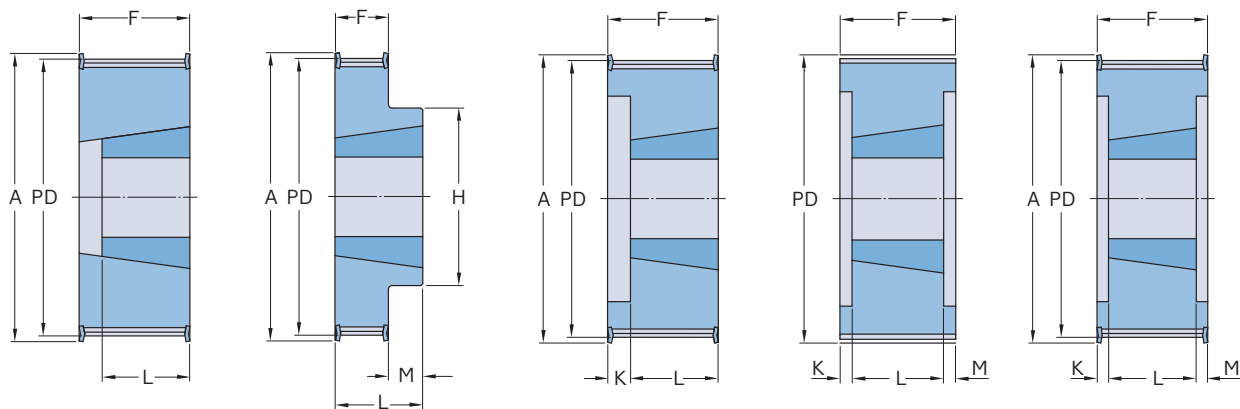


Type 12F

| Pitch | Belt width | Pitch diameter<br>PCD | Number of teeth | Pulley type | Bushing number | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max. | F    | K    | L    | M   | H   | Mass <sup>1)</sup> | Designation     |
|-------|------------|-----------------------|-----------------|-------------|----------------|------------------------------------|-----|-----------|------|------|------|------|-----|-----|--------------------|-----------------|
| mm    |            |                       |                 |             |                | mm                                 |     |           |      |      |      |      |     |     | kg                 |                 |
| 5     | 15         | 54.11                 | 34              | 3F          | 1008           | 52.97                              | 58  | 9         | 25.0 | 20.5 | —    | 22.0 | 1.5 | 43  | 0.19               | PHP 34-5M-15TB  |
|       |            | 57.30                 | 36              | 3F          | 1108           | 56.16                              | 61  | 9         | 28.0 | 20.5 | —    | 22.0 | 1.5 | 45  | 0.20               | PHP 36-5M-15TB  |
|       |            | 60.48                 | 38              | 3F          | 1108           | 59.34                              | 65  | 9         | 28.0 | 20.5 | —    | 22.0 | 1.5 | 48  | 0.25               | PHP 38-5M-15TB  |
|       |            | 63.66                 | 40              | 3F          | 1108           | 62.52                              | 68  | 9         | 28.0 | 20.5 | —    | 22.0 | 1.5 | 52  | 0.31               | PHP 40-5M-15TB  |
|       |            | 70.03                 | 44              | 3F          | 1108           | 68.89                              | 74  | 9         | 28.0 | 20.5 | —    | 22.0 | 1.5 | 54  | 0.40               | PHP 44-5M-15TB  |
|       |            | 76.39                 | 48              | 3F          | 1210           | 75.25                              | 80  | 11        | 32.0 | 20.5 | —    | 25.0 | 4.5 | 64  | 0.45               | PHP 48-5M-15TB  |
|       |            | 89.13                 | 56              | 3F          | 1210           | 87.99                              | 93  | 11        | 32.0 | 20.5 | —    | 25.0 | 4.5 | 70  | 0.67               | PHP 56-5M-15TB  |
|       |            | 101.86                | 64              | 3F          | 1210           | 100.72                             | 106 | 11        | 32.0 | 20.5 | —    | 25.0 | 4.5 | 78  | 0.96               | PHP 64-5M-15TB  |
|       |            | 114.59                | 72              | 3F          | 1610           | 113.45                             | 118 | 14        | 42.0 | 20.5 | —    | 25.0 | 4.5 | 90  | 1.19               | PHP 72-5M-15TB  |
|       |            | 127.32                | 80              | 3F          | 1610           | 126.18                             | 135 | 14        | 42.0 | 20.5 | —    | 25.0 | 4.5 | 92  | 1.57               | PHP 80-5M-15TB  |
|       |            | 143.24                | 90              | 10          | 1610           | 142.10                             | —   | 14        | 42.0 | 20.5 | 2.3  | 25.0 | 2.3 | 92  | 1.47               | PHP 90-5M-15TB  |
|       |            | 178.25                | 112             | 10          | 2012           | 177.11                             | —   | 14        | 42.0 | 20.5 | 2.3  | 25.0 | 2.3 | 92  | 1.94               | PHP 112-5M-15TB |
|       |            | 216.45                | 136             | 10          | 2012           | 215.31                             | —   | 14        | 50.0 | 20.5 | 5.8  | 32.0 | 5.8 | 106 | 3.06               | PHP 136-5M-15TB |
|       |            | 238.73                | 150             | 10          | 2012           | 237.51                             | —   | 14        | 50.0 | 20.5 | 5.8  | 32.0 | 5.8 | 106 | 4.50               | PHP 150-5M-15TB |
| 8     | 20         | 56.02                 | 22              | 4F          | 1108           | 54.65                              | 65  | 9         | 25.0 | 28.0 | 6.0  | 22.0 | —   | —   | 0.24               | PHP 22-8M-20TB  |
|       |            | 61.12                 | 24              | 4F          | 1108           | 59.75                              | 70  | 9         | 28.0 | 28.0 | 6.0  | 22.0 | —   | —   | 0.30               | PHP 24-8M-20TB  |
|       |            | 66.21                 | 26              | 4F          | 1108           | 64.84                              | 75  | 9         | 28.0 | 28.0 | 6.0  | 22.0 | —   | —   | 0.36               | PHP 26-8M-20TB  |
|       |            | 71.30                 | 28              | 4F          | 1108           | 70.08                              | 80  | 9         | 28.0 | 28.0 | 6.0  | 22.0 | —   | —   | 0.44               | PHP 28-8M-20TB  |
|       |            | 76.39                 | 30              | 4F          | 1108           | 75.13                              | 85  | 11        | 28.0 | 28.0 | 6.0  | 22.0 | —   | —   | 0.45               | PHP 30-8M-20TB  |
|       |            | 81.49                 | 32              | 4F          | 1610           | 80.16                              | 90  | 11        | 42.0 | 28.0 | 3.0  | 25.0 | —   | —   | 0.50               | PHP 32-8M-20TB  |
|       |            | 86.58                 | 34              | 4F          | 1610           | 85.22                              | 95  | 14        | 42.0 | 28.0 | 3.0  | 25.0 | —   | —   | 0.55               | PHP 34-8M-20TB  |
|       |            | 91.67                 | 36              | 4F          | 1610           | 90.30                              | 100 | 14        | 42.0 | 28.0 | 3.0  | 25.0 | —   | —   | 0.68               | PHP 36-8M-20TB  |
|       |            | 96.77                 | 38              | 4F          | 1610           | 95.39                              | 106 | 14        | 42.0 | 28.0 | 3.0  | 25.0 | —   | —   | 0.80               | PHP 38-8M-20TB  |
|       |            | 101.86                | 40              | 4F          | 1610           | 100.49                             | 110 | 14        | 42.0 | 28.0 | 3.0  | 25.0 | —   | —   | 1.00               | PHP 40-8M-20TB  |
|       |            | 106.95                | 42              | 4F          | 1610           | 105.58                             | 110 | 14        | 42.0 | 28.0 | 3.0  | 25.0 | —   | —   | 1.11               | PHP 42-8M-20TB  |
|       |            | 112.05                | 44              | 3F          | 2012           | 110.67                             | 121 | 14        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 92  | 1.20               | PHP 44-8M-20TB  |
|       |            | 122.23                | 48              | 3F          | 2012           | 120.86                             | 131 | 14        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 96  | 1.60               | PHP 48-8M-20TB  |
|       |            | 142.60                | 56              | 3F          | 2012           | 141.23                             | 151 | 14        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 110 | 2.40               | PHP 56-8M-20TB  |
|       |            | 152.79                | 60              | 3F          | 2012           | 151.42                             | 162 | 14        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 110 | 2.55               | PHP 60-8M-20TB  |
|       |            | 162.97                | 64              | 12F         | 2012           | 161.60                             | 171 | 14        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 110 | 2.70               | PHP 64-8M-20TB  |
|       |            | 183.35                | 72              | 12F         | 2012           | 181.97                             | 192 | 14        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 110 | 3.30               | PHP 72-8M-20TB  |
|       |            | 203.72                | 80              | 12          | 2012           | 202.35                             | —   | 16        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 110 | 3.50               | PHP 80-8M-20TB  |
|       |            | 229.18                | 90              | 12          | 2012           | 227.81                             | —   | 16        | 50.0 | 28.0 | —    | 32.0 | 4.0 | 110 | 3.65               | PHP 90-8M-20TB  |
| 8     | 30         | 50.93                 | 20              | 4F          | 1008           | 49.56                              | 60  | 9         | 25.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.23               | PHP 20-8M-30TB  |
|       |            | 53.47                 | 21              | 4F          | 1008           | 52.10                              | 65  | 9         | 25.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.26               | PHP 21-8M-30TB  |
|       |            | 56.02                 | 22              | 4F          | 1008           | 54.65                              | 65  | 9         | 25.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.29               | PHP 22-8M-30TB  |
|       |            | 58.57                 | 23              | 4F          | 1108           | 57.20                              | 70  | 9         | 28.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.32               | PHP 23-8M-30TB  |
|       |            | 61.12                 | 24              | 4F          | 1108           | 59.75                              | 70  | 9         | 28.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.38               | PHP 24-8M-30TB  |
|       |            | 63.66                 | 25              | 4F          | 1108           | 62.29                              | 75  | 9         | 28.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.41               | PHP 25-8M-30TB  |
|       |            | 66.21                 | 26              | 4F          | 1108           | 64.84                              | 75  | 9         | 28.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.45               | PHP 26-8M-30TB  |
|       |            | 68.75                 | 27              | 4F          | 1108           | 67.38                              | 80  | 9         | 28.0 | 38.0 | 16.0 | 22.0 | —   | —   | 0.49               | PHP 27-8M-30TB  |
|       |            | 71.30                 | 28              | 4F          | 1210           | 70.08                              | 80  | 11        | 32.0 | 38.0 | 16.0 | 25.0 | —   | —   | 0.50               | PHP 28-8M-30TB  |
|       |            |                       |                 |             |                |                                    |     |           |      |      |      |      |     |     |                    |                 |
|       |            |                       |                 |             |                |                                    |     |           |      |      |      |      |     |     |                    |                 |
|       |            |                       |                 |             |                |                                    |     |           |      |      |      |      |     |     |                    |                 |

<sup>1)</sup> Mass does not include bushings.

HTD pulleys  
8 mm pitch taper bushed



Type 2F

Type 3F

Type 4F

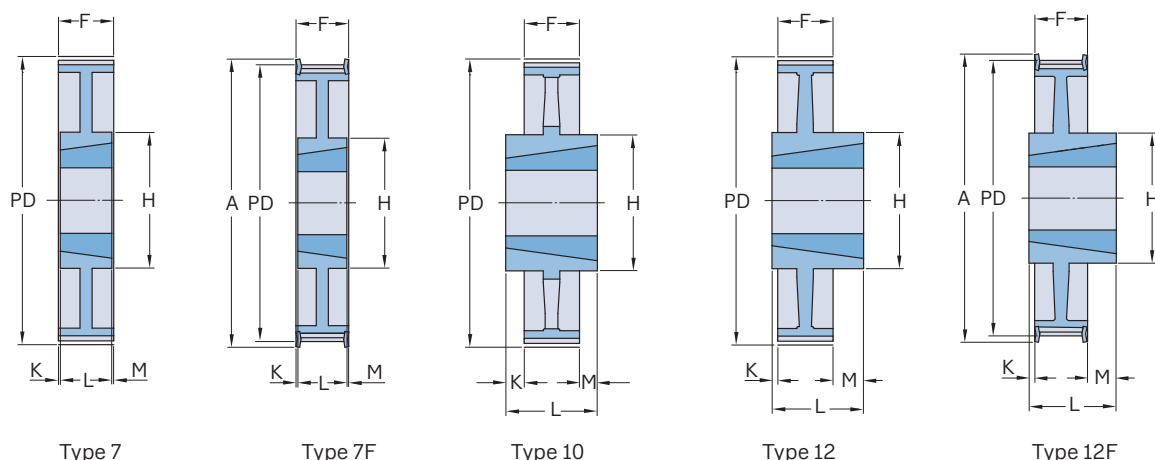
Type 6

Type 6F

| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions        |     |        |       |      |      |      |     |     | Mass <sup>1)</sup> | Designation     |
|-------|------------|--------------------|-----------------|-------------|----------------|-------------------|-----|--------|-------|------|------|------|-----|-----|--------------------|-----------------|
|       |            |                    |                 |             |                | Outer diameter OD | A   | B Min. | Max.  | F    | K    | L    | M   | H   |                    |                 |
| mm    |            |                    | –               | –           | –              | mm                |     |        |       |      |      |      |     |     | kg                 | –               |
| 8     | 30         | 76.39              | 30              | 2F          | 1615           | 75.13             | 85  | 11     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.55               | PHP 30-8M-30TB  |
|       |            | 78.94              | 31              | 2F          | 1615           | 77.57             | 90  | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.57               | PHP 31-8M-30TB  |
|       |            | 81.49              | 32              | 2F          | 1615           | 80.16             | 90  | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.59               | PHP 32-8M-30TB  |
|       |            | 84.03              | 33              | 2F          | 1615           | 82.66             | 95  | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.73               | PHP 33-8M-30TB  |
|       |            | 86.58              | 34              | 2F          | 1615           | 85.22             | 95  | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.77               | PHP 34-8M-30TB  |
|       |            | 89.13              | 35              | 2F          | 1615           | 87.75             | 100 | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.82               | PHP 35-8M-30TB  |
|       |            | 91.67              | 36              | 2F          | 1615           | 90.30             | 100 | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 0.96               | PHP 36-8M-30TB  |
|       |            | 96.77              | 38              | 2F          | 1615           | 95.39             | 106 | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 1.15               | PHP 38-8M-30TB  |
|       |            | 101.86             | 40              | 2F          | 1615           | 100.49            | 110 | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 1.34               | PHP 40-8M-30TB  |
|       |            | 106.95             | 42              | 2F          | 1615           | 105.58            | 110 | 14     | 42.0  | 38.0 | –    | 38.0 | –   | –   | 1.36               | PHP 42-8M-30TB  |
|       |            | 112.05             | 44              | 6F          | 2012           | 110.67            | 121 | 14     | 50.0  | 38.0 | 6.0  | 32.0 | –   | –   | 1.33               | PHP 44-8M-30TB  |
|       |            | 114.59             | 45              | 6F          | 2012           | 113.22            | 121 | 14     | 50.0  | 38.0 | 6.0  | 32.0 | –   | –   | 1.62               | PHP 45-8M-30TB  |
|       |            | 122.23             | 48              | 6F          | 2012           | 120.86            | 131 | 14     | 50.0  | 38.0 | 6.0  | 32.0 | –   | –   | 1.78               | PHP 48-8M-30TB  |
|       |            | 127.32             | 50              | 6F          | 2012           | 125.95            | 136 | 14     | 50.0  | 38.0 | 3.0  | 32.0 | 3.0 | –   | 2.08               | PHP 50-8M-30TB  |
|       |            | 132.42             | 52              | 6F          | 2012           | 131.04            | 141 | 14     | 50.0  | 38.0 | 3.0  | 32.0 | 3.0 | –   | 2.39               | PHP 52-8M-30TB  |
|       |            | 142.60             | 56              | 6F          | 2012           | 141.23            | 151 | 14     | 50.0  | 38.0 | 6.0  | 32.0 | –   | –   | 3.76               | PHP 56-8M-30TB  |
|       |            | 147.70             | 58              | 6F          | 2012           | 146.32            | 156 | 14     | 50.0  | 38.0 | 3.0  | 32.0 | 3.0 | –   | 3.87               | PHP 58-8M-30TB  |
|       |            | 152.79             | 60              | 6F          | 2517           | 151.42            | 162 | 16     | 60.0  | 38.0 | 3.0  | 45.0 | 3.0 | –   | 3.98               | PHP 60-8M-30TB  |
|       |            | 162.97             | 64              | 3F          | 2517           | 161.60            | 171 | 16     | 60.0  | 38.0 | –    | 45.0 | 7.0 | 125 | 4.20               | PHP 64-8M-30TB  |
|       |            | 183.35             | 72              | 12F         | 2517           | 181.97            | 192 | 16     | 60.0  | 38.0 | –    | 45.0 | 7.0 | 125 | 4.30               | PHP 72-8M-30TB  |
|       |            | 203.72             | 80              | 12          | 2517           | 202.35            | –   | 16     | 60.0  | 38.0 | –    | 45.0 | 7.0 | 125 | 4.60               | PHP 80-8M-30TB  |
|       |            | 229.18             | 90              | 12          | 2517           | 227.81            | –   | 16     | 60.0  | 38.0 | –    | 45.0 | 7.0 | 125 | 5.00               | PHP 90-8M-30TB  |
|       |            | 285.21             | 112             | 12          | 2517           | 283.83            | –   | 16     | 60.0  | 38.0 | –    | 45.0 | 7.0 | 125 | 6.20               | PHP 112-8M-30TB |
|       |            | 366.69             | 144             | 12          | 2517           | 365.32            | –   | 16     | 60.0  | 38.0 | –    | 45.0 | 7.0 | 125 | 9.00               | PHP 144-8M-30TB |
|       |            | 427.81             | 168             | 10          | 3020           | 426.44            | –   | 25     | 75.0  | 38.0 | 7.0  | 51.0 | 7.0 | 170 | 15.00              | PHP 168-8M-30TB |
|       |            | 488.92             | 192             | 10          | 3525           | 487.55            | –   | 35     | 100.0 | 38.0 | 14.0 | 65.0 | 7.0 | 198 | 18.50              | PHP 192-8M-30TB |

<sup>1)</sup> Mass does not include bushings.

# HTD pulleys 8 mm pitch taper bushed

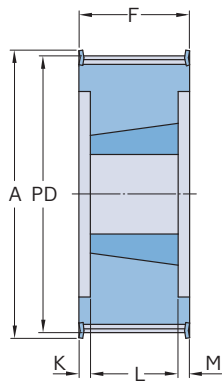


| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions        |     |        |      | F    | K    | L    | M    | H   | Mass <sup>1)</sup> | Designation     |
|-------|------------|--------------------|-----------------|-------------|----------------|-------------------|-----|--------|------|------|------|------|------|-----|--------------------|-----------------|
|       |            |                    |                 |             |                | Outer diameter OD | A   | B Min. | Max. |      |      |      |      |     |                    |                 |
| mm    |            |                    | –               | –           | –              | mm                |     |        |      |      |      |      |      |     | kg                 | –               |
| 8     | 50         | 61.12              | 24              | 6F          | 1108           | 59.75             | 70  | 9      | 32.0 | 60.0 | 19.0 | 22.0 | 19.0 | –   | 0.35               | PHP 24-8M-50TB  |
|       |            | 66.21              | 26              | 6F          | 1108           | 64.84             | 75  | 9      | 32.0 | 60.0 | 19.0 | 22.0 | 19.0 | –   | 0.48               | PHP 26-8M-50TB  |
|       |            | 68.75              | 27              | 6F          | 1108           | 67.38             | 75  | 9      | 32.0 | 60.0 | 19.0 | 22.0 | 19.0 | –   | 0.55               | PHP 27-8M-50TB  |
|       |            | 71.30              | 28              | 4F          | 1210           | 70.08             | 80  | 11     | 32.0 | 60.0 | 35.0 | 22.0 | 35.0 | –   | 0.60               | PHP 28-8M-50TB  |
|       |            | 76.39              | 30              | 4F          | 1615           | 75.13             | 85  | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 0.65               | PHP 30-8M-50TB  |
|       |            | 78.94              | 31              | 4F          | 1615           | 77.57             | 87  | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 0.77               | PHP 31-8M-50TB  |
|       |            | 81.49              | 32              | 4F          | 1615           | 80.16             | 90  | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 0.82               | PHP 32-8M-50TB  |
|       |            | 84.03              | 33              | 4F          | 1615           | 82.66             | 90  | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 0.98               | PHP 33-8M-50TB  |
|       |            | 86.58              | 34              | 4F          | 1615           | 85.22             | 95  | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 1.06               | PHP 34-8M-50TB  |
|       |            | 89.13              | 35              | 4F          | 1615           | 87.75             | 95  | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 1.18               | PHP 35-8M-50TB  |
|       |            | 91.67              | 36              | 4F          | 1615           | 90.30             | 100 | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 1.30               | PHP 36-8M-50TB  |
|       |            | 96.77              | 38              | 4F          | 1615           | 95.39             | 105 | 14     | 42.0 | 60.0 | 23.0 | 25.0 | –    | –   | 1.60               | PHP 38-8M-50TB  |
|       |            | 101.86             | 40              | 4F          | 2012           | 100.49            | 110 | 14     | 50.0 | 60.0 | 29.0 | 32.0 | –    | –   | 1.71               | PHP 40-8M-50TB  |
|       |            | 106.95             | 42              | 4F          | 2012           | 105.58            | 111 | 14     | 50.0 | 60.0 | 29.0 | 32.0 | 28.0 | –   | 1.75               | PHP 42-8M-50TB  |
|       |            | 112.05             | 44              | 6F          | 2012           | 110.67            | 121 | 14     | 50.0 | 60.0 | –    | 32.0 | 28.0 | –   | 1.78               | PHP 44-8M-50TB  |
|       |            | 114.59             | 45              | 6F          | 2012           | 113.22            | 121 | 14     | 50.0 | 60.0 | –    | 32.0 | 28.0 | –   | 1.91               | PHP 45-8M-50TB  |
|       |            | 122.23             | 48              | 6F          | 2012           | 120.86            | 131 | 14     | 50.0 | 60.0 | –    | 32.0 | 28.0 | –   | 2.30               | PHP 48-8M-50TB  |
|       |            | 127.32             | 50              | 6F          | 2012           | 125.95            | 131 | 14     | 50.0 | 60.0 | –    | 32.0 | 28.0 | –   | 2.58               | PHP 50-8M-50TB  |
|       |            | 132.42             | 52              | 6F          | 2012           | 131.04            | 140 | 14     | 50.0 | 60.0 | –    | 32.0 | 28.0 | –   | 2.85               | PHP 52-8M-50TB  |
|       |            | 142.60             | 56              | 6F          | 2517           | 141.23            | 151 | 16     | 60.0 | 60.0 | –    | 45.0 | 15.0 | –   | 3.40               | PHP 56-8M-50TB  |
|       |            | 147.70             | 58              | 6F          | 2517           | 146.32            | 156 | 16     | 60.0 | 60.0 | –    | 45.0 | 15.0 | –   | 3.80               | PHP 58-8M-50TB  |
|       |            | 152.79             | 60              | 6F          | 2517           | 151.42            | 158 | 16     | 60.0 | 60.0 | –    | 45.0 | 15.0 | –   | 4.20               | PHP 60-8M-50TB  |
|       |            | 162.97             | 64              | 6F          | 2517           | 161.60            | 171 | 16     | 60.0 | 60.0 | –    | 45.0 | 15.0 | –   | 5.00               | PHP 64-8M-50TB  |
|       |            | 183.35             | 72              | 7F          | 2517           | 181.97            | 192 | 16     | 60.0 | 60.0 | 7.5  | 45.0 | 7.5  | 125 | 6.70               | PHP 72-8M-50TB  |
|       |            | 203.72             | 80              | 6           | 3020           | 202.35            | –   | 25     | 75.0 | 60.0 | 4.5  | 45.0 | 4.5  | –   | 8.80               | PHP 80-8M-50TB  |
|       |            | 229.18             | 90              | 7           | 3020           | 227.81            | –   | 25     | 75.0 | 60.0 | 4.5  | 51.0 | 4.5  | 160 | 10.00              | PHP 90-8M-50TB  |
|       |            | 285.21             | 112             | 7           | 3020           | 283.83            | –   | 25     | 75.0 | 60.0 | 4.5  | 51.0 | 4.5  | 170 | 12.00              | PHP 112-8M-50TB |

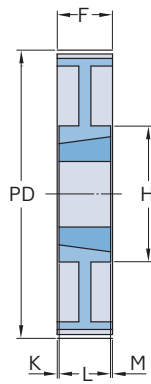
<sup>1)</sup> Mass does not include bushings.

## HTD pulleys

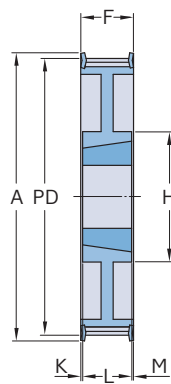
8 mm pitch taper bushed | 14 mm pitch taper bushed



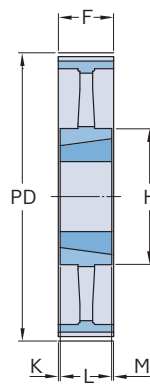
Type 6F



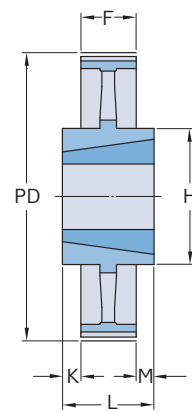
Type 7



Type 7F



Type 8



Type 10

| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions        |     |        |       |      |      |      |      |     |       |                  | Mass <sup>1)</sup> | Designation |
|-------|------------|--------------------|-----------------|-------------|----------------|-------------------|-----|--------|-------|------|------|------|------|-----|-------|------------------|--------------------|-------------|
|       |            |                    |                 |             |                | Outer diameter OD | A   | B Min. | Max.  | F    | K    | L    | M    | H   |       |                  | kg                 | –           |
| mm    |            |                    | –               | –           | –              | mm                |     |        |       |      |      |      |      |     |       |                  |                    |             |
| 8     | 50         | 366.69             | 144             | 8           | 3020           | 365.32            | –   | 25     | 75.0  | 60.0 | 4.5  | 51.0 | 4.5  | 170 | 15.20 | PHP 144-8M-50TB  |                    |             |
|       |            | 427.81             | 168             | 10          | 3525           | 426.44            | –   | 25     | 100.0 | 60.0 | 4.5  | 51.0 | 4.5  | 170 | 16.40 | PHP 168-8M-50TB  |                    |             |
|       |            | 488.92             | 192             | 10          | 3525           | 487.55            | –   | 25     | 100.0 | 60.0 | 4.5  | 51.0 | 4.5  | 170 | 21.80 | PHP 192-8M-50TB  |                    |             |
| 8     | 85         | 61.12              | 24              | 6F          | 1108           | 59.75             | 70  | 9      | 28.0  | 95.0 | 36.5 | 22.0 | 36.5 | –   | 0.46  | PHP 24-8M-85TB   |                    |             |
|       |            | 66.21              | 26              | 6F          | 1108           | 64.84             | 75  | 9      | 28.0  | 95.0 | 36.5 | 22.0 | 36.5 | –   | 0.64  | PHP 26-8M-85TB   |                    |             |
|       |            | 71.30              | 28              | 6F          | 1108           | 70.08             | 80  | 9      | 28.0  | 95.0 | 36.5 | 22.0 | 36.5 | –   | 0.82  | PHP 28-8M-85TB   |                    |             |
|       |            | 76.39              | 30              | 6F          | 1615           | 75.13             | 85  | 14     | 42.0  | 95.0 | 36.5 | 22.0 | 36.5 | –   | 1.17  | PHP 30-8M-85TB   |                    |             |
|       |            | 84.03              | 33              | 6F          | 1615           | 82.66             | 90  | 14     | 42.0  | 95.0 | 36.5 | 22.0 | 36.5 | –   | 1.34  | PHP 33-8M-85TB   |                    |             |
|       |            | 86.58              | 34              | 6F          | 1615           | 85.22             | 95  | 14     | 42.0  | 95.0 | 28.5 | 38.0 | 28.5 | –   | 1.43  | PHP 34-8M-85TB   |                    |             |
|       |            | 89.13              | 35              | 6F          | 1615           | 87.75             | 95  | 14     | 42.0  | 95.0 | 28.5 | 38.0 | 28.5 | –   | 1.54  | PHP 35-8M-85TB   |                    |             |
|       |            | 91.67              | 36              | 6F          | 1615           | 90.30             | 100 | 14     | 42.0  | 95.0 | 28.5 | 38.0 | 28.5 | –   | 1.87  | PHP 36-8M-85TB   |                    |             |
|       |            | 96.77              | 38              | 6F          | 1615           | 95.39             | 106 | 14     | 42.0  | 95.0 | 28.5 | 38.0 | 28.5 | –   | 2.20  | PHP 38-8M-85TB   |                    |             |
|       |            | 101.86             | 40              | 6F          | 2012           | 100.49            | 95  | 14     | 50.0  | 95.0 | 31.5 | 32.0 | 31.5 | –   | 1.80  | PHP 40-8M-85TB   |                    |             |
|       |            | 106.95             | 42              | 6F          | 2012           | 105.58            | 95  | 14     | 50.0  | 95.0 | 31.5 | 32.0 | 31.5 | –   | 2.16  | PHP 42-8M-85TB   |                    |             |
|       |            | 112.05             | 44              | 6F          | 2012           | 110.67            | 100 | 14     | 50.0  | 95.0 | 31.5 | 32.0 | 31.5 | –   | 2.30  | PHP 44-8M-85TB   |                    |             |
|       |            | 114.59             | 45              | 6F          | 2012           | 113.22            | 106 | 14     | 50.0  | 95.0 | 31.5 | 32.0 | 31.5 | –   | 2.39  | PHP 45-8M-85TB   |                    |             |
|       |            | 122.23             | 48              | 6F          | 2517           | 120.86            | 110 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 2.66  | PHP 48-8M-85TB   |                    |             |
|       |            | 127.32             | 50              | 6F          | 2517           | 125.95            | 110 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 3.11  | PHP 50-8M-85TB   |                    |             |
|       |            | 132.42             | 52              | 6F          | 2517           | 131.04            | 121 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 3.56  | PHP 52-8M-85TB   |                    |             |
|       |            | 142.60             | 56              | 6F          | 2517           | 141.23            | 121 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 4.45  | PHP 56-8M-85TB   |                    |             |
|       |            | 147.70             | 58              | 6F          | 2517           | 146.32            | 131 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 4.89  | PHP 58-8M-85TB   |                    |             |
|       |            | 152.79             | 60              | 6F          | 2517           | 151.42            | 131 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 5.33  | PHP 60-8M-85TB   |                    |             |
|       |            | 162.97             | 64              | 7F          | 2517           | 161.60            | 140 | 16     | 60.0  | 95.0 | 25.0 | 45.0 | 25.0 | –   | 6.20  | PHP 64-8M-85TB   |                    |             |
|       |            | 183.35             | 72              | 7           | 3020           | 181.97            | 151 | 25     | 75.0  | 95.0 | 22.0 | 51.0 | 22.0 | –   | 8.00  | PHP 72-8M-85TB   |                    |             |
|       |            | 203.72             | 80              | 8           | 3020           | 202.35            | 158 | 25     | 75.0  | 95.0 | 22.0 | 51.0 | 22.0 | –   | 10.00 | PHP 80-8M-85TB   |                    |             |
|       |            | 229.18             | 90              | 8           | 3020           | 227.81            | 158 | 25     | 75.0  | 95.0 | 22.0 | 51.0 | 22.0 | –   | 10.80 | PHP 90-8M-85TB   |                    |             |
|       |            | 285.21             | 112             | 8           | 3020           | 283.83            | 171 | 25     | 75.0  | 95.0 | 22.0 | 51.0 | 22.0 | 170 | 15.00 | PHP 112-8M-85TB  |                    |             |
|       |            | 366.69             | 144             | 8           | 3535           | 365.32            | 192 | 35     | 90.0  | 95.0 | 3.0  | 89.0 | 3.0  | 190 | 20.00 | PHP 144-8M-85TB  |                    |             |
|       |            | 427.81             | 168             | 8           | 3535           | 426.44            | –   | 35     | 90.0  | 95.0 | 3.0  | 89.0 | 3.0  | 190 | 23.00 | PHP 168-8M-85TB  |                    |             |
|       |            | 488.92             | 192             | 8           | 3535           | 487.55            | –   | 35     | 90.0  | 95.0 | 3.0  | 89.0 | 3.0  | 190 | 28.50 | PHP 192-8M-85TB  |                    |             |
| 14    | 40         | 124.78             | 28              | 6F          | 2012           | 122.12            | –   | 14     | 50.0  | 54.0 | 11.0 | 32.0 | 11.0 | –   | 2.66  | PHP 28-14M-40TB  |                    |             |
|       |            | 129.23             | 29              | 6F          | 2012           | 126.57            | –   | 14     | 50.0  | 54.0 | 11.0 | 32.0 | 11.0 | –   | 2.66  | PHP 29-14M-40TB  |                    |             |
|       |            | 133.69             | 30              | 6F          | 2012           | 130.99            | –   | 14     | 50.0  | 54.0 | 11.0 | 32.0 | 11.0 | –   | 2.89  | PHP 30-14M-40TB  |                    |             |
|       |            | 142.60             | 32              | 6F          | 2012           | 139.88            | –   | 14     | 50.0  | 54.0 | 11.0 | 32.0 | 11.0 | –   | 3.51  | PHP 32-14M-40TB  |                    |             |
|       |            | 151.52             | 34              | 6F          | 2517           | 148.79            | 141 | 16     | 60.0  | 54.0 | 4.5  | 45.0 | 4.5  | –   | 3.87  | PHP 34-14M-40TB  |                    |             |
|       |            | 155.97             | 35              | 6F          | 2517           | 153.18            | 141 | 16     | 60.0  | 54.0 | 4.5  | 45.0 | 4.5  | –   | 4.34  | PHP 35-14M-40TB  |                    |             |
|       |            | 160.43             | 36              | 6F          | 2517           | 157.68            | 156 | 16     | 60.0  | 54.0 | 4.5  | 45.0 | 4.5  | –   | 4.62  | PHP 36-14M-40TB  |                    |             |
|       |            | 169.34             | 38              | 6F          | 2517           | 166.60            | 156 | 16     | 60.0  | 54.0 | 4.5  | 45.0 | 4.5  | –   | 5.40  | PHP 38-14M-40TB  |                    |             |
|       |            | 178.25             | 40              | 6F          | 2517           | 175.49            | 165 | 16     | 60.0  | 54.0 | 4.5  | 45.0 | 4.5  | –   | 6.23  | PHP 40-14M-40TB  |                    |             |
|       |            | 187.17             | 42              | 6F          | 2517           | 184.37            | 173 | 16     | 60.0  | 54.0 | 4.5  | 45.0 | 4.5  | –   | 6.75  | PHP 42-14M-40TB  |                    |             |
|       |            | 196.08             | 44              | 6F          | 3020           | 193.28            | 173 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | –   | 7.26  | PHP 44-14M-40TB  |                    |             |
|       |            | 200.54             | 45              | 6F          | 3020           | 197.74            | 182 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | –   | 8.20  | PHP 45-14M-40TB  |                    |             |
|       |            | 213.90             | 48              | 6F          | 3020           | 211.11            | 191 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | –   | 9.33  | PHP 48-14M-40TB  |                    |             |
|       |            | 222.82             | 50              | 6F          | 3020           | 220.02            | 209 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | –   | 10.10 | PHP 50-14M-40TB  |                    |             |
|       |            | 249.55             | 56              | 6F          | 3020           | 246.76            | 209 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | –   | 10.80 | PHP 56-14M-40TB  |                    |             |
|       |            | 267.38             | 60              | 7F          | 3020           | 264.59            | 227 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 13.10 | PHP 60-14M-40TB  |                    |             |
|       |            | 285.21             | 64              | 7F          | 3020           | 282.41            | 227 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 15.40 | PHP 64-14M-40TB  |                    |             |
|       |            | 320.86             | 72              | 7           | 3020           | 318.06            | 246 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 19.75 | PHP 72-14M-40TB  |                    |             |
|       |            | 356.51             | 80              | 8           | 3020           | 353.71            | 264 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 20.00 | PHP 80-14M-40TB  |                    |             |
|       |            | 401.07             | 90              | 8           | 3020           | 398.28            | 281 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 21.80 | PHP 90-14M-40TB  |                    |             |
|       |            | 499.11             | 112             | 8           | 3020           | 496.32            | 296 | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 29.60 | PHP 112-14M-40TB |                    |             |
|       |            | 641.71             | 144             | 8           | 3020           | 638.92            | –   | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 36.00 | PHP 144-14M-40TB |                    |             |
|       |            | 748.66             | 168             | 8           | 3020           | 745.87            | –   | 25     | 75.0  | 54.0 | 1.5  | 51.0 | 1.5  | 170 | 48.00 | PHP 168-14M-40TB |                    |             |

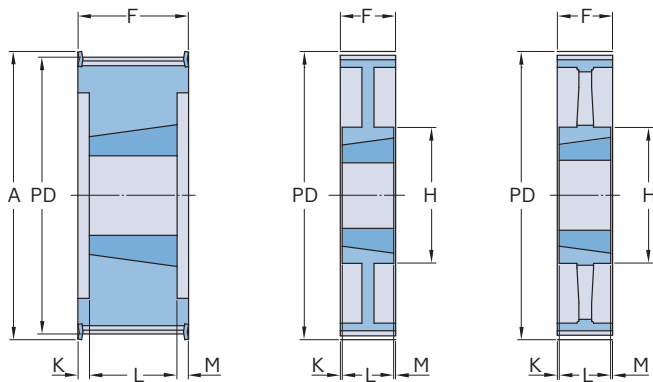
<sup>1)</sup> Mass does not include bushings.

# HTD pulleys 8 mm pitch taper bushed

| Pitch | Belt width | Pitch diameter<br>PCD | Number of teeth | Pulley type | Bushing number | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max.  | F     | K    | L     | M    | H   | Mass <sup>1)</sup> | Designation       |
|-------|------------|-----------------------|-----------------|-------------|----------------|------------------------------------|-----|-----------|-------|-------|------|-------|------|-----|--------------------|-------------------|
| mm    |            |                       | –               | –           | –              | mm                                 |     |           |       |       |      |       |      |     | kg                 | –                 |
| 14    | 40         | 855.62                | 192             | 8           | 3020           | 852.82                             | –   | 25        | 75.0  | 54.0  | 1.5  | 51.0  | 1.5  | 170 | 53.00              | PHP 192-14M-40TB  |
|       |            | 962.56                | 216             | 8           | 3020           | 960.00                             | –   | 25        | 75.0  | 54.0  | 1.5  | 51.0  | 1.5  | 170 | 60.00              | PHP 216-14M-40TB  |
| 14    | 55         | 124.78                | 28              | 6F          | 2012           | 122.12                             | 141 | 14        | 50.0  | 70.0  | 19.0 | 32.0  | 19.0 | –   | 2.88               | PHP 28-14M-55TB   |
|       |            | 129.23                | 29              | 6F          | 2012           | 126.57                             | 141 | 14        | 50.0  | 70.0  | 19.0 | 32.0  | 19.0 | –   | 3.18               | PHP 29-14M-55TB   |
|       |            | 133.69                | 30              | 6F          | 2517           | 130.99                             | 156 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 3.21               | PHP 30-14M-55TB   |
|       |            | 142.60                | 32              | 6F          | 2517           | 139.88                             | 156 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 3.90               | PHP 32-14M-55TB   |
|       |            | 151.51                | 34              | 6F          | 2517           | 148.79                             | 165 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 4.55               | PHP 34-14M-55TB   |
|       |            | 155.97                | 35              | 6F          | 2517           | 153.18                             | 173 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 4.88               | PHP 35-14M-55TB   |
|       |            | 160.43                | 36              | 6F          | 2517           | 157.68                             | 173 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 5.20               | PHP 36-14M-55TB   |
|       |            | 169.34                | 38              | 6F          | 2517           | 166.60                             | 182 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 6.20               | PHP 38-14M-55TB   |
|       |            | 178.25                | 40              | 6F          | 2517           | 175.49                             | 191 | 16        | 60.0  | 70.0  | 12.5 | 45.0  | 12.5 | –   | 7.00               | PHP 40-14M-55TB   |
|       |            | 187.17                | 42              | 6F          | 3020           | 184.37                             | 209 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | –   | 7.80               | PHP 42-14M-55TB   |
|       |            | 196.08                | 44              | 6F          | 3020           | 193.28                             | 209 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | –   | 8.42               | PHP 44-14M-55TB   |
|       |            | 200.54                | 45              | 6F          | 3020           | 197.74                             | 227 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | –   | 9.51               | PHP 45-14M-55TB   |
|       |            | 213.90                | 48              | 6F          | 3020           | 211.11                             | 227 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | –   | 10.64              | PHP 48-14M-55TB   |
|       |            | 228.82                | 50              | 6F          | 3020           | 220.02                             | 246 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | –   | 11.52              | PHP 50-14M-55TB   |
|       |            | 249.55                | 56              | 6F          | 3020           | 246.76                             | 264 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | –   | 12.40              | PHP 56-14M-55TB   |
|       |            | 267.38                | 60              | 7F          | 3020           | 264.59                             | 281 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 14.00              | PHP 60-14M-55TB   |
|       |            | 285.21                | 64              | 7F          | 3020           | 282.41                             | 298 | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 15.18              | PHP 64-14M-55TB   |
|       |            | 320.86                | 72              | 7           | 3020           | 318.06                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 20.00              | PHP 72-14M-55TB   |
|       |            | 356.51                | 80              | 8           | 3020           | 353.71                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 22.50              | PHP 80-14M-55TB   |
|       |            | 401.07                | 90              | 8           | 3020           | 398.28                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 25.00              | PHP 90-14M-55TB   |
|       |            | 499.11                | 112             | 8           | 3020           | 496.32                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 33.40              | PHP 112-14M-55TB  |
|       |            | 641.71                | 144             | 8           | 3020           | 638.92                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 46.50              | PHP 144-14M-55TB  |
|       |            | 748.66                | 168             | 8           | 3020           | 745.87                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 58.50              | PHP 168-14M-55TB  |
|       |            | 855.62                | 192             | 8           | 3020           | 852.82                             | –   | 25        | 75.0  | 70.0  | 9.5  | 51.0  | 9.5  | 170 | 62.00              | PHP 192-14M-55TB  |
|       |            | 962.56                | 216             | 10          | 3535           | 960.00                             | –   | 35        | 90.0  | 70.0  | 9.5  | 51.0  | 9.5  | 190 | 74.80              | PHP 216-14M-55TB  |
| 14    | 85         | 124.78                | 28              | 6F          | 2517           | 122.12                             | 141 | 16        | 60.0  | 102.0 | 28.5 | 45.0  | 28.5 | –   | 2.70               | PHP 28-14M-85TB   |
|       |            | 129.23                | 29              | 6F          | 2517           | 126.57                             | 141 | 16        | 60.0  | 102.0 | 28.5 | 45.0  | 28.5 | –   | 3.40               | PHP 29-14M-85TB   |
|       |            | 133.69                | 30              | 6F          | 2517           | 130.99                             | 156 | 16        | 60.0  | 102.0 | 28.5 | 45.0  | 28.5 | –   | 3.75               | PHP 30-14M-85TB   |
|       |            | 142.60                | 32              | 6F          | 2517           | 139.88                             | 156 | 16        | 60.0  | 102.0 | 28.5 | 45.0  | 28.5 | –   | 4.80               | PHP 32-14M-85TB   |
|       |            | 151.51                | 34              | 6F          | 2517           | 148.79                             | 165 | 16        | 60.0  | 102.0 | 28.5 | 45.0  | 28.5 | –   | 6.00               | PHP 34-14M-85TB   |
|       |            | 155.97                | 35              | 6F          | 2517           | 153.18                             | 173 | 16        | 75.0  | 102.0 | 25.5 | 51.0  | 25.5 | –   | 6.33               | PHP 35-14M-85TB   |
|       |            | 160.43                | 36              | 6F          | 3020           | 157.68                             | 173 | 25        | 75.0  | 102.0 | 25.5 | 51.0  | 25.5 | –   | 6.67               | PHP 36-14M-85TB   |
|       |            | 169.34                | 38              | 6F          | 3020           | 166.60                             | 182 | 25        | 75.0  | 102.0 | 25.5 | 51.0  | 25.5 | –   | 6.80               | PHP 38-14M-85TB   |
|       |            | 178.25                | 40              | 6F          | 3020           | 175.49                             | 191 | 25        | 75.0  | 102.0 | 25.5 | 51.0  | 25.5 | –   | 8.00               | PHP 40-14M-85TB   |
|       |            | 181.17                | 42              | 6F          | 3020           | 184.37                             | 209 | 25        | 75.0  | 102.0 | 13.0 | 76.0  | 13.0 | –   | 9.90               | PHP 42-14M-85TB   |
|       |            | 196.08                | 44              | 6F          | 3020           | 193.28                             | 209 | 25        | 75.0  | 102.0 | 13.0 | 76.0  | 13.0 | –   | 11.80              | PHP 44-14M-85TB   |
|       |            | 200.54                | 45              | 6F          | 3020           | 197.74                             | 227 | 25        | 75.0  | 102.0 | 13.0 | 76.0  | 13.0 | –   | 12.63              | PHP 45-14M-85TB   |
|       |            | 213.90                | 48              | 6F          | 3020           | 211.11                             | 227 | 25        | 75.0  | 102.0 | 13.0 | 76.0  | 13.0 | –   | 15.10              | PHP 48-14M-85TB   |
|       |            | 222.82                | 50              | 6F          | 3525           | 220.02                             | 246 | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | –   | 16.08              | PHP 50-14M-85TB   |
|       |            | 249.55                | 56              | 6F          | 3525           | 246.76                             | 264 | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | –   | 19.00              | PHP 56-14M-85TB   |
|       |            | 267.38                | 60              | 6F          | 3525           | 264.59                             | 281 | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | –   | 21.00              | PHP 60-14M-85TB   |
|       |            | 285.21                | 64              | 7F          | 3525           | 282.41                             | 298 | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | 190 | 23.00              | PHP 64-14M-85TB   |
|       |            | 320.86                | 72              | 7           | 3525           | 318.06                             | –   | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | 190 | 25.00              | PHP 72-14M-85TB   |
|       |            | 356.51                | 80              | 8           | 3525           | 353.71                             | –   | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | 190 | 26.00              | PHP 80-14M-85TB   |
|       |            | 401.07                | 90              | 8           | 3525           | 398.28                             | –   | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | 190 | 27.80              | PHP 90-14M-85TB   |
|       |            | 499.11                | 112             | 8           | 3525           | 496.32                             | –   | 35        | 90.0  | 102.0 | 18.5 | 65.0  | 18.5 | 190 | 36.50              | PHP 112-14M-85TB  |
|       |            | 641.71                | 144             | 8           | 3525           | 638.92                             | –   | 40        | 100.0 | 102.0 | 18.5 | 65.0  | 18.5 | 230 | 48.00              | PHP 144-14M-85TB  |
|       |            | 748.66                | 168             | 8           | 3525           | 745.87                             | –   | 40        | 100.0 | 102.0 | 18.5 | 65.0  | 18.5 | 230 | 60.00              | PHP 168-14M-85TB  |
|       |            | 855.62                | 192             | 8           | 4040           | 852.82                             | –   | 40        | 100.0 | 102.0 | –    | 102.0 | –    | 230 | 86.00              | PHP 192-14M-85TB  |
|       |            | 962.56                | 216             | 8           | 4040           | 960.00                             | –   | 40        | 100.0 | 102.0 | –    | 102.0 | –    | 230 | 119.50             | PHP 216-14M-85TB  |
| 14    | 115        | 124.78                | 28              | 6F          | 2517           | 122.12                             | 141 | 16        | 60.0  | 133.0 | 44.0 | 45.0  | 44.0 | –   | 3.77               | PHP 28-14M-115TB  |
|       |            | 129.23                | 29              | 6F          | 2517           | 126.57                             | 141 | 16        | 60.0  | 133.0 | 44.0 | 45.0  | 44.0 | –   | 4.00               | PHP 29-14M-115TB  |
|       |            | 133.69                | 30              | 6F          | 2517           | 130.99                             | 156 | 16        | 60.0  | 133.0 | 44.0 | 45.0  | 44.0 | –   | 5.00               | PHP 30-14M-115TB  |
|       |            | 142.60                | 32              | 6F          | 2517           | 139.88                             | 156 | 16        | 60.0  | 133.0 | 44.0 | 45.0  | 44.0 | –   | 6.00               | PHP 32-14M-115TB  |
|       |            | 151.52                | 34              | 6F          | 2517           | 148.79                             | 165 | 16        | 60.0  | 133.0 | 44.0 | 45.0  | 44.0 | –   | 7.20               | PHP 34-14M-115TB  |
|       |            | 155.97                | 35              | 6F          | 3020           | 153.18                             | 173 | 25        | 75.0  | 133.0 | 41.0 | 51.0  | 41.0 | –   | 7.00               | PHP 35-14M-115TB  |
|       |            | 160.43                | 36              | 6F          | 3020           | 157.68                             | 173 | 25        | 75.0  | 133.0 | 41.0 | 51.0  | 41.0 | –   | 7.30               | PHP 36-14M-115TB  |
|       |            | 169.34                | 38              | 6F          | 3020           | 166.60                             | 182 | 25        | 75.0  | 133.0 | 41.0 | 51.0  | 41.0 | –   | 8.40               | PHP 38-14M-115TB  |
|       |            | 178.25                | 40              | 6F          | 3020           | 175.49                             | 191 | 25        | 75.0  | 133.0 | 41.0 | 51.0  | 41.0 | –   | 9.20               | PHP 40-14M-115TB  |
|       |            | 187.17                | 42              | 6F          | 3030           | 184.37                             | 209 | 35        | 75.0  | 133.0 | 28.5 | 76.0  | 28.5 | –   | 11.60              | PHP 42-14M-115TB  |
|       |            | 196.08                | 44              | 6F          | 3030           | 193.28                             | 209 | 35        | 75.0  | 133.0 | 28.5 | 76.0  | 28.5 | –   | 14.00              | PHP 44-14M-115TB  |
|       |            | 200.54                | 45              | 6F          | 3030           | 197.74                             | 227 | 35        | 75.0  | 133.0 | 28.5 | 76.0  | 28.5 | –   | 15.60              | PHP 45-14M-115TB  |
|       |            | 213.90                | 48              | 6F          | 3030           | 211.11                             | 227 | 35        | 75.0  | 133.0 | 28.5 | 76.0  | 28.5 | –   | 17.10              | PHP 48-14M-115TB  |
|       |            | 222.82                | 50              | 6F          | 3535           | 220.02                             | 246 | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | –   | 21.00              | PHP 50-14M-115TB  |
|       |            | 249.55                | 56              | 6F          | 3535           | 246.76                             | 264 | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | –   | 24.80              | PHP 56-14M-115TB  |
|       |            | 267.38                | 60              | 6F          | 3535           | 264.59                             | 281 | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | –   | 25.90              | PHP 60-14M-115TB  |
|       |            | 285.21                | 64              | 7F          | 3535           | 282.41                             | 298 | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | 190 | 27.00              | PHP 64-14M-115TB  |
|       |            | 320.86                | 72              | 7           | 3535           | 318.06                             | –   | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | 190 | 33.00              | PHP 72-14M-115TB  |
|       |            | 356.51                | 80              | 7           | 3535           | 353.71                             | –   | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | 190 | 37.00              | PHP 80-14M-115TB  |
|       |            | 401.07                | 90              | 7           | 3535           | 398.28                             | –   | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | 190 | 42.00              | PHP 90-14M-115TB  |
|       |            | 499.11                | 112             | 8           | 3535           | 496.32                             | –   | 35        | 90.0  | 133.0 | 22.0 | 89.0  | 22.0 | 190 | 56.00              | PHP 112-14M-115TB |

<sup>1)</sup> Mass does not include bushings.

# HTD pulleys 14 mm pitch taper bushed



Type 6F

Type 7

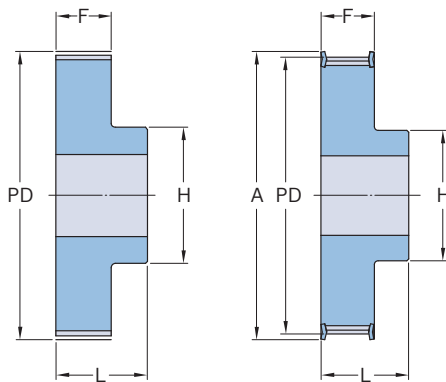
Type 8

| Pitch | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions<br>Outer diameter OD | A   | B<br>Min. | Max.  | F     | K    | L     | M    | H   | Mass <sup>1)</sup> | Designation       |
|-------|------------|--------------------|-----------------|-------------|----------------|---------------------------------|-----|-----------|-------|-------|------|-------|------|-----|--------------------|-------------------|
| mm    |            |                    | –               | –           | –              | mm                              |     |           |       |       |      |       |      |     | kg                 | –                 |
| 14    | 115        | 641.71             | 144             | 8           | 4040           | 638.92                          | –   | 40        | 100.0 | 133.0 | 15.5 | 102.0 | 15.5 | 230 | 75.00              | PHP 144-14M-115TB |
|       |            | 748.66             | 168             | 8           | 4040           | 745.87                          | –   | 40        | 100.0 | 133.0 | 15.5 | 102.0 | 15.5 | 230 | 92.60              | PHP 168-14M-115TB |
|       |            | 855.62             | 192             | 8           | 4040           | 852.92                          | –   | 40        | 100.0 | 133.0 | 15.5 | 102.0 | 15.5 | 230 | 230.00             | PHP 192-14M-115TB |
|       |            | 962.57             | 216             | 8           | 4040           | 959.76                          | –   | 40        | 100.0 | 133.0 | 15.5 | 102.0 | 15.5 | 230 | 127.00             | PHP 216-14M-115TB |
| 14    | 170        | 155.97             | 35              | 6F          | 3030           | 153.18                          | 173 | 35        | 75.0  | 187.0 | 55.5 | 76.0  | 55.5 | –   | 10.60              | PHP 35-14M-170TB  |
|       |            | 160.43             | 36              | 6F          | 3030           | 157.68                          | 173 | 35        | 75.0  | 187.0 | 55.5 | 76.0  | 55.5 | –   | 11.20              | PHP 36-14M-170TB  |
|       |            | 169.34             | 38              | 6F          | 3030           | 167.00                          | 182 | 35        | 75.0  | 187.0 | 55.5 | 76.0  | 55.5 | –   | 11.70              | PHP 38-14M-170TB  |
|       |            | 178.25             | 40              | 6F          | 3030           | 175.00                          | 191 | 35        | 75.0  | 187.0 | 55.5 | 76.0  | 55.5 | –   | 13.00              | PHP 40-14M-170TB  |
|       |            | 187.17             | 42              | 6F          | 3535           | 184.37                          | 202 | 35        | 90.0  | 187.0 | 49.0 | 89.0  | 49.0 | –   | 14.00              | PHP 42-14M-170TB  |
|       |            | 196.08             | 44              | 6F          | 3535           | 193.00                          | 209 | 35        | 90.0  | 187.0 | 49.0 | 89.0  | 49.0 | –   | 15.00              | PHP 44-14M-170TB  |
|       |            | 200.54             | 45              | 6F          | 3535           | 197.74                          | 212 | 35        | 90.0  | 187.0 | 49.0 | 89.0  | 49.0 | –   | 16.00              | PHP 45-14M-170TB  |
|       |            | 213.90             | 48              | 6F          | 3535           | 211.00                          | 227 | 35        | 90.0  | 187.0 | 49.0 | 89.0  | 49.0 | –   | 19.00              | PHP 48-14M-170TB  |
|       |            | 222.82             | 50              | 6F          | 3535           | 220.02                          | 246 | 35        | 90.0  | 187.0 | 49.0 | 89.0  | 49.0 | –   | 23.80              | PHP 50-14M-170TB  |
|       |            | 249.55             | 56              | 6F          | 3535           | 247.00                          | 263 | 35        | 90.0  | 187.0 | 49.0 | 89.0  | 49.0 | –   | 28.50              | PHP 56-14M-170TB  |
|       |            | 267.38             | 60              | 6F          | 4040           | 264.59                          | 281 | 40        | 100.0 | 187.0 | 42.5 | 114.0 | 42.5 | –   | 34.80              | PHP 60-14M-170TB  |
|       |            | 285.21             | 64              | 6F          | 4040           | 282.00                          | 298 | 40        | 100.0 | 187.0 | 42.5 | 114.0 | 42.5 | 230 | 41.00              | PHP 64-14M-170TB  |
|       |            | 320.86             | 72              | 7           | 4040           | 318.00                          | –   | 40        | 100.0 | 187.0 | 42.5 | 114.0 | 42.5 | 230 | 46.90              | PHP 72-14M-170TB  |
|       |            | 356.51             | 80              | 7           | 4040           | 354.00                          | –   | 40        | 100.0 | 187.0 | 42.5 | 114.0 | 42.5 | 230 | 48.00              | PHP 80-14M-170TB  |
|       |            | 401.07             | 90              | 7           | 4040           | 398.00                          | –   | 40        | 100.0 | 187.0 | 42.5 | 114.0 | 42.5 | 230 | 52.50              | PHP 90-14M-170TB  |
|       |            | 499.11             | 112             | 7           | 5050           | 496.00                          | –   | 70        | 125.0 | 187.0 | 30.0 | 127.0 | 30.0 | 242 | 74.50              | PHP 112-14M-170TB |
|       |            | 641.71             | 144             | 8           | 5050           | 639.00                          | –   | 70        | 125.0 | 187.0 | 30.0 | 127.0 | 30.0 | 394 | 91.00              | PHP 144-14M-170TB |
|       |            | 748.86             | 168             | 8           | 5050           | 746.00                          | –   | 70        | 125.0 | 187.0 | 30.0 | 127.0 | 30.0 | 394 | 116.00             | PHP 168-14M-170TB |
|       |            | 855.62             | 192             | 8           | 5050           | 853.00                          | –   | 70        | 125.0 | 187.0 | 30.0 | 127.0 | 30.0 | 394 | 134.00             | PHP 192-14M-170TB |
|       |            | 962.57             | 216             | 8           | 5050           | 960.00                          | –   | 70        | 125.0 | 187.0 | 30.0 | 127.0 | 30.0 | 394 | 146.50             | PHP 216-14M-170TB |

<sup>1)</sup> Mass does not include bushings.

# Classical timing pulleys

XL Pilot bore (RSB) | L Pilot bore (RSB)



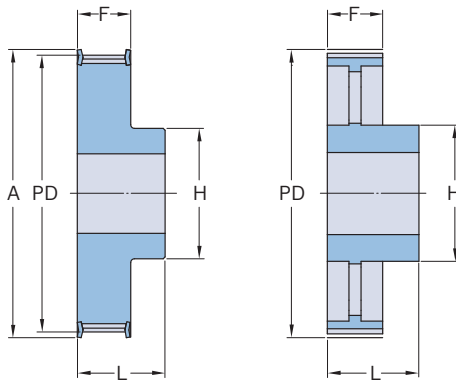
Type 1

Type 1F

| Section | Belt width  | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions           |     |           |      |      |      |      | Mass | Designation    |
|---------|-------------|-----------------------|--------------------|----------------|----------------------|-----|-----------|------|------|------|------|------|----------------|
|         |             |                       |                    |                | Outer diameter<br>OD | A   | B<br>Min. | Max. | H    | F    | L    |      |                |
| –       | mm          |                       | –                  | –              | mm                   |     |           |      |      |      |      | kg   | –              |
| XL      | 6.4 and 9.5 | 16.17                 | 10                 | 1F             | 15.67                | 23  | 5         | 5    | 9.5  | 14.3 | 19.8 | 0.02 | PHP 10XL037RSB |
|         |             | 17.79                 | 11                 | 1F             | 17.29                | 23  | 5         | 5    | 9.5  | 14.3 | 19.8 | 0.02 | PHP 11XL037RSB |
|         |             | 19.40                 | 12                 | 1F             | 18.90                | 25  | 5         | 8    | 12.7 | 14.3 | 19.8 | 0.03 | PHP 12XL037RSB |
|         |             | 21.02                 | 13                 | 1F             | 20.52                | 25  | 6         | 8    | 12.7 | 14.3 | 19.8 | 0.03 | PHP 13XL037RSB |
|         |             | 22.64                 | 14                 | 1F             | 22.14                | 28  | 6         | 9    | 14.3 | 14.3 | 19.8 | 0.04 | PHP 14XL037RSB |
|         |             | 24.26                 | 15                 | 1F             | 23.76                | 28  | 6         | 11   | 15.9 | 14.3 | 19.8 | 0.04 | PHP 15XL037RSB |
|         |             | 25.87                 | 16                 | 1F             | 25.37                | 32  | 6         | 12   | 17.5 | 14.3 | 19.8 | 0.05 | PHP 16XL037RSB |
|         |             | 27.49                 | 17                 | 1F             | 26.99                | 36  | 6         | 13   | 20.0 | 14.3 | 19.8 | 0.05 | PHP 17XL037RSB |
|         |             | 29.11                 | 18                 | 1F             | 28.61                | 36  | 6         | 13   | 20.6 | 14.3 | 19.8 | 0.06 | PHP 18XL037RSB |
|         |             | 30.72                 | 19                 | 1F             | 30.22                | 36  | 6         | 13   | 20.6 | 14.3 | 19.8 | 0.07 | PHP 19XL037RSB |
|         |             | 32.34                 | 20                 | 1F             | 31.84                | 38  | 6         | 15   | 23.8 | 14.3 | 22.2 | 0.08 | PHP 20XL037RSB |
|         |             | 33.96                 | 21                 | 1F             | 33.46                | 38  | 6         | 15   | 23.8 | 14.3 | 22.2 | 0.09 | PHP 21XL037RSB |
|         |             | 35.57                 | 22                 | 1F             | 35.07                | 42  | 6         | 16   | 25.4 | 14.3 | 22.2 | 0.10 | PHP 22XL037RSB |
|         |             | 38.81                 | 24                 | 1F             | 38.31                | 44  | 6         | 18   | 27.0 | 14.3 | 22.2 | 0.12 | PHP 24XL037RSB |
|         |             | 42.04                 | 26                 | 1F             | 41.54                | 48  | 6         | 20   | 30.0 | 14.3 | 22.2 | 0.14 | PHP 26XL037RSB |
|         |             | 43.66                 | 27                 | 1F             | 43.16                | 48  | 6         | 20   | 30.0 | 14.3 | 22.2 | 0.15 | PHP 27XL037RSB |
|         |             | 45.28                 | 28                 | 1F             | 44.78                | 51  | 6         | 20   | 30.2 | 14.3 | 22.2 | 0.16 | PHP 28XL037RSB |
|         |             | 46.89                 | 29                 | 1F             | 46.39                | 51  | 6         | 20   | 30.2 | 14.3 | 22.2 | 0.17 | PHP 29XL037RSB |
|         |             | 48.51                 | 30                 | 1F             | 48.01                | 54  | 6         | 24   | 34.9 | 14.3 | 22.2 | 0.19 | PHP 30XL037RSB |
|         |             | 51.74                 | 32                 | 1              | 51.24                | 57  | 8         | 25   | 40.0 | 14.3 | 25.4 | 0.11 | PHP 32XL037RSB |
|         |             | 54.98                 | 34                 | 1              | 54.48                | –   | 8         | 25   | 38.0 | 14.3 | 25.4 | 0.11 | PHP 34XL037RSB |
|         |             | 56.60                 | 35                 | 1              | 56.10                | –   | 8         | 25   | 38.0 | 14.3 | 25.4 | 0.12 | PHP 35XL037RSB |
|         |             | 58.21                 | 36                 | 1              | 57.71                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.13 | PHP 36XL037RSB |
|         |             | 61.45                 | 38                 | 1              | 60.95                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.15 | PHP 38XL037RSB |
|         |             | 64.68                 | 40                 | 1              | 64.18                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.17 | PHP 40XL037RSB |
|         |             | 67.91                 | 42                 | 1              | 67.41                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.20 | PHP 42XL037RSB |
|         |             | 71.15                 | 44                 | 1              | 70.65                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.15 | PHP 44XL037RSB |
|         |             | 72.77                 | 45                 | 1              | 72.27                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.15 | PHP 45XL037RSB |
|         |             | 77.62                 | 48                 | 1              | 77.12                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.16 | PHP 48XL037RSB |
|         |             | 97.02                 | 60                 | 1              | 96.52                | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.18 | PHP 60XL037RSB |
|         |             | 116.43                | 72                 | 1              | 115.93               | –   | 8         | 30   | 45.0 | 14.3 | 25.4 | 0.23 | PHP 72XL037RSB |
| L       | 12.7        | 30.32                 | 10                 | 1F             | 29.56                | 36  | 6         | 14   | 22.0 | 19.0 | 26.0 | 0.11 | PHP 10L050RSB  |
|         |             | 33.35                 | 11                 | 1F             | 32.59                | 39  | 6         | 14   | 22.0 | 19.0 | 26.0 | 0.13 | PHP 11L050RSB  |
|         |             | 36.38                 | 12                 | 1F             | 35.62                | 42  | 6         | 20   | 28.0 | 19.0 | 30.0 | 0.19 | PHP 12L050RSB  |
|         |             | 39.41                 | 13                 | 1F             | 38.65                | 45  | 6         | 20   | 28.0 | 19.0 | 30.0 | 0.21 | PHP 13L050RSB  |
|         |             | 42.45                 | 14                 | 1F             | 41.69                | 48  | 8         | 20   | 28.0 | 19.0 | 30.0 | 0.23 | PHP 14L050RSB  |
|         |             | 45.48                 | 15                 | 1F             | 44.72                | 51  | 8         | 23   | 32.0 | 19.0 | 30.0 | 0.27 | PHP 15L050RSB  |
|         |             | 48.51                 | 16                 | 1F             | 47.75                | 54  | 8         | 24   | 36.0 | 19.0 | 32.0 | 0.34 | PHP 16L050RSB  |
|         |             | 51.54                 | 17                 | 1F             | 50.78                | 57  | 10        | 24   | 38.0 | 19.0 | 32.0 | 0.38 | PHP 17L050RSB  |
|         |             | 54.57                 | 18                 | 1F             | 53.81                | 60  | 10        | 27   | 40.0 | 19.0 | 32.0 | 0.41 | PHP 18L050RSB  |
|         |             | 57.61                 | 19                 | 1F             | 56.85                | 63  | 10        | 27   | 40.0 | 19.0 | 32.0 | 0.45 | PHP 19L050RSB  |
|         |             | 60.64                 | 20                 | 1F             | 59.88                | 66  | 10        | 30   | 46.0 | 19.0 | 32.0 | 0.50 | PHP 20L050RSB  |
|         |             | 63.67                 | 21                 | 1F             | 62.91                | 69  | 10        | 30   | 46.0 | 19.0 | 32.0 | 0.55 | PHP 21L050RSB  |
|         |             | 66.70                 | 22                 | 1F             | 65.94                | 72  | 10        | 33   | 50.0 | 19.0 | 32.0 | 0.62 | PHP 22L050RSB  |
|         |             | 69.73                 | 23                 | 1F             | 68.97                | 78  | 10        | 33   | 50.0 | 19.0 | 26.0 | 0.65 | PHP 23L050RSB  |
|         |             | 72.77                 | 24                 | 1F             | 72.01                | 78  | 12        | 33   | 50.0 | 19.0 | 26.0 | 0.68 | PHP 24L050RSB  |
|         |             | 75.80                 | 25                 | 1F             | 75.04                | 85  | 12        | 33   | 50.0 | 19.0 | 26.0 | 0.74 | PHP 25L050RSB  |
|         |             | 78.83                 | 26                 | 1F             | 78.07                | 85  | 12        | 33   | 50.0 | 19.0 | 26.0 | 0.82 | PHP 26L050RSB  |
|         |             | 81.86                 | 27                 | 1F             | 81.10                | 91  | 12        | 33   | 50.0 | 19.0 | 26.0 | 0.85 | PHP 27L050RSB  |
|         |             | 84.89                 | 28                 | 1F             | 84.13                | 91  | 12        | 33   | 50.0 | 19.0 | 26.0 | 0.92 | PHP 28L050RSB  |
|         |             | 87.93                 | 29                 | 1F             | 87.17                | 91  | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.00 | PHP 29L050RSB  |
|         |             | 90.96                 | 30                 | 1F             | 90.20                | 97  | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.10 | PHP 30L050RSB  |
|         |             | 93.99                 | 31                 | 1F             | 93.23                | 103 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.14 | PHP 31L050RSB  |

All XL pulleys are made from aluminium with 2 set screws at 90°. Where keyway is required, reduce maximum bore by twice keyway depth.

Classical timing pulleys  
L Pilot bore (RSB)



Type 1F

Type 5

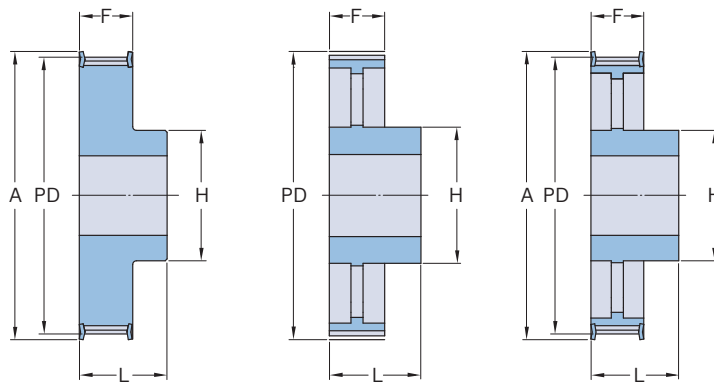
| Section | Belt width | Pitch diameter<br>PCD | Number of teeth | Pulley type | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max. | H    | F    | L    | Mass<br>kg | Designation   |
|---------|------------|-----------------------|-----------------|-------------|------------------------------------|-----|-----------|------|------|------|------|------------|---------------|
| –       | mm         | –                     | –               | –           | mm                                 | –   | –         | –    | –    | –    | –    | –          | –             |
| L       | 12.7       | 97.02                 | 32              | 1F          | 96.26                              | 103 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.19       | PHP 32L050RSB |
|         |            | 100.05                | 33              | 1F          | 99.29                              | 106 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.25       | PHP 33L050RSB |
|         |            | 103.08                | 34              | 1F          | 102.32                             | 115 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.31       | PHP 34L050RSB |
|         |            | 106.12                | 35              | 1F          | 105.36                             | 115 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.37       | PHP 35L050RSB |
|         |            | 109.15                | 36              | 1F          | 108.39                             | 115 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.10       | PHP 36L050RSB |
|         |            | 115.21                | 38              | 1F          | 114.45                             | 127 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.22       | PHP 38L050RSB |
|         |            | 121.28                | 40              | 1F          | 120.52                             | 127 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.26       | PHP 40L050RSB |
|         |            | 127.34                | 42              | 1F          | 126.58                             | 139 | 12        | 33   | 50.0 | 19.0 | 26.0 | 1.31       | PHP 42L050RSB |
|         |            | 133.40                | 44              | 1F          | 132.64                             | 139 | 12        | 33   | 50.0 | 19.0 | 28.0 | 1.43       | PHP 44L050RSB |
|         |            | 136.44                | 45              | 1F          | 135.68                             | 152 | 12        | 33   | 50.0 | 19.0 | 28.0 | 1.49       | PHP 45L050RSB |
|         |            | 145.53                | 48              | 1F          | 144.77                             | 152 | 12        | 33   | 50.0 | 19.0 | 28.0 | 1.55       | PHP 48L050RSB |
|         |            | 151.60                | 50              | 5           | 150.84                             | –   | 12        | 33   | 50.0 | 19.0 | 28.0 | 1.66       | PHP 50L050RSB |
|         |            | 157.66                | 52              | 5           | 156.90                             | –   | 12        | 33   | 50.0 | 19.0 | 28.0 | 1.85       | PHP 52L050RSB |
|         |            | 169.79                | 56              | 5           | 169.03                             | –   | 12        | 33   | 50.0 | 19.0 | 28.0 | 1.97       | PHP 56L050RSB |
|         |            | 172.82                | 57              | 5           | 172.06                             | –   | 12        | 33   | 50.0 | 19.0 | 28.0 | 2.09       | PHP 57L050RSB |
|         |            | 191.91                | 60              | 5           | 191.15                             | –   | 15        | 45   | 50.0 | 19.0 | 42.0 | 2.30       | PHP 60L050RSB |
|         |            | 218.30                | 72              | 5           | 217.54                             | –   | 15        | 45   | 75.0 | 19.0 | 42.0 | 2.50       | PHP 72L050RSB |
|         |            | 230.43                | 76              | 5           | 229.67                             | –   | 15        | 45   | 75.0 | 19.0 | 42.0 | 2.70       | PHP 76L050RSB |
|         |            | 254.68                | 84              | 5           | 253.92                             | –   | 15        | 45   | 75.0 | 19.0 | 42.0 | 2.90       | PHP 84L050RSB |
|         |            | 283.03                | 95              | 5           | 282.27                             | –   | 15        | 45   | 75.0 | 19.0 | 42.0 | 3.10       | PHP 95L050RSB |
|         |            | 291.06                | 96              | 5           | 290.30                             | –   | 15        | 45   | 75.0 | 19.0 | 42.0 | 3.30       | PHP 96L050RSB |
| L       | 19.1       | 30.32                 | 10              | 1F          | 29.56                              | 36  | 6         | 14   | 22.0 | 25.4 | 32.0 | 0.15       | PHP 10L075RSB |
|         |            | 33.35                 | 11              | 1F          | 32.59                              | 39  | 6         | 14   | 22.0 | 25.4 | 32.0 | 0.20       | PHP 11L075RSB |
|         |            | 36.38                 | 12              | 1F          | 35.62                              | 42  | 8         | 20   | 28.0 | 25.4 | 38.0 | 0.23       | PHP 12L075RSB |
|         |            | 39.41                 | 13              | 1F          | 38.65                              | 45  | 8         | 20   | 28.0 | 25.4 | 38.0 | 0.26       | PHP 13L075RSB |
|         |            | 42.45                 | 14              | 1F          | 41.69                              | 48  | 8         | 20   | 28.0 | 25.4 | 38.0 | 0.28       | PHP 14L075RSB |
|         |            | 45.48                 | 15              | 1F          | 44.72                              | 51  | 8         | 23   | 32.0 | 25.4 | 38.0 | 0.36       | PHP 15L075RSB |
|         |            | 48.51                 | 16              | 1F          | 47.75                              | 54  | 8         | 24   | 36.0 | 25.4 | 41.0 | 0.45       | PHP 16L075RSB |
|         |            | 51.54                 | 17              | 1F          | 50.78                              | 57  | 10        | 24   | 38.0 | 25.4 | 41.0 | 0.50       | PHP 17L075RSB |
|         |            | 54.57                 | 18              | 1F          | 53.81                              | 60  | 10        | 27   | 40.0 | 25.4 | 41.0 | 0.55       | PHP 18L075RSB |
|         |            | 57.61                 | 19              | 1F          | 56.85                              | 63  | 10        | 27   | 40.0 | 25.4 | 41.0 | 0.60       | PHP 19L075RSB |
|         |            | 60.64                 | 20              | 1F          | 59.88                              | 66  | 10        | 30   | 46.0 | 25.4 | 41.0 | 0.65       | PHP 20L075RSB |
|         |            | 63.67                 | 21              | 1F          | 62.91                              | 69  | 10        | 30   | 46.0 | 25.4 | 41.0 | 0.70       | PHP 21L075RSB |
|         |            | 66.70                 | 22              | 1F          | 65.94                              | 72  | 10        | 33   | 50.0 | 25.4 | 41.0 | 0.75       | PHP 22L075RSB |
|         |            | 69.73                 | 23              | 1F          | 68.97                              | 78  | 10        | 33   | 50.0 | 25.4 | 32.0 | 0.81       | PHP 23L075RSB |
|         |            | 72.77                 | 24              | 1F          | 72.01                              | 79  | 12        | 33   | 50.0 | 25.4 | 32.0 | 0.85       | PHP 24L075RSB |
|         |            | 75.80                 | 25              | 1F          | 75.04                              | 85  | 12        | 33   | 50.0 | 25.4 | 32.0 | 0.94       | PHP 25L075RSB |
|         |            | 78.83                 | 26              | 1F          | 78.07                              | 85  | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.02       | PHP 26L075RSB |
|         |            | 81.86                 | 27              | 1F          | 81.10                              | 91  | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.09       | PHP 27L075RSB |
|         |            | 84.89                 | 28              | 1F          | 84.13                              | 91  | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.20       | PHP 28L075RSB |
|         |            | 87.93                 | 29              | 1F          | 87.17                              | 91  | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.33       | PHP 29L075RSB |
|         |            | 90.96                 | 30              | 1F          | 90.20                              | 97  | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.33       | PHP 30L075RSB |
|         |            | 93.99                 | 31              | 1F          | 93.23                              | 103 | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.39       | PHP 31L075RSB |
|         |            | 97.02                 | 32              | 1F          | 96.26                              | 103 | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.45       | PHP 32L075RSB |
|         |            | 100.05                | 33              | 1F          | 99.29                              | 106 | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.56       | PHP 33L075RSB |
|         |            | 103.08                | 34              | 1F          | 102.32                             | 115 | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.70       | PHP 34L075RSB |
|         |            | 106.12                | 35              | 1F          | 105.36                             | 115 | 12        | 33   | 50.0 | 25.4 | 32.0 | 1.78       | PHP 35L075RSB |
|         |            | 109.15                | 36              | 1F          | 108.39                             | 115 | 12        | 36   | 55.0 | 25.4 | 32.0 | 1.50       | PHP 36L075RSB |
|         |            | 115.21                | 38              | 1F          | 114.45                             | 127 | 12        | 36   | 55.0 | 25.4 | 32.0 | 1.63       | PHP 38L075RSB |
|         |            | 121.28                | 40              | 1F          | 120.52                             | 127 | 12        | 40   | 60.0 | 25.4 | 32.0 | 1.79       | PHP 40L075RSB |
|         |            | 127.34                | 42              | 1F          | 126.58                             | 139 | 12        | 40   | 60.0 | 25.4 | 32.0 | 1.95       | PHP 42L075RSB |
|         |            | 133.40                | 44              | 1F          | 132.64                             | 139 | 12        | 40   | 60.0 | 25.4 | 35.0 | 2.05       | PHP 44L075RSB |
|         |            | 136.44                | 45              | 1F          | 135.68                             | 152 | 12        | 40   | 60.0 | 25.4 | 35.0 | 2.10       | PHP 45L075RSB |

# Classical timing pulleys

L Pilot bore (RSB) | H Pilot bore (RSB)

| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions        |     |        |      |       |      |      | Mass | Designation    |
|---------|------------|--------------------|-----------------|-------------|-------------------|-----|--------|------|-------|------|------|------|----------------|
|         |            |                    |                 |             | Outer diameter OD | A   | B Min. | Max. | H     | F    | L    |      |                |
| –       | mm         |                    | –               | –           | mm                |     |        |      |       |      |      | kg   | –              |
| L       | 19.1       | 145.53             | 48              | 1F          | 144.77            | 152 | 12     | 40   | 60.0  | 25.4 | 35.0 | 2.15 | PHP 48L075RSB  |
|         |            | 151.60             | 50              | 5           | 150.84            | –   | 12     | 40   | 60.0  | 25.4 | 35.0 | 2.25 | PHP 50L075RSB  |
|         |            | 157.66             | 52              | 5           | 156.90            | –   | 12     | 40   | 60.0  | 25.4 | 35.0 | 2.55 | PHP 52L075RSB  |
|         |            | 169.79             | 56              | 5           | 169.03            | –   | 12     | 40   | 60.0  | 25.4 | 35.0 | 2.78 | PHP 56L075RSB  |
|         |            | 172.82             | 57              | 5           | 172.06            | –   | 12     | 40   | 60.0  | 25.4 | 35.0 | 2.91 | PHP 57L075RSB  |
|         |            | 181.91             | 60              | 5           | 181.15            | –   | 15     | 45   | 75.0  | 25.4 | 45.0 | 3.10 | PHP 60L075RSB  |
|         |            | 218.30             | 72              | 5           | 217.54            | –   | 15     | 45   | 75.0  | 25.4 | 45.0 | 3.29 | PHP 72L075RSB  |
|         |            | 230.43             | 76              | 5           | 229.67            | –   | 15     | 45   | 75.0  | 25.4 | 45.0 | 3.48 | PHP 76L075RSB  |
|         |            | 254.67             | 84              | 5           | 253.91            | –   | 15     | 45   | 75.0  | 25.4 | 45.0 | 3.67 | PHP 84L075RSB  |
|         |            | 283.03             | 95              | 5           | 282.27            | –   | 15     | 45   | 75.0  | 25.4 | 45.0 | 3.76 | PHP 95L075RSB  |
|         |            | 291.06             | 96              | 5           | 290.30            | –   | 15     | 45   | 75.0  | 25.4 | 45.0 | 3.85 | PHP 96L075RSB  |
|         |            | 363.83             | 120             | 5           | 363.07            | –   | 15     | 70   | 120.0 | 25.4 | 45.0 | 4.50 | PHP 120L075RSB |
|         |            | 30.32              | 10              | 1F          | 29.56             | 36  | 6      | 14   | 22.0  | 32.0 | 38.0 | 0.18 | PHP 10L100RSB  |
|         |            | 33.35              | 11              | 1F          | 32.59             | 39  | 6      | 14   | 22.0  | 32.0 | 38.0 | 0.20 | PHP 11L100RSB  |
|         |            | 36.38              | 12              | 1F          | 35.62             | 42  | 8      | 20   | 28.0  | 32.0 | 45.0 | 0.25 | PHP 12L100RSB  |
|         |            | 39.41              | 13              | 1F          | 38.65             | 45  | 8      | 20   | 28.0  | 32.0 | 45.0 | 0.30 | PHP 13L100RSB  |
|         |            | 42.45              | 14              | 1F          | 41.69             | 48  | 8      | 20   | 28.0  | 32.0 | 45.0 | 0.34 | PHP 14L100RSB  |
|         |            | 45.48              | 15              | 1F          | 44.72             | 51  | 8      | 23   | 32.0  | 32.0 | 45.0 | 0.40 | PHP 15L100RSB  |
|         |            | 48.51              | 16              | 1F          | 47.75             | 54  | 8      | 24   | 36.0  | 32.0 | 45.0 | 0.48 | PHP 16L100RSB  |
|         |            | 51.54              | 17              | 1F          | 50.78             | 57  | 10     | 24   | 38.0  | 32.0 | 45.0 | 0.57 | PHP 17L100RSB  |
|         |            | 54.57              | 18              | 1F          | 53.81             | 60  | 10     | 27   | 40.0  | 32.0 | 45.0 | 0.62 | PHP 18L100RSB  |
|         |            | 57.61              | 19              | 1F          | 56.85             | 63  | 10     | 27   | 40.0  | 32.0 | 45.0 | 0.69 | PHP 19L100RSB  |
| L       | 25.4       | 60.64              | 20              | 1F          | 59.88             | 66  | 10     | 30   | 46.0  | 32.0 | 45.0 | 0.76 | PHP 20L100RSB  |
|         |            | 63.67              | 21              | 1F          | 62.91             | 69  | 10     | 30   | 46.0  | 32.0 | 45.0 | 0.82 | PHP 21L100RSB  |
|         |            | 66.70              | 22              | 1F          | 65.94             | 72  | 10     | 33   | 50.0  | 32.0 | 45.0 | 0.92 | PHP 22L100RSB  |
|         |            | 69.73              | 23              | 1F          | 68.97             | 78  | 10     | 33   | 50.0  | 32.0 | 38.0 | 0.98 | PHP 23L100RSB  |
|         |            | 72.77              | 24              | 1F          | 72.01             | 78  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.06 | PHP 24L100RSB  |
|         |            | 75.80              | 25              | 1F          | 75.04             | 85  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.14 | PHP 25L100RSB  |
|         |            | 78.83              | 26              | 1F          | 78.07             | 85  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.24 | PHP 26L100RSB  |
|         |            | 81.86              | 27              | 1F          | 81.10             | 91  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.33 | PHP 27L100RSB  |
|         |            | 84.89              | 28              | 1F          | 84.13             | 91  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.40 | PHP 28L100RSB  |
|         |            | 87.93              | 29              | 1F          | 87.17             | 91  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.70 | PHP 29L100RSB  |
|         |            | 90.96              | 30              | 1F          | 90.20             | 97  | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.70 | PHP 30L100RSB  |
|         |            | 97.02              | 32              | 1F          | 96.26             | 103 | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.80 | PHP 32L100RSB  |
|         |            | 100.05             | 33              | 1F          | 99.29             | 106 | 12     | 33   | 50.0  | 32.0 | 38.0 | 1.92 | PHP 33L100RSB  |
|         |            | 103.08             | 34              | 1F          | 102.32            | 115 | 12     | 33   | 50.0  | 32.0 | 38.0 | 2.09 | PHP 34L100RSB  |
|         |            | 106.12             | 35              | 1F          | 105.36            | 115 | 12     | 33   | 50.0  | 32.0 | 38.0 | 2.19 | PHP 35L100RSB  |
|         |            | 109.15             | 36              | 1F          | 108.39            | 115 | 12     | 36   | 55.0  | 32.0 | 32.0 | 1.50 | PHP 36L100RSB  |
|         |            | 115.21             | 38              | 1F          | 114.45            | 127 | 12     | 36   | 55.0  | 32.0 | 32.0 | 1.77 | PHP 38L100RSB  |
|         |            | 121.28             | 40              | 1F          | 120.52            | 127 | 12     | 40   | 60.0  | 32.0 | 32.0 | 1.90 | PHP 40L100RSB  |
|         |            | 127.34             | 42              | 1F          | 126.58            | 139 | 12     | 40   | 60.0  | 32.0 | 32.0 | 2.11 | PHP 42L100RSB  |
|         |            | 133.40             | 44              | 1F          | 132.64            | 139 | 12     | 40   | 60.0  | 32.0 | 35.0 | 2.30 | PHP 44L100RSB  |
|         |            | 136.44             | 45              | 1F          | 135.68            | 152 | 12     | 40   | 60.0  | 32.0 | 35.0 | 2.40 | PHP 45L100RSB  |
|         |            | 145.53             | 48              | 1F          | 144.77            | 152 | 12     | 40   | 60.0  | 32.0 | 35.0 | 2.49 | PHP 48L100RSB  |
|         |            | 151.60             | 50              | 5           | 150.84            | –   | 12     | 40   | 60.0  | 32.0 | 35.0 | 2.68 | PHP 50L100RSB  |
|         |            | 157.66             | 52              | 5           | 156.90            | –   | 12     | 40   | 60.0  | 32.0 | 35.0 | 2.87 | PHP 52L100RSB  |
|         |            | 169.79             | 56              | 5           | 169.03            | –   | 12     | 40   | 60.0  | 32.0 | 35.0 | 3.06 | PHP 56L100RSB  |
|         |            | 172.82             | 57              | 5           | 172.06            | –   | 12     | 40   | 60.0  | 32.0 | 35.0 | 3.25 | PHP 57L100RSB  |
|         |            | 191.91             | 60              | 5           | 191.15            | –   | 15     | 45   | 75.0  | 32.0 | 45.0 | 3.44 | PHP 60L100RSB  |
|         |            | 218.30             | 72              | 5           | 217.54            | –   | 15     | 45   | 75.0  | 32.0 | 45.0 | 3.63 | PHP 72L100RSB  |
|         |            | 230.43             | 76              | 5           | 229.67            | –   | 15     | 45   | 75.0  | 32.0 | 45.0 | 3.82 | PHP 76L100RSB  |
|         |            | 254.68             | 84              | 5           | 253.92            | –   | 15     | 45   | 75.0  | 32.0 | 45.0 | 4.01 | PHP 84L100RSB  |
|         |            | 283.03             | 95              | 5           | 282.27            | –   | 15     | 45   | 75.0  | 32.0 | 45.0 | 4.11 | PHP 95L100RSB  |
|         |            | 291.06             | 96              | 5           | 290.30            | –   | 15     | 45   | 75.0  | 32.0 | 45.0 | 4.20 | PHP 96L100RSB  |
|         |            | 363.83             | 120             | 5           | 363.07            | –   | 15     | 70   | 120.0 | 32.0 | 45.0 | 5.00 | PHP 120L100RSB |
| H       | 19.1       | 56.60              | 14              | 1F          | 55.23             | 63  | 10     | 27   | 40.0  | 27.0 | 40.0 | 0.50 | PHP 14H075RSB  |
|         |            | 60.64              | 15              | 1F          | 59.27             | 67  | 10     | 30   | 46.0  | 27.0 | 40.0 | 0.55 | PHP 15H075RSB  |
|         |            | 64.68              | 16              | 1F          | 63.31             | 71  | 10     | 30   | 45.0  | 27.0 | 40.0 | 0.60 | PHP 16H075RSB  |
|         |            | 68.72              | 17              | 1F          | 67.35             | 75  | 10     | 30   | 46.0  | 27.0 | 40.0 | 0.70 | PHP 17H075RSB  |
|         |            | 72.77              | 18              | 1F          | 71.40             | 79  | 12     | 36   | 55.0  | 27.0 | 40.0 | 0.80 | PHP 18H075RSB  |
|         |            | 76.81              | 19              | 1F          | 75.44             | 83  | 12     | 40   | 60.0  | 27.0 | 40.0 | 1.00 | PHP 19H075RSB  |
|         |            | 80.85              | 20              | 1F          | 79.48             | 87  | 12     | 41   | 62.0  | 27.0 | 40.0 | 1.10 | PHP 20H075RSB  |
|         |            | 84.89              | 21              | 1F          | 83.52             | 91  | 12     | 43   | 67.0  | 27.0 | 40.0 | 1.20 | PHP 21H075RSB  |
|         |            | 88.94              | 22              | 1F          | 87.57             | 95  | 12     | 45   | 70.0  | 27.0 | 40.0 | 1.40 | PHP 22H075RSB  |
|         |            | 92.98              | 23              | 1F          | 91.61             | 98  | 12     | 46   | 72.0  | 27.0 | 40.0 | 1.50 | PHP 23H075RSB  |
|         |            | 97.02              | 24              | 1F          | 95.65             | 103 | 12     | 47   | 75.0  | 27.0 | 40.0 | 1.60 | PHP 24H075RSB  |
|         |            | 101.06             | 25              | 1F          | 99.69             | 107 | 12     | 47   | 75.0  | 27.0 | 40.0 | 1.70 | PHP 25H075RSB  |
|         |            | 105.11             | 26              | 1F          | 103.74            | 111 | 15     | 54   | 80.0  | 27.0 | 40.0 | 1.80 | PHP 26H075RSB  |
|         |            | 109.15             | 27              | 1F          | 107.78            | 115 | 15     | 54   | 80.0  | 27.0 | 40.0 | 1.90 | PHP 27H075RSB  |
|         |            | 113.19             | 28              | 1F          | 111.82            | 119 | 15     | 54   | 80.0  | 27.0 | 40.0 | 2.00 | PHP 28H075RSB  |
|         |            | 117.23             | 29              | 1F          | 115.86            | 123 | 15     | 54   | 80.0  | 27.0 | 40.0 | 2.05 | PHP 29H075RSB  |
|         |            | 121.28             | 30              | 1F          | 119.91            | 127 | 15     | 54   | 80.0  | 27.0 | 40.0 | 2.10 | PHP 30H075RSB  |
|         |            | 125.32             | 31              | 1F          | 123.95            | 131 | 15     | 54   | 80.0  | 27.0 | 40.0 | 2.15 | PHP 31H075RSB  |

Classical timing pulleys  
H Pilot bore (RSB)



Type 1F

Type 5

Type 5F

| Section | Belt width    | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max. | H     | F    | L    | Mass  | Designation    |
|---------|---------------|-----------------------|--------------------|----------------|------------------------------------|-----|-----------|------|-------|------|------|-------|----------------|
| –       | mm            | –                     | –                  | –              | mm                                 | –   | –         | –    | –     | –    | –    | kg    | –              |
| H       | 19.1          | 129.36                | 32                 | 1F             | 127.99                             | 135 | 15        | 54   | 80.0  | 27.0 | 40.0 | 2.20  | PHP 32H075RSB  |
|         |               | 133.40                | 33                 | 1F             | 132.03                             | 142 | 15        | 54   | 80.0  | 27.0 | 40.0 | 2.25  | PHP 33H075RSB  |
|         |               | 137.45                | 34                 | 1F             | 136.08                             | 142 | 15        | 54   | 80.0  | 27.0 | 40.0 | 2.30  | PHP 34H075RSB  |
|         |               | 141.49                | 35                 | 1F             | 140.12                             | 151 | 15        | 54   | 80.0  | 27.0 | 40.0 | 2.35  | PHP 35H075RSB  |
|         |               | 145.53                | 36                 | 1F             | 144.16                             | 151 | 20        | 54   | 80.0  | 27.0 | 40.0 | 2.40  | PHP 36H075RSB  |
|         |               | 153.62                | 38                 | 1F             | 152.25                             | 158 | 20        | 54   | 80.0  | 27.0 | 40.0 | 2.60  | PHP 38H075RSB  |
|         |               | 161.70                | 40                 | 1F             | 160.33                             | 168 | 20        | 54   | 80.0  | 27.0 | 40.0 | 2.80  | PHP 40H075RSB  |
|         |               | 169.79                | 42                 | 1F             | 168.42                             | 184 | 20        | 54   | 80.0  | 27.0 | 40.0 | 2.90  | PHP 42H075RSB  |
|         |               | 177.87                | 44                 | 5F             | 176.50                             | 184 | 20        | 48   | 80.0  | 27.0 | 40.0 | 2.70  | PHP 44H075RSB  |
|         |               | 181.91                | 45                 | 5F             | 180.54                             | 192 | 20        | 54   | 90.0  | 27.0 | 45.0 | 2.85  | PHP 45H075RSB  |
|         |               | 194.04                | 48                 | 5F             | 192.67                             | 200 | 20        | 54   | 90.0  | 27.0 | 45.0 | 3.00  | PHP 48H075RSB  |
|         |               | 202.13                | 50                 | 5              | 200.76                             | –   | 20        | 54   | 90.0  | 27.0 | 45.0 | 3.25  | PHP 50H075RSB  |
| H       | 19.1 and 25.4 | 56.60                 | 14                 | 1F             | 55.23                              | 63  | 10        | 27   | 40.0  | 33.3 | 45.0 | 0.65  | PHP 14H100RSB  |
|         |               | 60.64                 | 15                 | 1F             | 59.27                              | 67  | 10        | 30   | 46.0  | 33.3 | 45.0 | 0.75  | PHP 15H100RSB  |
|         |               | 64.67                 | 16                 | 1F             | 63.30                              | 71  | 10        | 30   | 46.0  | 33.3 | 45.0 | 0.85  | PHP 16H100RSB  |
|         |               | 68.72                 | 17                 | 1F             | 67.35                              | 75  | 10        | 30   | 46.0  | 33.3 | 45.0 | 0.97  | PHP 17H100RSB  |
|         |               | 72.77                 | 18                 | 1F             | 71.40                              | 79  | 12        | 30   | 55.0  | 33.3 | 45.0 | 1.10  | PHP 18H100RSB  |
|         |               | 76.81                 | 19                 | 1F             | 75.44                              | 83  | 12        | 36   | 60.0  | 33.3 | 45.0 | 1.20  | PHP 19H100RSB  |
|         |               | 80.85                 | 20                 | 1F             | 79.48                              | 87  | 12        | 41   | 62.0  | 33.3 | 45.0 | 1.40  | PHP 20H100RSB  |
|         |               | 84.89                 | 21                 | 1F             | 83.52                              | 91  | 12        | 43   | 67.0  | 33.3 | 45.0 | 1.60  | PHP 21H100RSB  |
|         |               | 88.94                 | 22                 | 1F             | 87.57                              | 95  | 12        | 45   | 70.0  | 33.3 | 45.0 | 1.70  | PHP 22H100RSB  |
|         |               | 92.98                 | 23                 | 1F             | 91.61                              | 98  | 12        | 46   | 72.0  | 33.3 | 45.0 | 1.83  | PHP 23H100RSB  |
|         |               | 97.03                 | 24                 | 1F             | 95.66                              | 103 | 12        | 47   | 75.0  | 33.3 | 45.0 | 1.95  | PHP 24H100RSB  |
|         |               | 101.06                | 25                 | 1F             | 99.69                              | 107 | 12        | 47   | 75.0  | 33.3 | 45.0 | 2.19  | PHP 25H100RSB  |
|         |               | 105.11                | 26                 | 1F             | 103.74                             | 111 | 15        | 54   | 80.0  | 33.3 | 45.0 | 2.43  | PHP 26H100RSB  |
|         |               | 109.15                | 27                 | 1F             | 107.78                             | 115 | 15        | 54   | 80.0  | 33.3 | 45.0 | 2.57  | PHP 27H100RSB  |
|         |               | 113.18                | 28                 | 1F             | 111.81                             | 119 | 15        | 54   | 80.0  | 33.3 | 45.0 | 2.70  | PHP 28H100RSB  |
|         |               | 117.23                | 29                 | 1F             | 115.86                             | 123 | 15        | 54   | 80.0  | 33.3 | 45.0 | 2.95  | PHP 29H100RSB  |
|         |               | 121.29                | 30                 | 1F             | 119.92                             | 127 | 15        | 54   | 80.0  | 33.3 | 45.0 | 3.20  | PHP 30H100RSB  |
|         |               | 125.32                | 31                 | 1F             | 123.95                             | 131 | 15        | 54   | 80.0  | 33.3 | 45.0 | 3.35  | PHP 31H100RSB  |
|         |               | 129.36                | 32                 | 1F             | 127.99                             | 135 | 20        | 54   | 80.0  | 33.3 | 45.0 | 3.50  | PHP 32H100RSB  |
|         |               | 133.40                | 33                 | 1F             | 132.03                             | 142 | 20        | 54   | 80.0  | 33.3 | 45.0 | 3.78  | PHP 33H100RSB  |
|         |               | 137.45                | 34                 | 1F             | 136.08                             | 142 | 20        | 54   | 80.0  | 33.3 | 45.0 | 4.05  | PHP 34H100RSB  |
|         |               | 141.49                | 35                 | 1F             | 140.12                             | 151 | 20        | 54   | 80.0  | 33.3 | 45.0 | 4.35  | PHP 35H100RSB  |
|         |               | 145.53                | 36                 | 1F             | 144.16                             | 151 | 20        | 54   | 80.0  | 33.3 | 45.0 | 4.65  | PHP 36H100RSB  |
|         |               | 153.62                | 38                 | 1F             | 152.25                             | 158 | 20        | 54   | 80.0  | 33.3 | 45.0 | 4.98  | PHP 38H100RSB  |
|         |               | 161.70                | 40                 | 1F             | 160.33                             | 168 | 20        | 54   | 80.0  | 33.3 | 45.0 | 5.30  | PHP 40H100RSB  |
|         |               | 169.79                | 42                 | 1F             | 168.42                             | 184 | 20        | 54   | 80.0  | 33.3 | 45.0 | 5.50  | PHP 42H100RSB  |
|         |               | 177.87                | 44                 | 5F             | 176.50                             | 184 | 20        | 48   | 80.0  | 33.3 | 50.0 | 4.00  | PHP 44H100RSB  |
|         |               | 181.91                | 45                 | 5F             | 180.54                             | 192 | 20        | 54   | 80.0  | 33.3 | 50.0 | 4.25  | PHP 45H100RSB  |
|         |               | 194.03                | 48                 | 5F             | 192.66                             | 200 | 20        | 54   | 90.0  | 33.3 | 50.0 | 4.50  | PHP 48H100RSB  |
|         |               | 202.13                | 50                 | 5              | 200.76                             | –   | 20        | 54   | 90.0  | 33.3 | 50.0 | 4.94  | PHP 50H100RSB  |
|         |               | 210.21                | 52                 | 5              | 208.84                             | –   | 20        | 54   | 90.0  | 33.3 | 50.0 | 5.38  | PHP 52H100RSB  |
|         |               | 230.42                | 57                 | 5              | 229.05                             | –   | 20        | 54   | 90.0  | 33.3 | 50.0 | 5.82  | PHP 57H100RSB  |
|         |               | 234.47                | 58                 | 5              | 233.10                             | –   | 20        | 54   | 90.0  | 33.3 | 50.0 | 5.82  | PHP 58H100RSB  |
|         |               | 242.55                | 60                 | 5              | 241.18                             | –   | 20        | 70   | 120.0 | 33.3 | 50.0 | 6.25  | PHP 60H100RSB  |
|         |               | 282.98                | 70                 | 5              | 281.61                             | –   | 20        | 70   | 120.0 | 33.3 | 55.0 | 7.55  | PHP 70H100RSB  |
|         |               | 291.06                | 72                 | 5              | 289.69                             | –   | 20        | 70   | 120.0 | 33.3 | 55.0 | 8.85  | PHP 72H100RSB  |
|         |               | 307.23                | 76                 | 5              | 305.86                             | –   | 20        | 70   | 120.0 | 33.3 | 55.0 | 9.43  | PHP 76H100RSB  |
|         |               | 339.57                | 84                 | 5              | 338.20                             | –   | 20        | 70   | 120.0 | 33.3 | 55.0 | 10.00 | PHP 84H100RSB  |
|         |               | 388.08                | 96                 | 5              | 386.71                             | –   | 24        | 70   | 120.0 | 33.3 | 60.0 | 10.48 | PHP 96H100RSB  |
|         |               | 485.10                | 120                | 5              | 483.73                             | –   | 24        | 70   | 120.0 | 33.3 | 60.0 | 13.10 | PHP 120H100RSB |
|         |               | 630.63                | 156                | 5              | 629.26                             | –   | 24        | 70   | 130.0 | 33.3 | 60.0 | 17.20 | PHP 156H100RSB |

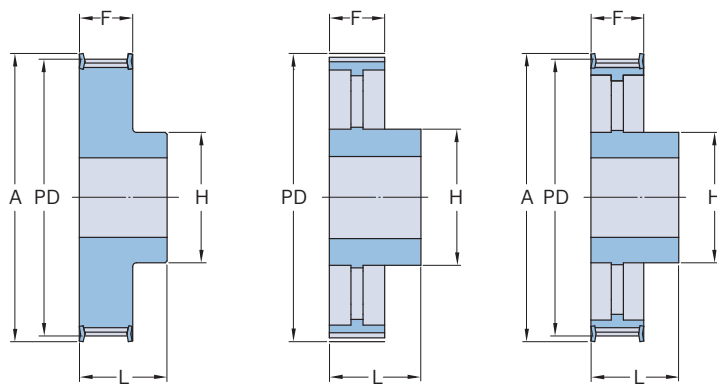
# Classical timing pulleys

## H Pilot bore (RSB)

| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions        |     |        |      |       |      |      | Mass  | Designation    |
|---------|------------|--------------------|-----------------|-------------|-------------------|-----|--------|------|-------|------|------|-------|----------------|
|         |            |                    |                 |             | Outer diameter OD | A   | B Min. | Max. | H     | F    | L    |       |                |
| –       | mm         |                    | –               | –           | mm                |     |        |      |       |      |      | kg    | –              |
| H       | 38.1       | 56.60              | 14              | 1F          | 55.23             | 63  | 12     | 27   | 40.0  | 46.0 | 58.0 | 0.82  | PHP 14H150RSB  |
|         |            | 60.64              | 15              | 1F          | 59.27             | 67  | 12     | 30   | 46.0  | 46.0 | 58.0 | 0.96  | PHP 15H150RSB  |
|         |            | 64.67              | 16              | 1F          | 63.30             | 71  | 12     | 30   | 46.0  | 46.0 | 58.0 | 1.10  | PHP 16H150RSB  |
|         |            | 68.72              | 17              | 1F          | 67.35             | 75  | 12     | 30   | 46.0  | 46.0 | 58.0 | 1.30  | PHP 17H150RSB  |
|         |            | 72.77              | 18              | 1F          | 71.40             | 79  | 12     | 30   | 55.0  | 46.0 | 58.0 | 1.50  | PHP 18H150RSB  |
|         |            | 76.81              | 19              | 1F          | 75.44             | 83  | 12     | 36   | 60.0  | 46.0 | 58.0 | 1.70  | PHP 19H150RSB  |
|         |            | 80.85              | 20              | 1F          | 79.48             | 87  | 12     | 41   | 62.0  | 46.0 | 58.0 | 1.80  | PHP 20H150RSB  |
|         |            | 84.89              | 21              | 1F          | 83.52             | 91  | 12     | 43   | 67.0  | 46.0 | 58.0 | 2.20  | PHP 21H150RSB  |
|         |            | 88.94              | 22              | 1F          | 87.57             | 95  | 12     | 45   | 70.0  | 46.0 | 58.0 | 2.30  | PHP 22H150RSB  |
|         |            | 92.98              | 23              | 1F          | 91.61             | 98  | 12     | 46   | 72.0  | 46.0 | 58.0 | 2.45  | PHP 23H150RSB  |
|         |            | 97.03              | 24              | 1F          | 95.66             | 103 | 12     | 47   | 75.0  | 46.0 | 58.0 | 2.60  | PHP 24H150RSB  |
|         |            | 101.06             | 25              | 1F          | 99.69             | 107 | 12     | 47   | 75.0  | 46.0 | 58.0 | 2.90  | PHP 25H150RSB  |
|         |            | 105.11             | 26              | 1F          | 103.74            | 111 | 15     | 54   | 80.0  | 46.0 | 58.0 | 3.20  | PHP 26H150RSB  |
|         |            | 109.15             | 27              | 1F          | 107.78            | 115 | 15     | 54   | 80.0  | 46.0 | 58.0 | 3.30  | PHP 27H150RSB  |
|         |            | 113.18             | 28              | 1F          | 111.81            | 119 | 15     | 54   | 80.0  | 46.0 | 58.0 | 3.39  | PHP 28H150RSB  |
|         |            | 117.23             | 29              | 1F          | 115.86            | 123 | 15     | 54   | 80.0  | 46.0 | 58.0 | 3.75  | PHP 29H150RSB  |
|         |            | 121.29             | 30              | 1F          | 119.92            | 127 | 15     | 54   | 80.0  | 46.0 | 58.0 | 4.10  | PHP 30H150RSB  |
|         |            | 125.32             | 31              | 1F          | 123.95            | 131 | 15     | 54   | 80.0  | 46.0 | 58.0 | 4.43  | PHP 31H150RSB  |
|         |            | 129.36             | 32              | 1F          | 127.99            | 135 | 20     | 54   | 80.0  | 46.0 | 58.0 | 4.77  | PHP 32H150RSB  |
|         |            | 133.40             | 33              | 1F          | 132.03            | 142 | 20     | 54   | 80.0  | 46.0 | 58.0 | 5.08  | PHP 33H150RSB  |
|         |            | 137.45             | 34              | 1F          | 136.08            | 142 | 20     | 54   | 80.0  | 46.0 | 58.0 | 5.40  | PHP 34H150RSB  |
|         |            | 141.49             | 35              | 1F          | 140.12            | 151 | 20     | 54   | 80.0  | 46.0 | 58.0 | 5.71  | PHP 35H150RSB  |
|         |            | 145.53             | 36              | 1F          | 144.16            | 151 | 20     | 54   | 80.0  | 46.0 | 58.0 | 6.02  | PHP 36H150RSB  |
|         |            | 153.62             | 38              | 1F          | 152.25            | 158 | 20     | 54   | 80.0  | 46.0 | 58.0 | 6.76  | PHP 38H150RSB  |
|         |            | 161.70             | 40              | 1F          | 160.33            | 168 | 20     | 54   | 80.0  | 46.0 | 58.0 | 7.50  | PHP 40H150RSB  |
|         |            | 169.79             | 42              | 1F          | 168.42            | 184 | 20     | 54   | 80.0  | 46.0 | 58.0 | 8.00  | PHP 42H150RSB  |
|         |            | 177.87             | 44              | 5F          | 176.50            | 184 | 20     | 48   | 80.0  | 46.0 | 58.0 | 5.00  | PHP 44H150RSB  |
|         |            | 181.91             | 45              | 5F          | 180.54            | 192 | 20     | 48   | 80.0  | 46.0 | 58.0 | 5.05  | PHP 45H150RSB  |
|         |            | 194.03             | 48              | 5F          | 192.66            | 200 | 20     | 54   | 90.0  | 46.0 | 65.0 | 5.10  | PHP 48H150RSB  |
|         |            | 202.13             | 50              | 5           | 200.76            | –   | 20     | 54   | 90.0  | 46.0 | 65.0 | 5.75  | PHP 50H150RSB  |
|         |            | 210.21             | 52              | 5           | 208.84            | –   | 20     | 54   | 90.0  | 46.0 | 65.0 | 6.40  | PHP 52H150RSB  |
|         |            | 230.43             | 57              | 5           | 229.06            | –   | 20     | 54   | 90.0  | 46.0 | 65.0 | 6.75  | PHP 57H150RSB  |
|         |            | 234.47             | 58              | 5           | 233.10            | –   | 20     | 54   | 90.0  | 46.0 | 65.0 | 7.05  | PHP 58H150RSB  |
|         |            | 242.55             | 60              | 5           | 241.18            | –   | 20     | 70   | 120.0 | 46.0 | 65.0 | 7.70  | PHP 60H150RSB  |
|         |            | 282.98             | 70              | 5           | 281.61            | –   | 20     | 70   | 120.0 | 46.0 | 65.0 | 8.20  | PHP 70H150RSB  |
|         |            | 291.06             | 72              | 5           | 289.69            | –   | 20     | 70   | 120.0 | 46.0 | 65.0 | 8.70  | PHP 72H150RSB  |
|         |            | 307.23             | 76              | 5           | 305.86            | –   | 20     | 70   | 120.0 | 46.0 | 65.0 | 9.67  | PHP 76H150RSB  |
|         |            | 339.57             | 84              | 5           | 338.20            | –   | 20     | 70   | 120.0 | 46.0 | 65.0 | 10.64 | PHP 84H150RSB  |
|         |            | 388.08             | 96              | 5           | 386.71            | –   | 24     | 70   | 120.0 | 46.0 | 65.0 | 13.40 | PHP 96H150RSB  |
|         |            | 485.10             | 120             | 5           | 483.73            | –   | 24     | 70   | 120.0 | 46.0 | 65.0 | 15.70 | PHP 120H150RSB |
|         |            | 630.63             | 156             | 5           | 629.26            | –   | 24     | 70   | 130.0 | 46.0 | 65.0 | 19.10 | PHP 156H150RSB |
| H       | 50.8       | 56.60              | 14              | 1F          | 55.23             | 63  | 12     | 27   | 40.0  | 59.5 | 70.0 | 1.25  | PHP 14H200RSB  |
|         |            | 60.64              | 15              | 1F          | 59.27             | 67  | 12     | 30   | 46.0  | 59.5 | 70.0 | 1.33  | PHP 15H200RSB  |
|         |            | 64.67              | 16              | 1F          | 63.30             | 71  | 12     | 30   | 46.0  | 59.5 | 70.0 | 1.40  | PHP 16H200RSB  |
|         |            | 68.72              | 17              | 1F          | 67.35             | 75  | 12     | 30   | 46.0  | 59.5 | 70.0 | 1.67  | PHP 17H200RSB  |
|         |            | 72.77              | 18              | 1F          | 71.40             | 79  | 12     | 30   | 55.0  | 59.5 | 70.0 | 1.94  | PHP 18H200RSB  |
|         |            | 76.81              | 19              | 1F          | 75.44             | 83  | 12     | 36   | 60.0  | 59.5 | 70.0 | 2.18  | PHP 19H200RSB  |
|         |            | 80.85              | 20              | 1F          | 79.48             | 87  | 12     | 41   | 62.0  | 59.5 | 70.0 | 2.43  | PHP 20H200RSB  |
|         |            | 84.89              | 21              | 1F          | 83.52             | 91  | 12     | 43   | 67.0  | 59.5 | 70.0 | 2.60  | PHP 21H200RSB  |
|         |            | 88.94              | 22              | 1F          | 87.57             | 95  | 12     | 45   | 70.0  | 59.5 | 70.0 | 2.80  | PHP 22H200RSB  |
|         |            | 92.98              | 23              | 1F          | 91.61             | 98  | 12     | 46   | 72.0  | 59.5 | 70.0 | 2.89  | PHP 23H200RSB  |
|         |            | 97.03              | 24              | 1F          | 95.66             | 103 | 12     | 47   | 75.0  | 59.5 | 70.0 | 2.97  | PHP 24H200RSB  |
|         |            | 101.06             | 25              | 1F          | 99.69             | 107 | 12     | 47   | 75.0  | 59.5 | 70.0 | 2.89  | PHP 25H200RSB  |
|         |            | 105.11             | 26              | 1F          | 103.74            | 111 | 15     | 54   | 80.0  | 59.5 | 70.0 | 3.90  | PHP 26H200RSB  |
|         |            | 109.15             | 27              | 1F          | 107.78            | 115 | 15     | 54   | 80.0  | 59.5 | 70.0 | 3.44  | PHP 27H200RSB  |
|         |            | 113.18             | 28              | 1F          | 111.81            | 119 | 15     | 54   | 80.0  | 59.5 | 70.0 | 4.60  | PHP 28H200RSB  |
|         |            | 117.23             | 29              | 1F          | 115.86            | 123 | 15     | 54   | 80.0  | 59.5 | 70.0 | 4.80  | PHP 29H200RSB  |
|         |            | 121.29             | 30              | 1F          | 119.92            | 127 | 15     | 54   | 80.0  | 59.5 | 70.0 | 5.00  | PHP 30H200RSB  |
|         |            | 125.32             | 31              | 1F          | 123.95            | 131 | 15     | 54   | 80.0  | 59.5 | 70.0 | 5.47  | PHP 31H200RSB  |
|         |            | 129.36             | 32              | 1F          | 127.99            | 135 | 20     | 54   | 80.0  | 59.5 | 70.0 | 5.93  | PHP 32H200RSB  |
|         |            | 133.40             | 33              | 1F          | 132.03            | 142 | 20     | 54   | 80.0  | 59.5 | 70.0 | 6.33  | PHP 33H200RSB  |
|         |            | 137.45             | 34              | 1F          | 136.08            | 142 | 20     | 54   | 80.0  | 59.5 | 70.0 | 6.73  | PHP 34H200RSB  |
|         |            | 141.49             | 35              | 1F          | 140.12            | 151 | 20     | 54   | 80.0  | 59.5 | 70.0 | 7.13  | PHP 35H200RSB  |
|         |            | 145.53             | 36              | 1F          | 144.16            | 151 | 20     | 54   | 80.0  | 59.5 | 70.0 | 7.53  | PHP 36H200RSB  |
|         |            | 153.62             | 38              | 1F          | 152.25            | 158 | 20     | 54   | 80.0  | 59.5 | 70.0 | 8.32  | PHP 38H200RSB  |
|         |            | 161.70             | 40              | 1F          | 160.33            | 168 | 20     | 54   | 80.0  | 59.5 | 70.0 | 9.11  | PHP 40H200RSB  |
|         |            | 169.79             | 42              | 1F          | 168.42            | 184 | 20     | 54   | 80.0  | 59.5 | 70.0 | 9.70  | PHP 42H200RSB  |
|         |            | 177.87             | 44              | 5F          | 176.50            | 184 | 20     | 48   | 80.0  | 59.5 | 70.0 | 5.00  | PHP 44H200RSB  |
|         |            | 181.91             | 45              | 5F          | 180.54            | 192 | 20     | 48   | 80.0  | 59.5 | 70.0 | 5.37  | PHP 45H200RSB  |
|         |            | 194.03             | 48              | 5F          | 192.66            | 200 | 20     | 54   | 90.0  | 59.5 | 75.0 | 5.73  | PHP 48H200RSB  |
|         |            | 202.13             | 50              | 5           | 200.76            | –   | 20     | 54   | 90.0  | 59.5 | 75.0 | 6.62  | PHP 50H200RSB  |
|         |            | 210.21             | 52              | 5           | 208.84            | –   | 20     | 54   | 90.0  | 59.5 | 75.0 | 7.50  | PHP 52H200RSB  |
|         |            | 230.43             | 57              | 5           | 229.06            | –   | 20     | 54   | 90.0  | 59.5 | 75.0 | 8.76  | PHP 57H200RSB  |

# Classical timing pulleys

H Pilot bore (RSB) | XH Pilot bore (RSB)



Type 1F

Type 5

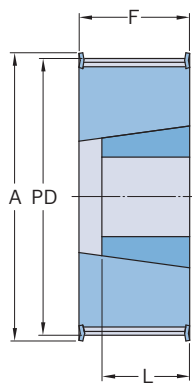
Type 5F

| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max. | H     | F    | L     | Mass  | Designation    |
|---------|------------|-----------------------|--------------------|----------------|------------------------------------|-----|-----------|------|-------|------|-------|-------|----------------|
| –       | mm         | –                     | –                  | –              | mm                                 | –   | –         | –    | –     | –    | –     | kg    | –              |
| H       | 50.8       | 234.47                | 58                 | 5              | 233.10                             | –   | 20        | 54   | 90.0  | 59.5 | 75.0  | 8.39  | PHP 58H200RSB  |
|         |            | 242.55                | 60                 | 5              | 241.18                             | –   | 20        | 70   | 120.0 | 59.5 | 75.0  | 9.27  | PHP 60H200RSB  |
|         |            | 282.98                | 70                 | 5              | 281.61                             | –   | 20        | 70   | 120.0 | 59.5 | 75.0  | 9.80  | PHP 70H200RSB  |
|         |            | 291.06                | 72                 | 5              | 289.69                             | –   | 20        | 70   | 120.0 | 59.5 | 75.0  | 10.32 | PHP 72H200RSB  |
|         |            | 307.23                | 76                 | 5              | 305.86                             | –   | 20        | 70   | 120.0 | 59.5 | 75.0  | 11.41 | PHP 76H200RSB  |
|         |            | 339.57                | 84                 | 5              | 338.20                             | –   | 20        | 70   | 120.0 | 59.5 | 75.0  | 12.50 | PHP 84H200RSB  |
|         |            | 388.08                | 96                 | 5              | 386.71                             | –   | 24        | 70   | 120.0 | 59.5 | 75.0  | 14.00 | PHP 96H200RSB  |
|         |            | 485.10                | 120                | 5              | 483.73                             | –   | 24        | 70   | 120.0 | 59.5 | 75.0  | 18.10 | PHP 120H200RSB |
|         |            | 630.63                | 156                | 5              | 629.26                             | –   | 24        | 70   | 130.0 | 59.5 | 75.0  | 22.00 | PHP 156H200RSB |
|         |            |                       |                    |                |                                    |     |           |      |       |      |       |       |                |
| H       | 76.2       | 56.60                 | 14                 | 1F             | 55.23                              | 63  | 14        | 27   | 40.0  | 85.5 | 100.0 | 1.80  | PHP 14H300RSB  |
|         |            | 60.64                 | 15                 | 1F             | 59.27                              | 67  | 14        | 30   | 46.0  | 85.5 | 100.0 | 1.90  | PHP 15H300RSB  |
|         |            | 64.67                 | 16                 | 1F             | 63.30                              | 71  | 14        | 30   | 46.0  | 85.5 | 100.0 | 2.00  | PHP 16H300RSB  |
|         |            | 68.72                 | 17                 | 1F             | 67.35                              | 75  | 14        | 30   | 46.0  | 85.5 | 100.0 | 2.24  | PHP 17H300RSB  |
|         |            | 72.77                 | 18                 | 1F             | 71.40                              | 79  | 14        | 30   | 55.0  | 85.5 | 100.0 | 2.47  | PHP 18H300RSB  |
|         |            | 76.81                 | 19                 | 1F             | 75.44                              | 83  | 14        | 36   | 60.0  | 85.5 | 100.0 | 2.90  | PHP 19H300RSB  |
|         |            | 80.85                 | 20                 | 1F             | 79.48                              | 87  | 15        | 41   | 62.0  | 85.5 | 100.0 | 3.20  | PHP 20H300RSB  |
|         |            | 84.89                 | 21                 | 1F             | 83.52                              | 91  | 15        | 43   | 67.0  | 85.5 | 100.0 | 3.60  | PHP 21H300RSB  |
|         |            | 88.94                 | 22                 | 1F             | 87.57                              | 95  | 15        | 45   | 70.0  | 85.5 | 100.0 | 4.00  | PHP 22H300RSB  |
|         |            | 92.98                 | 23                 | 1F             | 91.61                              | 98  | 15        | 46   | 72.0  | 85.5 | 100.0 | 4.35  | PHP 23H300RSB  |
|         |            | 97.03                 | 24                 | 1F             | 95.66                              | 103 | 15        | 47   | 75.0  | 85.5 | 100.0 | 4.70  | PHP 24H300RSB  |
|         |            | 101.06                | 25                 | 1F             | 99.69                              | 107 | 15        | 47   | 75.0  | 85.5 | 100.0 | 5.24  | PHP 25H300RSB  |
|         |            | 105.11                | 26                 | 1F             | 103.74                             | 111 | 15        | 54   | 80.0  | 85.5 | 100.0 | 5.78  | PHP 26H300RSB  |
|         |            | 109.15                | 27                 | 1F             | 107.78                             | 115 | 15        | 54   | 80.0  | 85.5 | 100.0 | 6.16  | PHP 27H300RSB  |
|         |            | 113.18                | 28                 | 1F             | 111.81                             | 119 | 15        | 54   | 80.0  | 85.5 | 100.0 | 6.54  | PHP 28H300RSB  |
|         |            | 117.23                | 29                 | 1F             | 115.86                             | 123 | 15        | 54   | 80.0  | 85.5 | 100.0 | 6.77  | PHP 29H300RSB  |
|         |            | 121.29                | 30                 | 1F             | 119.92                             | 127 | 15        | 54   | 80.0  | 85.5 | 100.0 | 7.00  | PHP 30H300RSB  |
|         |            | 125.32                | 31                 | 1F             | 123.95                             | 131 | 15        | 54   | 80.0  | 85.5 | 100.0 | 7.83  | PHP 31H300RSB  |
|         |            | 129.36                | 32                 | 1F             | 127.99                             | 135 | 20        | 54   | 80.0  | 85.5 | 100.0 | 8.66  | PHP 32H300RSB  |
|         |            | 133.40                | 33                 | 1F             | 132.03                             | 142 | 20        | 54   | 80.0  | 85.5 | 100.0 | 9.23  | PHP 33H300RSB  |
|         |            | 137.45                | 34                 | 1F             | 136.08                             | 142 | 20        | 54   | 80.0  | 85.5 | 100.0 | 9.79  | PHP 34H300RSB  |
|         |            | 141.47                | 35                 | 1F             | 140.10                             | 151 | 20        | 54   | 80.0  | 85.5 | 100.0 | 10.36 | PHP 35H300RSB  |
|         |            | 145.53                | 36                 | 1F             | 144.16                             | 151 | 20        | 54   | 80.0  | 85.5 | 100.0 | 10.92 | PHP 36H300RSB  |
|         |            | 153.62                | 38                 | 1F             | 152.25                             | 158 | 20        | 54   | 80.0  | 85.5 | 100.0 | 12.20 | PHP 38H300RSB  |
|         |            | 161.70                | 40                 | 1F             | 160.33                             | 168 | 20        | 54   | 80.0  | 85.5 | 100.0 | 13.50 | PHP 40H300RSB  |
|         |            | 169.79                | 42                 | 1F             | 168.42                             | 184 | 20        | 54   | 80.0  | 85.5 | 100.0 | 14.50 | PHP 42H300RSB  |
|         |            | 177.87                | 44                 | 5F             | 176.50                             | 184 | 20        | 48   | 80.0  | 85.5 | 100.0 | 8.06  | PHP 44H300RSB  |
|         |            | 194.03                | 48                 | 5F             | 192.66                             | 200 | 20        | 54   | 90.0  | 85.5 | 100.0 | 9.67  | PHP 48H300RSB  |
|         |            | 202.13                | 50                 | 5              | 200.76                             | –   | 20        | 54   | 90.0  | 85.5 | 100.0 | 10.87 | PHP 50H300RSB  |
|         |            | 230.43                | 57                 | 5              | 229.06                             | –   | 20        | 54   | 90.0  | 85.5 | 100.0 | 11.92 | PHP 57H300RSB  |
|         |            | 234.47                | 58                 | 5              | 233.10                             | –   | 20        | 54   | 90.0  | 85.5 | 100.0 | 12.07 | PHP 58H300RSB  |
|         |            | 242.55                | 60                 | 5              | 241.18                             | –   | 20        | 70   | 120.0 | 85.5 | 100.0 | 13.30 | PHP 60H300RSB  |
|         |            | 291.06                | 72                 | 5              | 289.69                             | –   | 20        | 70   | 120.0 | 85.5 | 100.0 | 15.70 | PHP 72H300RSB  |
|         |            | 307.24                | 76                 | 5              | 305.87                             | –   | 20        | 70   | 120.0 | 85.5 | 100.0 | 16.17 | PHP 76H300RSB  |
|         |            | 339.57                | 84                 | 5              | 338.20                             | –   | 20        | 70   | 120.0 | 85.5 | 100.0 | 17.10 | PHP 84H300RSB  |
|         |            | 388.09                | 96                 | 5              | 386.72                             | –   | 24        | 70   | 120.0 | 85.5 | 100.0 | 20.40 | PHP 96H300RSB  |
|         |            | 485.12                | 120                | 5              | 483.75                             | –   | 24        | 70   | 120.0 | 85.5 | 100.0 | 27.80 | PHP 120H300RSB |
|         |            | 630.63                | 156                | 5              | 629.26                             | –   | 24        | 70   | 130.0 | 85.5 | 100.0 | 35.00 | PHP 156H300RSB |
| XH      | 50.8       | 127.34                | 18                 | 1F             | 124.54                             | 141 | 24        | 67   | 100.0 | 65.1 | 80.0  | 5.00  | PHP 18XH200RSB |
|         |            | 134.41                | 19                 | 1F             | 131.61                             | 146 | 24        | 67   | 100.0 | 65.1 | 80.0  | 5.50  | PHP 19XH200RSB |
|         |            | 141.49                | 20                 | 1F             | 138.69                             | 155 | 24        | 67   | 100.0 | 65.1 | 80.0  | 6.00  | PHP 20XH200RSB |
|         |            | 148.56                | 21                 | 1F             | 145.76                             | 169 | 24        | 73   | 110.0 | 65.1 | 80.0  | 6.60  | PHP 21XH200RSB |
|         |            | 155.64                | 22                 | 1F             | 152.84                             | 169 | 24        | 73   | 110.0 | 65.1 | 80.0  | 7.20  | PHP 22XH200RSB |
|         |            | 169.79                | 24                 | 1F             | 166.99                             | 183 | 24        | 80   | 120.0 | 65.1 | 80.0  | 8.60  | PHP 24XH200RSB |

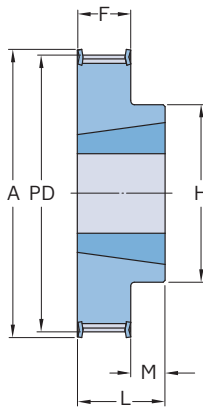
Classical timing pulleys  
XH Pilot bore (RSB)

| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max. | H     | F     | L     | Mass  | Designation    |
|---------|------------|-----------------------|--------------------|----------------|------------------------------------|-----|-----------|------|-------|-------|-------|-------|----------------|
| –       | mm         | –                     | –                  | –              | mm                                 | –   | –         | –    | –     | –     | –     | kg    | –              |
| XH      | 50.8       | 176.86                | 25                 | 1F             | 174.06                             | 198 | 24        | 80   | 120.0 | 65.1  | 80.0  | 9.40  | PHP 25XH200RSB |
|         |            | 183.93                | 26                 | 1F             | 181.13                             | 198 | 24        | 80   | 120.0 | 65.1  | 80.0  | 9.70  | PHP 26XH200RSB |
|         |            | 191.01                | 27                 | 1F             | 188.21                             | 212 | 24        | 80   | 120.0 | 65.1  | 80.0  | 9.90  | PHP 27XH200RSB |
|         |            | 198.09                | 28                 | 1F             | 195.29                             | 212 | 24        | 80   | 120.0 | 65.1  | 80.0  | 10.00 | PHP 28XH200RSB |
|         |            | 212.23                | 30                 | 1F             | 209.43                             | 226 | 24        | 80   | 120.0 | 65.1  | 80.0  | 10.40 | PHP 30XH200RSB |
|         |            | 226.38                | 32                 | 1F             | 223.58                             | 240 | 24        | 80   | 120.0 | 65.1  | 80.0  | 11.20 | PHP 32XH200RSB |
|         |            | 240.53                | 34                 | 1F             | 237.73                             | 256 | 24        | 80   | 120.0 | 65.1  | 80.0  | 12.60 | PHP 34XH200RSB |
|         |            | 268.83                | 38                 | 5              | 266.03                             | –   | 28        | 100  | 150.0 | 65.1  | 80.0  | 14.60 | PHP 38XH200RSB |
|         |            | 282.98                | 40                 | 5              | 280.18                             | –   | 28        | 100  | 150.0 | 65.1  | 100.0 | 16.00 | PHP 40XH200RSB |
|         |            | 339.57                | 48                 | 5              | 336.77                             | –   | 28        | 100  | 150.0 | 65.1  | 100.0 | 18.40 | PHP 48XH200RSB |
|         |            | 424.47                | 60                 | 5              | 421.67                             | –   | 28        | 100  | 150.0 | 65.1  | 100.0 | 24.30 | PHP 60XH200RSB |
|         |            | 127.34                | 18                 | 1F             | 124.54                             | 141 | 28        | 67   | 100.0 | 92.1  | 110.0 | 6.80  | PHP 18XH300RSB |
|         |            | 134.41                | 19                 | 1F             | 131.61                             | 146 | 28        | 67   | 100.0 | 92.1  | 110.0 | 7.10  | PHP 19XH300RSB |
|         |            | 141.49                | 20                 | 1F             | 138.69                             | 155 | 28        | 67   | 100.0 | 92.1  | 110.0 | 7.40  | PHP 20XH300RSB |
|         |            | 148.56                | 21                 | 1F             | 145.76                             | 169 | 28        | 73   | 110.0 | 92.1  | 110.0 | 8.20  | PHP 21XH300RSB |
|         |            | 155.64                | 22                 | 1F             | 152.84                             | 169 | 28        | 73   | 110.0 | 92.1  | 110.0 | 9.00  | PHP 22XH300RSB |
| XH      | 76.2       | 169.79                | 24                 | 1F             | 166.99                             | 183 | 28        | 80   | 120.0 | 92.1  | 110.0 | 10.60 | PHP 24XH300RSB |
|         |            | 176.86                | 25                 | 1F             | 174.06                             | 198 | 28        | 80   | 120.0 | 92.1  | 110.0 | 11.80 | PHP 25XH300RSB |
|         |            | 183.93                | 26                 | 1F             | 181.13                             | 198 | 28        | 80   | 120.0 | 92.1  | 110.0 | 12.00 | PHP 26XH300RSB |
|         |            | 191.01                | 27                 | 1F             | 188.21                             | 212 | 28        | 80   | 120.0 | 92.1  | 110.0 | 12.50 | PHP 27XH300RSB |
|         |            | 198.09                | 28                 | 1F             | 195.29                             | 212 | 28        | 80   | 150.0 | 92.1  | 110.0 | 13.00 | PHP 28XH300RSB |
|         |            | 212.23                | 30                 | 1F             | 209.43                             | 226 | 28        | 80   | 150.0 | 92.1  | 110.0 | 13.75 | PHP 30XH300RSB |
|         |            | 226.38                | 32                 | 1F             | 223.58                             | 240 | 28        | 80   | 150.0 | 92.1  | 110.0 | 14.70 | PHP 32XH300RSB |
|         |            | 240.53                | 34                 | 1F             | 237.73                             | 256 | 28        | 80   | 150.0 | 92.1  | 110.0 | 16.30 | PHP 34XH300RSB |
|         |            | 268.83                | 38                 | 5              | 266.03                             | –   | 32        | 100  | 150.0 | 92.1  | 120.0 | 18.30 | PHP 38XH300RSB |
|         |            | 282.98                | 40                 | 5              | 280.18                             | –   | 32        | 100  | 150.0 | 92.1  | 120.0 | 19.90 | PHP 40XH300RSB |
|         |            | 339.57                | 48                 | 5              | 336.77                             | –   | 32        | 100  | 175.0 | 92.1  | 120.0 | 22.50 | PHP 48XH300RSB |
|         |            | 424.47                | 60                 | 5              | 421.67                             | –   | 32        | 100  | 175.0 | 92.1  | 120.0 | 31.50 | PHP 60XH300RSB |
|         |            | 127.34                | 18                 | 1F             | 124.54                             | 141 | 32        | 67   | 100.0 | 119.0 | 132.0 | 8.50  | PHP 18XH400RSB |
|         |            | 134.41                | 19                 | 1F             | 131.61                             | 146 | 32        | 67   | 100.0 | 119.0 | 132.0 | 9.00  | PHP 19XH400RSB |
|         |            | 141.49                | 20                 | 1F             | 138.69                             | 155 | 32        | 67   | 100.0 | 119.0 | 132.0 | 9.40  | PHP 20XH400RSB |
|         |            | 148.56                | 21                 | 1F             | 145.76                             | 169 | 32        | 73   | 110.0 | 119.0 | 132.0 | 10.50 | PHP 21XH400RSB |
| XH      | 101.6      | 155.64                | 22                 | 1F             | 152.84                             | 169 | 32        | 73   | 110.0 | 119.0 | 132.0 | 11.50 | PHP 22XH400RSB |
|         |            | 169.79                | 24                 | 1F             | 166.99                             | 183 | 32        | 80   | 120.0 | 119.0 | 132.0 | 13.40 | PHP 24XH400RSB |
|         |            | 176.86                | 25                 | 1F             | 174.06                             | 198 | 32        | 80   | 120.0 | 119.0 | 132.0 | 14.50 | PHP 25XH400RSB |
|         |            | 183.93                | 26                 | 1F             | 181.13                             | 198 | 32        | 80   | 120.0 | 119.0 | 132.0 | 15.60 | PHP 26XH400RSB |
|         |            | 191.01                | 27                 | 1F             | 188.21                             | 212 | 32        | 80   | 120.0 | 119.0 | 132.0 | 15.10 | PHP 27XH400RSB |
|         |            | 198.09                | 28                 | 1F             | 195.29                             | 212 | 32        | 100  | 150.0 | 119.0 | 132.0 | 14.50 | PHP 28XH400RSB |
|         |            | 212.23                | 30                 | 1F             | 209.43                             | 227 | 32        | 100  | 150.0 | 119.0 | 132.0 | 16.00 | PHP 30XH400RSB |
|         |            | 226.38                | 32                 | 1F             | 223.58                             | 240 | 32        | 100  | 150.0 | 119.0 | 132.0 | 18.00 | PHP 32XH400RSB |
|         |            | 240.53                | 34                 | 1F             | 237.73                             | 256 | 32        | 100  | 150.0 | 119.0 | 132.0 | 20.00 | PHP 34XH400RSB |
|         |            | 268.83                | 38                 | 5              | 266.03                             | –   | 32        | 100  | 150.0 | 119.0 | 132.0 | 22.00 | PHP 38XH400RSB |
|         |            | 282.98                | 40                 | 5              | 280.18                             | –   | 32        | 100  | 150.0 | 119.0 | 132.0 | 24.00 | PHP 40XH400RSB |
|         |            | 339.57                | 48                 | 5              | 336.77                             | –   | 32        | 110  | 175.0 | 119.0 | 132.0 | 30.80 | PHP 48XH400RSB |
|         |            | 424.47                | 60                 | 5              | 421.67                             | –   | 32        | 110  | 175.0 | 119.0 | 132.0 | 36.20 | PHP 60XH400RSB |

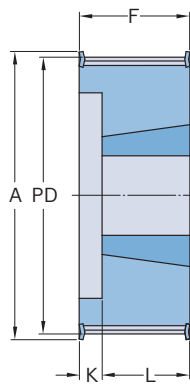
Classical timing pulleys  
L Taper bushed



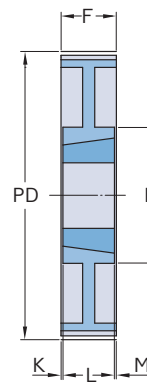
Type 2F



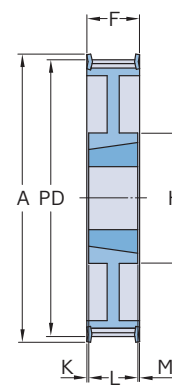
Type 3F



Type 4F



Type 7



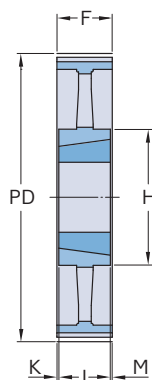
Type 7F

| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions<br>Outer diameter OD | A   | B<br>Min. | Max. | F    | K    | L  | M   | H   | Mass <sup>1)</sup> | Designation   |
|---------|------------|--------------------|-----------------|-------------|----------------|---------------------------------|-----|-----------|------|------|------|----|-----|-----|--------------------|---------------|
| –       | mm         | –                  | –               | –           | –              | mm                              | –   | –         | –    | –    | –    | –  | –   | –   | kg                 | –             |
| L       | 12.7       | 54.57              | 18              | 3F          | 1108           | 53.81                           | 60  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 45  | 0.18               | PHP 18L050TB  |
|         |            | 57.61              | 19              | 3F          | 1108           | 56.85                           | 63  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 45  | 0.21               | PHP 19L050TB  |
|         |            | 60.64              | 20              | 3F          | 1108           | 59.88                           | 66  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 47  | 0.24               | PHP 20L050TB  |
|         |            | 63.67              | 21              | 3F          | 1108           | 62.91                           | 69  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 49  | 0.30               | PHP 21L050TB  |
|         |            | 66.70              | 22              | 3F          | 1108           | 65.94                           | 72  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 53  | 0.36               | PHP 22L050TB  |
|         |            | 69.73              | 23              | 3F          | 1108           | 68.97                           | 78  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 54  | 0.39               | PHP 23L050TB  |
|         |            | 72.77              | 24              | 3F          | 1108           | 72.01                           | 78  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 54  | 0.42               | PHP 24L050TB  |
|         |            | 75.80              | 25              | 3F          | 1108           | 75.04                           | 85  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 56  | 0.49               | PHP 25L050TB  |
|         |            | 78.83              | 26              | 3F          | 1108           | 78.07                           | 85  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 60  | 0.54               | PHP 26L050TB  |
|         |            | 81.86              | 27              | 3F          | 1108           | 81.10                           | 91  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 62  | 0.61               | PHP 27L050TB  |
|         |            | 84.89              | 28              | 3F          | 1108           | 84.13                           | 91  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 63  | 0.64               | PHP 28L050TB  |
|         |            | 90.06              | 30              | 3F          | 1108           | 89.30                           | 97  | 9         | 28   | 19.1 | –    | 22 | 3.0 | 70  | 0.77               | PHP 30L050TB  |
|         |            | 97.02              | 32              | 3F          | 1108           | 96.26                           | 103 | 9         | 28   | 19.1 | –    | 22 | 3.0 | 74  | 0.89               | PHP 32L050TB  |
|         |            | 109.15             | 36              | 3F          | 1108           | 108.39                          | 115 | 9         | 28   | 19.1 | –    | 22 | 3.0 | 85  | 1.18               | PHP 36L050TB  |
|         |            | 121.28             | 40              | 3F          | 1610           | 120.52                          | 127 | 14        | 42   | 19.1 | –    | 25 | 6.0 | 90  | 1.35               | PHP 40L050TB  |
|         |            | 133.40             | 44              | 3F          | 1610           | 132.64                          | 139 | 14        | 42   | 19.1 | –    | 25 | 6.0 | 90  | 1.60               | PHP 44L050TB  |
|         |            | 145.53             | 48              | 9F          | 1610           | 144.77                          | 152 | 14        | 42   | 19.1 | –    | 25 | 6.0 | 92  | 1.80               | PHP 48L050TB  |
|         |            | 181.91             | 60              | 9           | 1610           | 181.15                          | –   | 14        | 42   | 19.1 | 3.0  | 25 | 3.0 | 92  | 2.46               | PHP 60L050TB  |
|         |            | 218.30             | 72              | 9           | 1610           | 217.54                          | –   | 14        | 42   | 19.1 | 3.0  | 25 | 3.0 | 92  | 3.29               | PHP 72L050TB  |
|         |            | 254.68             | 84              | 9           | 1610           | 253.92                          | –   | 14        | 42   | 19.1 | 3.0  | 25 | 3.0 | 92  | 4.12               | PHP 84L050TB  |
|         |            | 291.06             | 96              | 9           | 2012           | 290.30                          | –   | 14        | 50   | 19.1 | 6.5  | 32 | 6.5 | 111 | 4.55               | PHP 96L050TB  |
|         |            | 363.83             | 120             | 9           | 2012           | 363.07                          | –   | 14        | 50   | 19.1 | 6.5  | 32 | 6.5 | 111 | 5.71               | PHP 120L050TB |
| L       | 19.1       | 54.57              | 18              | 2F          | 1108           | 53.81                           | 60  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.20               | PHP 18L075TB  |
|         |            | 57.61              | 19              | 2F          | 1108           | 56.85                           | 63  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.30               | PHP 19L075TB  |
|         |            | 60.64              | 20              | 2F          | 1108           | 59.88                           | 66  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.30               | PHP 20L075TB  |
|         |            | 63.67              | 21              | 2F          | 1108           | 62.91                           | 69  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.40               | PHP 21L075TB  |
|         |            | 66.70              | 22              | 2F          | 1108           | 65.94                           | 72  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.40               | PHP 22L075TB  |
|         |            | 69.73              | 23              | 2F          | 1108           | 68.97                           | 78  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.50               | PHP 23L075TB  |
|         |            | 72.77              | 24              | 2F          | 1108           | 72.01                           | 78  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.50               | PHP 24L075TB  |
|         |            | 75.80              | 25              | 2F          | 1108           | 75.04                           | 85  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.60               | PHP 25L075TB  |
|         |            | 78.83              | 26              | 2F          | 1108           | 78.07                           | 85  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.70               | PHP 26L075TB  |
|         |            | 81.86              | 27              | 2F          | 1108           | 81.10                           | 91  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.70               | PHP 27L075TB  |
|         |            | 84.89              | 28              | 2F          | 1108           | 84.13                           | 91  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 0.80               | PHP 28L075TB  |
|         |            | 90.96              | 30              | 2F          | 1108           | 90.20                           | 97  | 9         | 28   | 25.4 | –    | 25 | –   | –   | 1.00               | PHP 30L075TB  |
|         |            | 97.02              | 32              | 2F          | 1108           | 96.26                           | 103 | 9         | 28   | 25.4 | –    | 25 | –   | –   | 1.10               | PHP 32L075TB  |
|         |            | 109.15             | 36              | 2F          | 1610           | 108.39                          | 115 | 14        | 42   | 25.4 | –    | 25 | –   | –   | 1.20               | PHP 36L075TB  |
|         |            | 121.28             | 40              | 2F          | 1610           | 120.52                          | 127 | 14        | 42   | 25.4 | –    | 25 | –   | –   | 1.60               | PHP 40L075TB  |
|         |            | 133.40             | 44              | 2F          | 1610           | 132.64                          | 139 | 14        | 42   | 25.4 | –    | 25 | –   | –   | 1.90               | PHP 44L075TB  |
|         |            | 145.53             | 48              | 7F          | 1610           | 144.77                          | 152 | 14        | 42   | 25.4 | –    | 25 | –   | 92  | 2.20               | PHP 48L075TB  |
|         |            | 181.91             | 60              | 7           | 1610           | 181.15                          | –   | 14        | 42   | 25.4 | –    | 25 | –   | 92  | 3.00               | PHP 60L075TB  |
|         |            | 218.30             | 72              | 8           | 1610           | 217.54                          | –   | 14        | 42   | 25.4 | –    | 25 | –   | 92  | 4.00               | PHP 72L075TB  |
|         |            | 254.68             | 84              | 9           | 2012           | 253.92                          | –   | 14        | 50   | 25.4 | 3.5  | 32 | 3.5 | 106 | 5.20               | PHP 84L075TB  |
|         |            | 291.06             | 96              | 9           | 2012           | 290.30                          | –   | 14        | 50   | 25.4 | 3.5  | 32 | 3.5 | 106 | 6.50               | PHP 96L075TB  |
|         |            | 363.83             | 120             | 9           | 2012           | 363.07                          | –   | 14        | 50   | 25.4 | 3.5  | 32 | 3.5 | 106 | 7.60               | PHP 120L075TB |
| L       | 25.4       | 54.57              | 18              | 4F          | 1108           | 53.81                           | 60  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.27               | PHP 18L100TB  |
|         |            | 57.61              | 19              | 4F          | 1108           | 56.85                           | 63  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.30               | PHP 19L100TB  |
|         |            | 60.64              | 20              | 4F          | 1108           | 59.88                           | 66  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.36               | PHP 20L100TB  |
|         |            | 63.67              | 21              | 4F          | 1108           | 62.91                           | 69  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.44               | PHP 21L100TB  |
|         |            | 66.70              | 22              | 4F          | 1108           | 65.94                           | 72  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.51               | PHP 22L100TB  |
|         |            | 69.73              | 23              | 4F          | 1108           | 68.97                           | 78  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.54               | PHP 23L100TB  |
|         |            | 72.77              | 24              | 4F          | 1108           | 72.01                           | 78  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.58               | PHP 24L100TB  |
|         |            | 75.80              | 25              | 4F          | 1108           | 75.04                           | 85  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.67               | PHP 25L100TB  |
|         |            | 78.83              | 26              | 4F          | 1108           | 78.07                           | 85  | 9         | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.72               | PHP 26L100TB  |

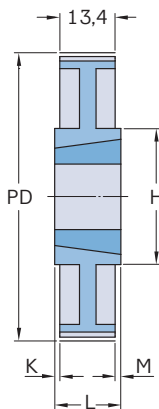
<sup>1)</sup> Mass does not include bushings..

# Classical timing pulleys

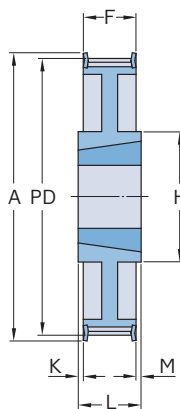
L Taper bushed | H Taper bushed



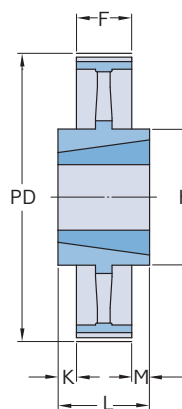
Type 8



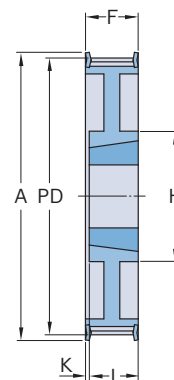
Type 9



Type 9F



Type 10

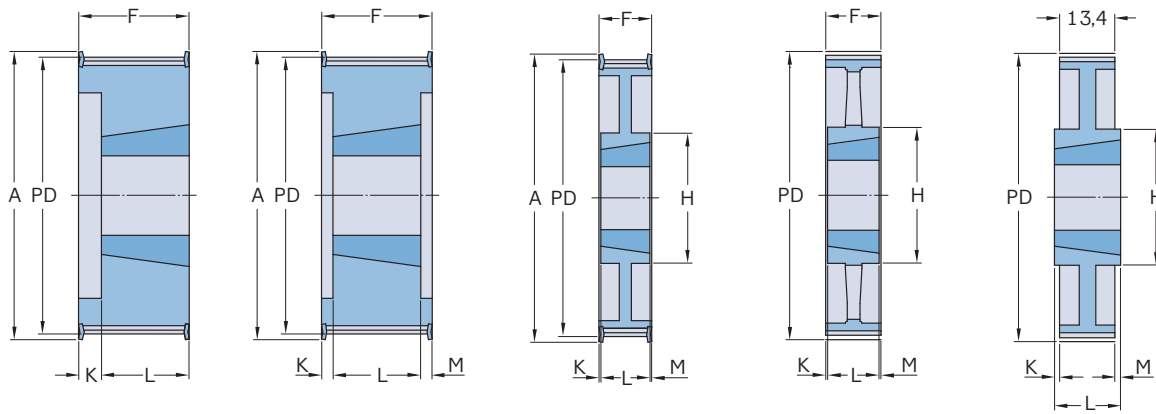


Type 13F

| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions        |     |      |      |      |      |    |     |     |      |               | Mass <sup>1)</sup> | Designation |
|---------|------------|--------------------|-----------------|-------------|----------------|-------------------|-----|------|------|------|------|----|-----|-----|------|---------------|--------------------|-------------|
|         |            |                    |                 |             |                | Outer diameter OD | A   | B    |      | F    | K    | L  | M   | H   |      |               | kg                 |             |
| –       | mm         |                    | –               | –           | –              | mm                |     | Min. | Max. |      |      |    |     |     |      |               |                    | –           |
| L       | 25.4       | 81.86              | 27              | 4F          | 1108           | 81.10             | 91  | 9    | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.80 | PHP 27L100TB  |                    |             |
|         |            | 84.89              | 28              | 4F          | 1108           | 84.13             | 91  | 9    | 28   | 31.8 | 10.0 | 22 | –   | –   | 0.83 | PHP 28L100TB  |                    |             |
|         |            | 90.96              | 30              | 4F          | 1210           | 90.20             | 97  | 11   | 32   | 31.8 | 7.0  | 25 | –   | –   | 0.94 | PHP 30L100TB  |                    |             |
|         |            | 97.02              | 32              | 4F          | 1210           | 96.26             | 103 | 11   | 32   | 31.8 | 7.0  | 25 | –   | –   | 1.10 | PHP 32L100TB  |                    |             |
|         |            | 109.15             | 36              | 4F          | 1610           | 108.39            | 115 | 14   | 42   | 31.8 | 7.0  | 25 | –   | –   | 1.33 | PHP 36L100TB  |                    |             |
|         |            | 121.28             | 40              | 4F          | 1610           | 120.52            | 127 | 14   | 42   | 31.8 | 7.0  | 25 | –   | –   | 1.70 | PHP 40L100TB  |                    |             |
|         |            | 133.40             | 44              | 4F          | 1610           | 132.64            | 139 | 14   | 42   | 31.8 | 7.0  | 25 | –   | –   | 2.30 | PHP 44L100TB  |                    |             |
|         |            | 145.53             | 48              | 13F         | 1610           | 144.77            | 152 | 14   | 42   | 31.8 | 7.0  | 25 | –   | 92  | 2.60 | PHP 48L100TB  |                    |             |
|         |            | 181.91             | 60              | 7           | 1610           | 181.15            | –   | 14   | 42   | 31.8 | 3.5  | 25 | 3.5 | 92  | 3.76 | PHP 60L100TB  |                    |             |
|         |            | 218.30             | 72              | 10          | 2012           | 217.54            | –   | 14   | 50   | 31.8 | –    | 32 | –   | 111 | 4.40 | PHP 72L100TB  |                    |             |
|         |            | 254.68             | 84              | 10          | 2012           | 253.92            | –   | 14   | 50   | 31.8 | –    | 32 | –   | 111 | 5.87 | PHP 84L100TB  |                    |             |
|         |            | 291.06             | 96              | 10          | 2012           | 290.30            | –   | 14   | 50   | 31.8 | –    | 32 | –   | 111 | 7.26 | PHP 96L100TB  |                    |             |
|         |            | 363.83             | 120             | 10          | 2012           | 363.07            | –   | 14   | 50   | 31.8 | –    | 32 | –   | 111 | 8.50 | PHP 120L100TB |                    |             |
| H       | 19.1       | 56.60              | 14              | 2F          | 1108           | 55.23             | 62  | 9    | 28   | 27.0 | –    | 22 | –   | –   | 0.48 | PHP 14H075TB  |                    |             |
|         |            | 60.64              | 15              | 2F          | 1108           | 59.27             | 67  | 9    | 28   | 27.0 | –    | 22 | –   | –   | 0.53 | PHP 15H075TB  |                    |             |
|         |            | 64.67              | 16              | 2F          | 1108           | 63.30             | 71  | 9    | 28   | 27.0 | –    | 22 | –   | –   | 0.57 | PHP 16H075TB  |                    |             |
|         |            | 68.72              | 17              | 2F          | 1108           | 67.35             | 75  | 9    | 28   | 27.0 | –    | 22 | –   | –   | 0.67 | PHP 17H075TB  |                    |             |
|         |            | 72.77              | 18              | 2F          | 1210           | 71.40             | 79  | 11   | 32   | 27.0 | –    | 25 | –   | –   | 0.76 | PHP 18H075TB  |                    |             |
|         |            | 76.81              | 19              | 2F          | 1210           | 75.44             | 83  | 11   | 32   | 27.0 | –    | 25 | –   | –   | 0.95 | PHP 19H075TB  |                    |             |
|         |            | 80.85              | 20              | 2F          | 1210           | 79.48             | 87  | 11   | 32   | 27.0 | –    | 25 | –   | –   | 1.05 | PHP 20H075TB  |                    |             |
|         |            | 84.89              | 21              | 2F          | 1210           | 83.52             | 91  | 11   | 32   | 27.0 | –    | 25 | –   | –   | 1.14 | PHP 21H075TB  |                    |             |
|         |            | 88.94              | 22              | 2F          | 1210           | 87.57             | 95  | 11   | 32   | 27.0 | –    | 25 | –   | –   | 1.33 | PHP 22H075TB  |                    |             |
|         |            | 92.98              | 23              | 2F          | 1610           | 91.61             | 98  | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.43 | PHP 23H075TB  |                    |             |
|         |            | 97.02              | 24              | 2F          | 1610           | 95.65             | 103 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.52 | PHP 24H075TB  |                    |             |
|         |            | 101.06             | 25              | 2F          | 1610           | 99.69             | 107 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.62 | PHP 25H075TB  |                    |             |
|         |            | 105.11             | 26              | 2F          | 1610           | 103.74            | 111 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.71 | PHP 26H075TB  |                    |             |
|         |            | 109.15             | 27              | 2F          | 1610           | 107.78            | 115 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.81 | PHP 27H075TB  |                    |             |
|         |            | 113.19             | 28              | 2F          | 1610           | 111.82            | 119 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.90 | PHP 28H075TB  |                    |             |
|         |            | 117.23             | 29              | 2F          | 1610           | 115.86            | 123 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 1.95 | PHP 29H075TB  |                    |             |
|         |            | 121.28             | 30              | 2F          | 1610           | 119.91            | 127 | 14   | 42   | 27.0 | –    | 25 | –   | –   | 2.00 | PHP 30H075TB  |                    |             |

<sup>1)</sup> Mass does not include bushings..

Classical timing pulleys  
H Taper bushed



Type 4F

Type 6F

Type 7F

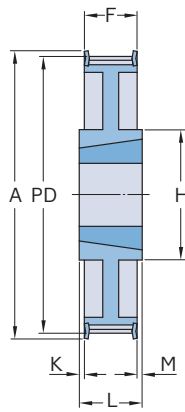
Type 8

Type 9

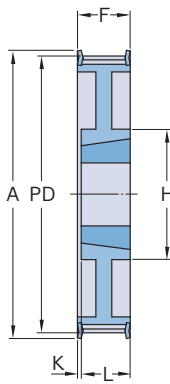
| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions Outer diameter OD | A   | B Min. | Max. | F    | K    | L  | M   | H   | Mass <sup>1)</sup> | Designation   |
|---------|------------|--------------------|-----------------|-------------|----------------|------------------------------|-----|--------|------|------|------|----|-----|-----|--------------------|---------------|
| –       | mm         | –                  | –               | –           | –              | mm                           | –   | –      | –    | –    | –    | –  | –   | –   | kg                 | –             |
| H       | 19.1       | 129.36             | 32              | 14F         | 1610           | 127.99                       | 135 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.09               | PHP 32H075TB  |
|         |            | 133.40             | 33              | 14F         | 1610           | 132.03                       | 142 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.14               | PHP 33H075TB  |
|         |            | 137.45             | 34              | 14F         | 1610           | 136.08                       | 142 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.19               | PHP 34H075TB  |
|         |            | 141.49             | 35              | 14F         | 1610           | 140.12                       | 151 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.24               | PHP 35H075TB  |
|         |            | 145.53             | 36              | 14F         | 1610           | 144.16                       | 151 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.28               | PHP 36H075TB  |
|         |            | 153.62             | 38              | 14F         | 1610           | 152.25                       | 158 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.47               | PHP 38H075TB  |
|         |            | 161.70             | 40              | 14F         | 1610           | 160.33                       | 168 | 14     | 42   | 27.0 | –    | 25 | –   | 92  | 2.66               | PHP 40H075TB  |
|         |            | 177.87             | 44              | 9F          | 2012           | 176.50                       | 184 | 14     | 50   | 27.0 | 2.5  | 32 | 2.5 | 106 | 2.57               | PHP 44H075TB  |
|         |            | 194.04             | 48              | 9F          | 2012           | 192.67                       | 200 | 14     | 50   | 27.0 | 2.5  | 32 | 2.5 | 106 | 2.85               | PHP 48H075TB  |
|         |            | 242.55             | 60              | 9           | 2012           | 241.18                       | –   | 14     | 50   | 27.0 | 2.5  | 32 | 2.5 | 106 | 2.90               | PHP 60H075TB  |
|         |            | 291.06             | 72              | 9           | 2012           | 289.69                       | –   | 14     | 50   | 27.0 | 2.5  | 32 | 2.5 | 112 | 3.00               | PHP 72H075TB  |
|         |            | 339.57             | 84              | 9           | 2012           | 338.20                       | –   | 14     | 50   | 27.0 | 2.5  | 32 | 2.5 | 112 | 3.15               | PHP 84H075TB  |
|         |            | 388.08             | 96              | 9           | 2517           | 386.71                       | –   | 16     | 60   | 27.0 | 9.0  | 45 | 9.0 | 125 | 3.50               | PHP 96H075TB  |
|         |            | 485.10             | 120             | 9           | 2517           | 483.73                       | –   | 16     | 60   | 27.0 | 9.0  | 45 | 9.0 | 125 | 4.25               | PHP 120H075TB |
|         |            | 56.60              | 14              | 4F          | 1108           | 55.23                        | 63  | 9      | 28   | 31.0 | 9.0  | 22 | –   | –   | 0.30               | PHP 14H100TB  |
|         |            | 60.60              | 15              | 4F          | 1108           | 59.23                        | 67  | 9      | 28   | 31.0 | 9.0  | 22 | –   | –   | 0.40               | PHP 15H100TB  |
|         |            | 64.70              | 16              | 4F          | 1108           | 63.33                        | 71  | 9      | 28   | 31.0 | 9.0  | 22 | –   | –   | 0.40               | PHP 16H100TB  |
|         |            | 68.70              | 17              | 4F          | 1108           | 67.33                        | 75  | 9      | 28   | 31.0 | 9.0  | 22 | –   | –   | 0.50               | PHP 17H100TB  |
|         |            | 72.80              | 18              | 4F          | 1210           | 71.43                        | 79  | 11     | 32   | 31.0 | 6.0  | 25 | –   | –   | 0.50               | PHP 18H100TB  |
| H       | 25.4       | 76.80              | 19              | 4F          | 1210           | 75.43                        | 83  | 11     | 32   | 31.0 | 6.0  | 25 | –   | –   | 0.60               | PHP 19H100TB  |
|         |            | 80.80              | 20              | 4F          | 1210           | 79.43                        | 87  | 11     | 32   | 31.0 | 6.0  | 25 | –   | –   | 0.80               | PHP 20H100TB  |
|         |            | 84.90              | 21              | 4F          | 1210           | 83.53                        | 91  | 11     | 32   | 32.0 | 7.0  | 25 | –   | –   | 0.80               | PHP 21H100TB  |
|         |            | 88.90              | 22              | 4F          | 1210           | 87.53                        | 95  | 11     | 32   | 32.0 | 7.0  | 25 | –   | –   | 0.90               | PHP 22H100TB  |
|         |            | 93.00              | 23              | 4F          | 1610           | 91.63                        | 98  | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 0.90               | PHP 23H100TB  |
|         |            | 97.00              | 24              | 4F          | 1610           | 95.63                        | 103 | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 1.00               | PHP 24H100TB  |
|         |            | 101.10             | 25              | 4F          | 1610           | 99.73                        | 107 | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 1.10               | PHP 25H100TB  |
|         |            | 105.10             | 26              | 4F          | 1610           | 103.73                       | 111 | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 1.20               | PHP 26H100TB  |
|         |            | 109.20             | 27              | 4F          | 1610           | 107.83                       | 115 | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 1.40               | PHP 27H100TB  |
|         |            | 113.20             | 28              | 4F          | 1610           | 111.83                       | 119 | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 1.50               | PHP 28H100TB  |
|         |            | 121.30             | 30              | 4F          | 1610           | 119.93                       | 127 | 14     | 42   | 32.0 | 7.0  | 25 | –   | –   | 1.70               | PHP 30H100TB  |
|         |            | 129.40             | 32              | 13F         | 1610           | 128.03                       | 135 | 14     | 42   | 32.0 | 7.0  | 25 | –   | 92  | 1.70               | PHP 32H100TB  |
|         |            | 145.50             | 36              | 13F         | 1610           | 144.13                       | 151 | 14     | 42   | 32.0 | 7.0  | 25 | –   | 92  | 2.30               | PHP 36H100TB  |
|         |            | 161.70             | 40              | 13F         | 1610           | 160.33                       | 168 | 14     | 42   | 32.0 | 7.0  | 25 | –   | 92  | 2.70               | PHP 40H100TB  |
|         |            | 177.90             | 44              | 14F         | 2012           | 176.53                       | 184 | 14     | 50   | 32.0 | 7.0  | 32 | –   | 106 | 3.70               | PHP 44H100TB  |
|         |            | 194.00             | 48              | 14F         | 2012           | 192.63                       | 200 | 14     | 50   | 32.0 | 7.0  | 32 | –   | 106 | 4.70               | PHP 48H100TB  |
|         |            | 242.60             | 60              | 8           | 2012           | 241.23                       | –   | 14     | 50   | 34.0 | 1.0  | 32 | 1.0 | 106 | 7.50               | PHP 60H100TB  |
|         |            | 291.10             | 72              | 8           | 2012           | 289.73                       | –   | 14     | 50   | 34.0 | 1.0  | 32 | 1.0 | 106 | 8.40               | PHP 72H100TB  |
|         |            | 339.60             | 84              | 8           | 2012           | 338.23                       | –   | 14     | 50   | 34.0 | 1.0  | 32 | 1.0 | 106 | 9.00               | PHP 84H100TB  |
| H       | 38.1       | 388.10             | 96              | 9           | 2517           | 386.73                       | –   | 16     | 60   | 34.0 | 5.5  | 45 | 5.5 | 124 | 11.00              | PHP 96H100TB  |
|         |            | 485.10             | 120             | 9           | 2517           | 483.73                       | –   | 16     | 60   | 34.0 | 5.5  | 45 | 5.5 | 124 | 14.00              | PHP 120H100TB |
|         |            | 56.60              | 14              | 4F          | 1108           | 55.23                        | 63  | 9      | 28   | 45.0 | 23.0 | 22 | –   | –   | 0.50               | PHP 14H150TB  |
|         |            | 64.67              | 16              | 4F          | 1108           | 63.30                        | 71  | 9      | 28   | 45.0 | 23.0 | 22 | –   | –   | 0.60               | PHP 16H150TB  |
|         |            | 72.77              | 18              | 4F          | 1210           | 71.40                        | 79  | 11     | 32   | 45.0 | 20.0 | 25 | –   | –   | 0.69               | PHP 18H150TB  |
|         |            | 76.81              | 19              | 4F          | 1210           | 75.44                        | 83  | 11     | 32   | 45.0 | 20.0 | 25 | –   | –   | 0.86               | PHP 19H150TB  |
|         |            | 80.85              | 20              | 4F          | 1210           | 79.48                        | 87  | 11     | 32   | 45.0 | 20.0 | 25 | –   | –   | 0.98               | PHP 20H150TB  |
|         |            | 84.89              | 21              | 4F          | 1210           | 83.52                        | 91  | 11     | 32   | 45.0 | 20.0 | 25 | –   | –   | 0.98               | PHP 21H150TB  |
|         |            | 88.94              | 22              | 4F          | 1210           | 87.57                        | 95  | 11     | 32   | 45.0 | 20.0 | 25 | –   | –   | 1.10               | PHP 22H150TB  |
|         |            | 92.98              | 23              | 4F          | 1610           | 91.61                        | 98  | 14     | 42   | 45.0 | 20.0 | 25 | –   | –   | 1.16               | PHP 23H150TB  |
|         |            | 97.02              | 24              | 4F          | 1610           | 95.65                        | 103 | 14     | 42   | 45.0 | 20.0 | 25 | –   | –   | 1.22               | PHP 24H150TB  |
|         |            | 101.06             | 25              | 4F          | 1610           | 99.69                        | 107 | 14     | 42   | 45.0 | 20.0 | 25 | –   | –   | 1.37               | PHP 25H150TB  |
|         |            | 105.11             | 26              | 4F          | 1610           | 103.74                       | 111 | 14     | 42   | 45.0 | 20.0 | 25 | –   | –   | 1.51               | PHP 26H150TB  |
|         |            | 109.15             | 27              | 4F          | 1610           | 107.78                       | 115 | 14     | 42   | 45.0 | 20.0 | 25 | –   | –   | 1.67               | PHP 27H150TB  |
|         |            | 113.19             | 28              | 4F          | 1610           | 111.82                       | 119 | 14     | 42   | 45.0 | 20.0 | 25 | –   | –   | 1.77               | PHP 28H150TB  |

<sup>1)</sup> Mass does not include bushings..

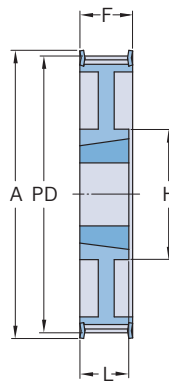
# Classical timing pulleys H Taper bushed



Type 9F



Type 13F

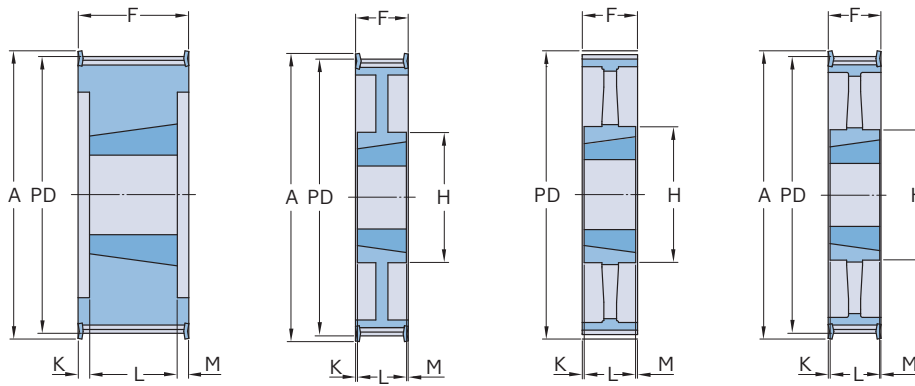


Type 14F

| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions<br>Outer diameter OD | A   | B<br>Min. | Max. | F    | K    | L  | M    | H   | Mass <sup>1)</sup><br>kg | Designation   |
|---------|------------|--------------------|-----------------|-------------|----------------|---------------------------------|-----|-----------|------|------|------|----|------|-----|--------------------------|---------------|
| –       | mm         | –                  | –               | –           | –              | mm                              | –   | –         | –    | –    | –    | –  | –    | –   | –                        | –             |
| H       | 38.1       | 121.28             | 30              | 4F          | 1610           | 119.91                          | 127 | 14        | 42   | 45.0 | 20.0 | 25 | –    | –   | 2.05                     | PHP 30H150TB  |
|         |            | 129.36             | 32              | 13F         | 1610           | 127.99                          | 135 | 14        | 42   | 45.0 | 20.0 | 25 | –    | 92  | 2.07                     | PHP 32H150TB  |
|         |            | 145.53             | 36              | 13F         | 1610           | 144.16                          | 151 | 14        | 42   | 45.0 | 20.0 | 25 | –    | 92  | 2.76                     | PHP 36H150TB  |
|         |            | 161.70             | 40              | 13F         | 1610           | 160.33                          | 168 | 14        | 42   | 45.0 | 20.0 | 25 | –    | 92  | 3.34                     | PHP 40H150TB  |
|         |            | 177.87             | 44              | 13F         | 2012           | 176.50                          | 184 | 14        | 50   | 45.0 | 13.0 | 32 | –    | 106 | 5.19                     | PHP 44H150TB  |
|         |            | 194.34             | 48              | 13F         | 2012           | 192.97                          | 200 | 14        | 50   | 45.0 | 13.0 | 32 | –    | 106 | 5.70                     | PHP 48H150TB  |
|         |            | 242.55             | 60              | 8           | 2012           | 241.18                          | –   | 14        | 50   | 46.0 | 7.0  | 32 | 7.0  | 106 | 6.81                     | PHP 60H150TB  |
|         |            | 291.06             | 72              | 8           | 2012           | 289.69                          | –   | 14        | 50   | 46.0 | 7.0  | 32 | 7.0  | 106 | 7.79                     | PHP 72H150TB  |
|         |            | 339.57             | 84              | 8           | 2012           | 338.20                          | –   | 14        | 50   | 46.0 | 7.0  | 32 | 7.0  | 111 | 9.15                     | PHP 84H150TB  |
|         |            | 388.08             | 96              | 8           | 2517           | 386.71                          | –   | 16        | 60   | 46.0 | 0.5  | 45 | 0.5  | 124 | 13.00                    | PHP 96H150TB  |
|         |            | 485.10             | 120             | 8           | 2517           | 483.73                          | –   | 16        | 60   | 46.0 | 0.5  | 45 | 0.5  | 124 | 16.80                    | PHP 120H150TB |
|         |            | 64.57              | 16              | 4F          | 1108           | 63.20                           | 71  | 9         | 28   | 58.0 | 36.0 | 22 | –    | –   | 0.80                     | PHP 16H200TB  |
|         |            | 72.77              | 18              | 4F          | 1210           | 71.40                           | 79  | 11        | 32   | 58.0 | 33.0 | 25 | –    | –   | 0.91                     | PHP 18H200TB  |
|         |            | 76.81              | 19              | 4F          | 1210           | 75.44                           | 83  | 11        | 32   | 58.0 | 33.0 | 25 | –    | –   | 1.05                     | PHP 19H200TB  |
|         |            | 80.85              | 20              | 4F          | 1610           | 79.48                           | 87  | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 0.92                     | PHP 20H200TB  |
| H       | 50.8       | 84.89              | 21              | 4F          | 1610           | 83.52                           | 91  | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.04                     | PHP 21H200TB  |
|         |            | 88.94              | 22              | 4F          | 1610           | 87.57                           | 95  | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.18                     | PHP 22H200TB  |
|         |            | 92.98              | 23              | 4F          | 1610           | 91.61                           | 98  | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.28                     | PHP 23H200TB  |
|         |            | 97.02              | 24              | 4F          | 1610           | 95.65                           | 103 | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.37                     | PHP 24H200TB  |
|         |            | 101.06             | 25              | 4F          | 1610           | 99.69                           | 107 | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.59                     | PHP 25H200TB  |
|         |            | 105.11             | 26              | 4F          | 1610           | 103.74                          | 111 | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.63                     | PHP 26H200TB  |
|         |            | 109.15             | 27              | 4F          | 1610           | 107.78                          | 115 | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.98                     | PHP 27H200TB  |
|         |            | 113.19             | 28              | 4F          | 1610           | 111.82                          | 119 | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 1.92                     | PHP 28H200TB  |
|         |            | 121.28             | 30              | 4F          | 1610           | 119.91                          | 127 | 14        | 42   | 58.0 | 33.0 | 25 | –    | –   | 2.24                     | PHP 30H200TB  |
|         |            | 129.36             | 32              | 4F          | 2012           | 127.99                          | 135 | 14        | 50   | 58.0 | 26.0 | 32 | –    | –   | 2.87                     | PHP 32H200TB  |
|         |            | 145.53             | 36              | 13F         | 2012           | 144.16                          | 151 | 14        | 50   | 58.0 | 26.0 | 32 | –    | –   | 3.42                     | PHP 36H200TB  |
|         |            | 161.70             | 40              | 13F         | 2012           | 160.33                          | 168 | 14        | 50   | 58.0 | 26.0 | 32 | –    | –   | 4.39                     | PHP 40H200TB  |
|         |            | 177.87             | 44              | 13F         | 2012           | 176.50                          | 184 | 14        | 50   | 58.0 | 26.0 | 32 | –    | –   | 5.89                     | PHP 44H200TB  |
|         |            | 194.04             | 48              | 13F         | 2517           | 192.67                          | 200 | 16        | 60   | 58.0 | 13.0 | 45 | –    | –   | 7.00                     | PHP 48H200TB  |
|         |            | 242.55             | 60              | 8           | 2517           | 241.18                          | –   | 16        | 60   | 60.0 | 7.5  | 45 | 7.5  | –   | 8.88                     | PHP 60H200TB  |
|         |            | 291.06             | 72              | 8           | 2517           | 289.69                          | –   | 16        | 60   | 60.0 | 7.5  | 45 | 7.5  | –   | 9.05                     | PHP 72H200TB  |
|         |            | 339.57             | 84              | 8           | 2517           | 338.20                          | –   | 16        | 60   | 60.0 | 7.5  | 45 | 7.5  | –   | 10.66                    | PHP 84H200TB  |
|         |            | 388.08             | 96              | 8           | 2517           | 386.71                          | –   | 16        | 60   | 60.0 | 7.5  | 45 | 7.5  | –   | 15.28                    | PHP 96H200TB  |
|         |            | 485.10             | 120             | 8           | 2517           | 483.73                          | –   | 16        | 60   | 60.0 | 7.5  | 45 | 7.5  | –   | 20.16                    | PHP 120H200TB |
|         |            | 72.77              | 18              | 6F          | 1215           | 71.40                           | 83  | 11        | 32   | 84.0 | 23.0 | 38 | 23.0 | –   | 1.10                     | PHP 18H300TB  |
|         |            | 80.85              | 20              | 6F          | 1615           | 79.48                           | 87  | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 1.25                     | PHP 20H300TB  |
|         |            | 84.89              | 21              | 6F          | 1615           | 83.52                           | 91  | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 1.56                     | PHP 21H300TB  |
|         |            | 88.94              | 22              | 6F          | 1615           | 87.57                           | 94  | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 1.75                     | PHP 22H300TB  |
|         |            | 92.98              | 23              | 6F          | 1615           | 91.61                           | 98  | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 1.93                     | PHP 23H300TB  |
|         |            | 97.02              | 24              | 6F          | 1615           | 95.65                           | 103 | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 2.14                     | PHP 24H300TB  |
|         |            | 101.06             | 25              | 6F          | 1615           | 99.69                           | 107 | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 2.21                     | PHP 25H300TB  |
|         |            | 105.11             | 26              | 6F          | 1615           | 103.74                          | 111 | 14        | 42   | 84.0 | 23.0 | 38 | 23.0 | –   | 2.65                     | PHP 26H300TB  |
|         |            | 109.15             | 27              | 6F          | 2012           | 107.78                          | 115 | 14        | 50   | 84.0 | 26.0 | 32 | 26.0 | –   | 2.49                     | PHP 27H300TB  |
|         |            | 113.19             | 28              | 6F          | 2012           | 111.82                          | 119 | 14        | 50   | 84.0 | 26.0 | 32 | 26.0 | –   | 2.88                     | PHP 28H300TB  |
|         |            | 121.28             | 30              | 6F          | 2012           | 119.91                          | 127 | 14        | 50   | 84.0 | 26.0 | 32 | 26.0 | –   | 3.44                     | PHP 30H300TB  |
|         |            | 129.36             | 32              | 6F          | 2517           | 127.99                          | 135 | 16        | 60   | 84.0 | 19.5 | 45 | 19.5 | –   | 3.51                     | PHP 32H300TB  |
|         |            | 145.53             | 36              | 6F          | 2517           | 144.16                          | 151 | 16        | 60   | 84.0 | 19.5 | 45 | 19.5 | –   | 4.43                     | PHP 36H300TB  |
|         |            | 161.70             | 40              | 6F          | 2517           | 160.33                          | 168 | 16        | 60   | 84.0 | 19.5 | 45 | 19.5 | –   | 6.10                     | PHP 40H300TB  |
|         |            | 177.87             | 44              | 7F          | 2517           | 176.50                          | 184 | 16        | 60   | 86.0 | 20.5 | 45 | 20.5 | 124 | 7.55                     | PHP 44H300TB  |
|         |            | 194.04             | 48              | 7F          | 2517           | 192.67                          | 200 | 16        | 60   | 86.0 | 20.5 | 45 | 20.5 | 124 | 8.99                     | PHP 48H300TB  |
|         |            | 242.55             | 60              | 8           | 2517           | 241.18                          | –   | 16        | 60   | 86.0 | 20.5 | 45 | 20.5 | 124 | 11.06                    | PHP 60H300TB  |
|         |            | 291.06             | 72              | 8           | 2517           | 289.69                          | –   | 16        | 60   | 86.0 | 20.5 | 45 | 20.5 | 124 | 12.66                    | PHP 72H300TB  |
|         |            | 339.57             | 84              | 8           | 2517           | 338.20                          | –   | 16        | 60   | 86.0 | 20.5 | 45 | 20.5 | 124 | 14.50                    | PHP 84H300TB  |

<sup>1)</sup> Mass does not include bushings..

Classical timing pulleys  
H Taper bushed | XH Taper bushed



Type 6F

Type 7F

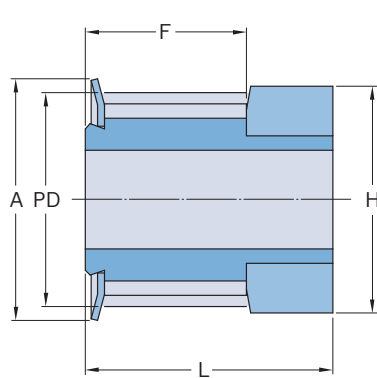
Type 8

Type 8F

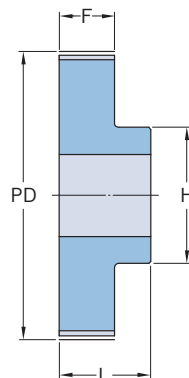
| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Bushing number | Dimensions Outer diameter OD | A   | B Min. | Max. | F    | K   | L  | M   | H   | Mass <sup>1)</sup> | Designation   |
|---------|------------|--------------------|-----------------|-------------|----------------|------------------------------|-----|--------|------|------|-----|----|-----|-----|--------------------|---------------|
| –       | mm         | –                  | –               | –           | –              | mm                           | –   | –      | –    | –    | –   | –  | –   | –   | kg                 | –             |
| H       | 76.2       | 388.08             | 96              | 8           | 3030           | 386.71                       | –   | 35     | 75   | 86.0 | 5.0 | 76 | 5.0 | 155 | 16.20              | PHP 96H300TB  |
|         |            | 485.10             | 120             | 8           | 3030           | 483.73                       | –   | 35     | 75   | 86.0 | 5.0 | 76 | 5.0 | 155 | 20.80              | PHP 120H300TB |
| XH      | 50.8       | 127.34             | 18              | 6F          | 2012           | 124.54                       | 141 | 14     | 50   | 65.1 | –   | 32 | –   | –   | 2.60               | PHP 18XH200TB |
|         |            | 134.41             | 19              | 6F          | 2012           | 131.61                       | 146 | 14     | 50   | 65.1 | –   | 32 | –   | –   | 3.10               | PHP 19XH200TB |
|         |            | 141.49             | 20              | 6F          | 2012           | 138.69                       | 155 | 14     | 50   | 65.1 | –   | 32 | –   | –   | 3.60               | PHP 20XH200TB |
|         |            | 148.56             | 21              | 6F          | 2517           | 145.76                       | 169 | 16     | 60   | 65.1 | –   | 45 | –   | –   | 4.20               | PHP 21XH200TB |
|         |            | 155.64             | 22              | 6F          | 2517           | 152.84                       | 169 | 16     | 60   | 65.1 | –   | 45 | –   | –   | 4.80               | PHP 22XH200TB |
|         |            | 169.79             | 24              | 6F          | 2517           | 166.99                       | 183 | 16     | 60   | 65.1 | –   | 45 | –   | –   | 6.10               | PHP 24XH200TB |
|         |            | 176.86             | 25              | 6F          | 2517           | 174.06                       | 198 | 16     | 60   | 65.1 | –   | 45 | –   | –   | 6.80               | PHP 25XH200TB |
|         |            | 183.93             | 26              | 6F          | 2517           | 181.13                       | 198 | 16     | 60   | 65.1 | –   | 45 | –   | –   | 7.40               | PHP 26XH200TB |
|         |            | 191.01             | 27              | 7F          | 2517           | 188.21                       | 212 | 16     | 60   | 65.1 | –   | 45 | –   | 134 | 8.20               | PHP 27XH200TB |
|         |            | 198.09             | 28              | 7F          | 2517           | 195.29                       | 212 | 16     | 60   | 65.1 | –   | 45 | –   | 134 | 9.00               | PHP 28XH200TB |
|         |            | 212.23             | 30              | 7F          | 2517           | 209.43                       | 226 | 16     | 60   | 65.1 | –   | 45 | –   | 134 | 9.60               | PHP 30XH200TB |
|         |            | 226.38             | 32              | 7F          | 2517           | 223.58                       | 240 | 16     | 60   | 65.1 | –   | 45 | –   | 134 | 9.80               | PHP 32XH200TB |
|         |            | 254.64             | 36              | 8F          | 2517           | 251.84                       | 267 | 16     | 60   | 65.1 | –   | 45 | –   | 134 | 11.60              | PHP 36XH200TB |
|         |            | 282.98             | 40              | 8           | 2517           | 280.18                       | –   | 16     | 60   | 65.1 | –   | 45 | –   | 134 | 13.30              | PHP 40XH200TB |
|         |            | 339.57             | 48              | 8           | 3020           | 336.77                       | –   | 25     | 75   | 65.1 | –   | 51 | –   | 165 | 19.00              | PHP 48XH200TB |
|         |            | 424.47             | 60              | 8           | 3020           | 421.67                       | –   | 25     | 75   | 65.1 | –   | 51 | –   | 165 | 22.00              | PHP 60XH200TB |
| XH      | 76.2       | 127.34             | 18              | 6F          | 2012           | 124.54                       | 141 | 14     | 50   | 92.1 | –   | 45 | –   | –   | 3.70               | PHP 18XH300TB |
|         |            | 134.41             | 19              | 6F          | 2517           | 131.61                       | 146 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 4.20               | PHP 19XH300TB |
|         |            | 141.49             | 20              | 6F          | 2517           | 138.69                       | 155 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 4.70               | PHP 20XH300TB |
|         |            | 148.56             | 21              | 6F          | 2517           | 145.76                       | 169 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 5.40               | PHP 21XH300TB |
|         |            | 155.64             | 22              | 6F          | 2517           | 152.84                       | 169 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 6.00               | PHP 22XH300TB |
|         |            | 169.79             | 24              | 6F          | 2517           | 166.99                       | 183 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 7.60               | PHP 24XH300TB |
|         |            | 176.86             | 25              | 6F          | 2517           | 174.06                       | 198 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 8.70               | PHP 25XH300TB |
|         |            | 183.93             | 26              | 6F          | 2517           | 181.13                       | 198 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 9.80               | PHP 26XH300TB |
|         |            | 191.01             | 27              | 6F          | 2517           | 188.21                       | 212 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 10.70              | PHP 27XH300TB |
|         |            | 198.09             | 28              | 7F          | 2517           | 195.29                       | 212 | 16     | 60   | 92.1 | –   | 45 | –   | 134 | 11.60              | PHP 28XH300TB |
|         |            | 212.23             | 30              | 7F          | 2517           | 209.43                       | 226 | 16     | 60   | 92.1 | –   | 45 | –   | 134 | 11.90              | PHP 30XH300TB |
|         |            | 226.38             | 32              | 7F          | 3020           | 223.58                       | 240 | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 13.80              | PHP 32XH300TB |
|         |            | 254.64             | 36              | 7F          | 3020           | 251.84                       | 267 | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 16.70              | PHP 36XH300TB |
|         |            | 282.98             | 40              | 8           | 3020           | 280.18                       | –   | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 19.50              | PHP 40XH300TB |
|         |            | 339.57             | 48              | 8           | 3020           | 336.77                       | –   | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 27.00              | PHP 48XH300TB |
|         |            | 424.47             | 60              | 8           | 3535           | 421.67                       | –   | 35     | 90   | 92.1 | –   | 89 | –   | 184 | 28.00              | PHP 60XH300TB |
| XH      | 101.6      | 127.34             | 18              | 6F          | 2012           | 124.54                       | 141 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 5.00               | PHP 18XH400TB |
|         |            | 134.41             | 19              | 6F          | 2517           | 131.61                       | 146 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 5.50               | PHP 19XH400TB |
|         |            | 141.49             | 20              | 6F          | 2517           | 138.69                       | 155 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 6.00               | PHP 20XH400TB |
|         |            | 148.56             | 21              | 6F          | 2517           | 145.76                       | 169 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 6.60               | PHP 21XH400TB |
|         |            | 155.64             | 22              | 6F          | 2517           | 152.84                       | 169 | 16     | 60   | 92.1 | –   | 45 | –   | –   | 7.20               | PHP 22XH400TB |
|         |            | 169.79             | 24              | 6F          | 3020           | 166.99                       | 183 | 25     | 75   | 92.1 | –   | 51 | –   | –   | 8.40               | PHP 24XH400TB |
|         |            | 176.86             | 25              | 6F          | 3020           | 174.06                       | 198 | 25     | 75   | 92.1 | –   | 51 | –   | –   | 9.40               | PHP 25XH400TB |
|         |            | 183.93             | 26              | 6F          | 3020           | 181.13                       | 198 | 25     | 75   | 92.1 | –   | 51 | –   | –   | 10.30              | PHP 26XH400TB |
|         |            | 191.01             | 27              | 6F          | 3020           | 188.21                       | 212 | 25     | 75   | 92.1 | –   | 51 | –   | –   | 11.30              | PHP 27XH400TB |
|         |            | 198.09             | 28              | 6F          | 3020           | 195.29                       | 212 | 25     | 75   | 92.1 | –   | 51 | –   | –   | 12.30              | PHP 28XH400TB |
|         |            | 212.23             | 30              | 6F          | 3020           | 209.43                       | 226 | 25     | 75   | 92.1 | –   | 51 | –   | –   | 14.30              | PHP 30XH400TB |
|         |            | 226.38             | 32              | 7F          | 3020           | 223.58                       | 240 | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 19.90              | PHP 32XH400TB |
|         |            | 254.64             | 36              | 7F          | 3020           | 251.84                       | 267 | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 22.30              | PHP 36XH400TB |
|         |            | 282.98             | 40              | 8           | 3020           | 280.18                       | –   | 25     | 75   | 92.1 | –   | 51 | –   | 165 | 24.60              | PHP 40XH400TB |
|         |            | 339.57             | 48              | 8           | 3535           | 336.77                       | –   | 35     | 90   | 92.1 | –   | 89 | –   | 184 | 30.00              | PHP 48XH400TB |
|         |            | 424.47             | 60              | 8           | 3535           | 421.67                       | –   | 35     | 90   | 92.1 | –   | 89 | –   | 184 | 40.00              | PHP 60XH400TB |

<sup>1)</sup> Mass does not include bushings..

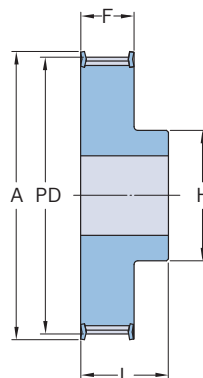
**Metric timing pulleys**  
2.5 mm pitch type T pilot bore (RSB)



Type 0F



Type 1

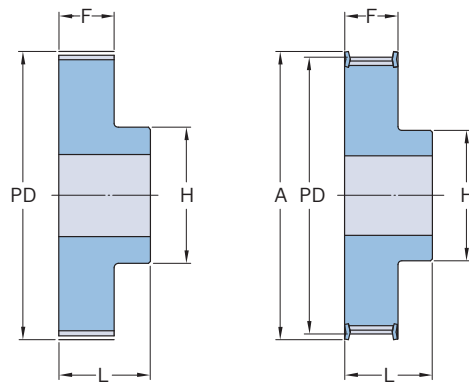


Type 1F

| Section | Belt width | Pitch diameter<br>PCD | Number of teeth | Pulley type | Dimensions           |    |           |      |    |    |    | Mass  | Designation       |
|---------|------------|-----------------------|-----------------|-------------|----------------------|----|-----------|------|----|----|----|-------|-------------------|
|         |            |                       |                 |             | Outer diameter<br>OD | A  | B<br>Min. | Max. | H  | F  | L  |       |                   |
| –       | mm         | –                     | –               | –           | mm                   |    |           |      |    |    |    | kg    | –                 |
| 2.5     | 4 and 6    | 7.96                  | 10              | 0F          | 7.45                 | 10 | –         | 3    | 10 | 10 | 16 | 0.001 | PHP 16-T2.5-10RSB |
|         |            | 8.75                  | 11              | 0F          | 8.25                 | 12 | –         | 3    | 11 | 10 | 16 | 0.002 | PHP 16-T2.5-11RSB |
|         |            | 9.54                  | 12              | 0F          | 9.00                 | 13 | –         | 4    | 13 | 10 | 16 | 0.003 | PHP 16-T2.5-12RSB |
|         |            | 10.35                 | 13              | 0F          | 9.95                 | 14 | –         | 4    | 14 | 10 | 16 | 0.004 | PHP 16-T2.5-13RSB |
|         |            | 11.14                 | 14              | 0F          | 10.60                | 15 | –         | 5    | 15 | 10 | 16 | 0.004 | PHP 16-T2.5-14RSB |
|         |            | 11.94                 | 15              | 0F          | 11.40                | 15 | –         | 6    | 15 | 10 | 16 | 0.010 | PHP 16-T2.5-15RSB |
|         |            | 12.73                 | 16              | 0F          | 12.20                | 16 | –         | 7    | 16 | 10 | 16 | 0.005 | PHP 16-T2.5-16RSB |
|         |            | 13.53                 | 17              | 0F          | 13.00                | 17 | 4         | 7    | 16 | 10 | 16 | 0.006 | PHP 16-T2.5-17RSB |
|         |            | 14.32                 | 18              | 1F          | 13.80                | 18 | 4         | 7    | 10 | 10 | 16 | 0.006 | PHP 16-T2.5-18RSB |
|         |            | 15.12                 | 19              | 1F          | 14.60                | 18 | 4         | 7    | 10 | 10 | 16 | 0.007 | PHP 16-T2.5-19RSB |
|         |            | 15.92                 | 20              | 1F          | 15.40                | 20 | 4         | 7    | 11 | 10 | 16 | 0.008 | PHP 16-T2.5-20RSB |
|         |            | 16.71                 | 21              | 1F          | 16.20                | 20 | 4         | 7    | 11 | 10 | 16 | 0.009 | PHP 16-T2.5-21RSB |
|         |            | 17.51                 | 22              | 1F          | 17.00                | 23 | 4         | 7    | 10 | 10 | 16 | 0.009 | PHP 16-T2.5-22RSB |
|         |            | 18.30                 | 23              | 1F          | 17.80                | 23 | 4         | 8    | 12 | 10 | 16 | 0.010 | PHP 16-T2.5-23RSB |
|         |            | 19.10                 | 24              | 1F          | 18.55                | 23 | 4         | 8    | 12 | 10 | 16 | 0.012 | PHP 16-T2.5-24RSB |
|         |            | 19.89                 | 25              | 1F          | 19.35                | 23 | 4         | 9    | 13 | 10 | 16 | 0.013 | PHP 16-T2.5-25RSB |
|         |            | 20.69                 | 26              | 1F          | 20.15                | 25 | 4         | 9    | 14 | 10 | 16 | 0.014 | PHP 16-T2.5-26RSB |
|         |            | 21.49                 | 27              | 1F          | 20.90                | 25 | 4         | 9    | 14 | 10 | 16 | 0.015 | PHP 16-T2.5-27RSB |
|         |            | 22.28                 | 28              | 1F          | 21.75                | 25 | 4         | 9    | 14 | 10 | 16 | 0.016 | PHP 16-T2.5-28RSB |
|         |            | 23.87                 | 30              | 1F          | 23.35                | 28 | 6         | 10   | 16 | 10 | 16 | 0.018 | PHP 16-T2.5-30RSB |
|         |            | 25.46                 | 32              | 1F          | 24.95                | 32 | 6         | 10   | 16 | 10 | 16 | 0.020 | PHP 16-T2.5-32RSB |
|         |            | 27.85                 | 35              | 1F          | 27.35                | 36 | 6         | 10   | 18 | 10 | 16 | 0.024 | PHP 16-T2.5-35RSB |
|         |            | 28.65                 | 36              | 1F          | 28.10                | 36 | 6         | 13   | 20 | 10 | 16 | 0.026 | PHP 16-T2.5-36RSB |
|         |            | 30.24                 | 38              | 1F          | 30.70                | 38 | 6         | 13   | 22 | 10 | 16 | 0.029 | PHP 16-T2.5-38RSB |
|         |            | 31.83                 | 40              | 1F          | 31.30                | 38 | 6         | 13   | 22 | 10 | 16 | 0.032 | PHP 16-T2.5-40RSB |
|         |            | 33.42                 | 42              | 1F          | 32.90                | 42 | 6         | 15   | 24 | 10 | 16 | 0.036 | PHP 16-T2.5-42RSB |
|         |            | 35.01                 | 44              | 1           | 34.50                | –  | 6         | 15   | 24 | 10 | 16 | 0.040 | PHP 16-T2.5-44RSB |
|         |            | 35.81                 | 45              | 1           | 35.30                | –  | 6         | 17   | 26 | 10 | 16 | 0.044 | PHP 16-T2.5-45RSB |
|         |            | 38.20                 | 48              | 1           | 37.70                | –  | 6         | 17   | 26 | 10 | 16 | 0.048 | PHP 16-T2.5-48RSB |
|         |            | 42.97                 | 54              | 1           | 42.45                | –  | 8         | 19   | 30 | 10 | 16 | 0.056 | PHP 16-T2.5-54RSB |
|         |            | 45.36                 | 57              | 1           | 44.85                | –  | 8         | 19   | 32 | 10 | 16 | 0.064 | PHP 16-T2.5-57RSB |
|         |            | 47.75                 | 60              | 1           | 47.25                | –  | 8         | 22   | 34 | 10 | 16 | 0.073 | PHP 16-T2.5-60RSB |
| 2.5     | 10         | 7.96                  | 10              | 0F          | 7.45                 | 10 | 3         | 3    | 10 | 14 | 20 | 0.010 | PHP 20-T2.5-10RSB |
|         |            | 8.75                  | 11              | 0F          | 8.25                 | 12 | 3         | 3    | 11 | 14 | 20 | 0.010 | PHP 20-T2.5-11RSB |
|         |            | 9.55                  | 12              | 0F          | 9.00                 | 13 | 3         | 4    | 13 | 14 | 20 | 0.020 | PHP 20-T2.5-12RSB |
|         |            | 10.35                 | 13              | 0F          | 9.95                 | 14 | 3         | 4    | 14 | 14 | 20 | 0.020 | PHP 20-T2.5-13RSB |
|         |            | 11.14                 | 14              | 0F          | 10.60                | 14 | 3         | 5    | 15 | 14 | 20 | 0.020 | PHP 20-T2.5-14RSB |
|         |            | 11.94                 | 15              | 0F          | 11.40                | 15 | 3         | 6    | 15 | 14 | 20 | 0.020 | PHP 20-T2.5-15RSB |
|         |            | 12.73                 | 16              | 0F          | 12.20                | 16 | 4         | 7    | 16 | 14 | 20 | 0.030 | PHP 20-T2.5-16RSB |
|         |            | 13.53                 | 17              | 1F          | 13.00                | 17 | 4         | 7    | 16 | 14 | 20 | 0.020 | PHP 20-T2.5-17RSB |
|         |            | 14.32                 | 18              | 1F          | 13.80                | 17 | 4         | 7    | 10 | 14 | 20 | 0.030 | PHP 20-T2.5-18RSB |
|         |            | 15.12                 | 19              | 1F          | 14.60                | 18 | 4         | 7    | 10 | 14 | 20 | 0.040 | PHP 20-T2.5-19RSB |
|         |            | 15.92                 | 20              | 1F          | 15.40                | 19 | 4         | 7    | 11 | 14 | 20 | 0.040 | PHP 20-T2.5-20RSB |
|         |            | 16.71                 | 21              | 1F          | 16.20                | 20 | 4         | 7    | 11 | 14 | 20 | 0.040 | PHP 20-T2.5-21RSB |
|         |            | 17.60                 | 22              | 1F          | 17.00                | 22 | 4         | 7    | 11 | 14 | 20 | 0.050 | PHP 20-T2.5-22RSB |
|         |            | 18.30                 | 23              | 1F          | 17.80                | 22 | 4         | 8    | 12 | 14 | 20 | 0.050 | PHP 20-T2.5-23RSB |
|         |            | 19.10                 | 24              | 1F          | 18.55                | 22 | 4         | 8    | 12 | 14 | 20 | 0.050 | PHP 20-T2.5-24RSB |
|         |            | 19.89                 | 25              | 1F          | 19.35                | 24 | 4         | 9    | 13 | 14 | 20 | 0.060 | PHP 20-T2.5-25RSB |
|         |            | 20.75                 | 26              | 1F          | 20.15                | 26 | 4         | 9    | 14 | 14 | 20 | 0.060 | PHP 20-T2.5-26RSB |
|         |            | 21.49                 | 27              | 1F          | 20.90                | 26 | 4         | 9    | 14 | 14 | 20 | 0.060 | PHP 20-T2.5-27RSB |
|         |            | 22.35                 | 28              | 1F          | 21.75                | 26 | 4         | 9    | 14 | 14 | 20 | 0.070 | PHP 20-T2.5-28RSB |
|         |            | 23.87                 | 30              | 1F          | 23.35                | 28 | 6         | 10   | 16 | 14 | 20 | 0.080 | PHP 20-T2.5-30RSB |
|         |            | 25.47                 | 32              | 1F          | 24.95                | 28 | 6         | 10   | 16 | 14 | 20 | 0.090 | PHP 20-T2.5-32RSB |

## Metric timing pulleys

2.5 mm pitch type T pilot bore (RSB) | 5 mm pitch type T pilot bore (RSB)



Type 1

Type 1F

| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions<br>Outer diameter<br>OD | A  | B<br>Min. | Max. | H  | F  | L  | Mass  | Designation       |
|---------|------------|-----------------------|--------------------|----------------|------------------------------------|----|-----------|------|----|----|----|-------|-------------------|
| –       | mm         | –                     | –                  | –              | mm                                 | –  | –         | –    | –  | –  | –  | kg    | –                 |
| 2.5     | 10         | 27.85                 | 35                 | 1F             | 27.35                              | 32 | 6         | 10   | 18 | 14 | 20 | 0.110 | PHP 20-T2.5-35RSB |
|         |            | 28.65                 | 36                 | 1F             | 28.10                              | 32 | 6         | 13   | 20 | 14 | 20 | 0.110 | PHP 20-T2.5-36RSB |
|         |            | 30.24                 | 38                 | 1F             | 29.70                              | 34 | 6         | 13   | 22 | 14 | 20 | 0.130 | PHP 20-T2.5-38RSB |
|         |            | 31.83                 | 40                 | 1F             | 31.30                              | 35 | 6         | 13   | 22 | 14 | 20 | 0.140 | PHP 20-T2.5-40RSB |
|         |            | 33.42                 | 42                 | 1              | 32.90                              | –  | 6         | 15   | 24 | 14 | 20 | 0.180 | PHP 20-T2.5-42RSB |
|         |            | 35.01                 | 44                 | 1              | 34.50                              | –  | 6         | 15   | 24 | 14 | 20 | 0.190 | PHP 20-T2.5-44RSB |
|         |            | 35.81                 | 45                 | 1              | 35.30                              | –  | 6         | 17   | 26 | 14 | 20 | 0.190 | PHP 20-T2.5-45RSB |
|         |            | 38.20                 | 48                 | 1              | 37.70                              | –  | 6         | 17   | 26 | 14 | 20 | 0.200 | PHP 20-T2.5-48RSB |
|         |            | 42.97                 | 54                 | 1              | 42.45                              | –  | 8         | 19   | 30 | 14 | 20 | 0.250 | PHP 20-T2.5-54RSB |
|         |            | 45.36                 | 57                 | 1              | 44.85                              | –  | 8         | 19   | 32 | 14 | 20 | 0.280 | PHP 20-T2.5-57RSB |
|         |            | 47.75                 | 60                 | 1              | 47.25                              | –  | 8         | 22   | 34 | 14 | 20 | 0.310 | PHP 20-T2.5-60RSB |
|         |            | 15.92                 | 10                 | 1F             | 15.05                              | 20 | 4         | 5    | 8  | 15 | 21 | 0.010 | PHP 21-T5-10RSB   |
|         |            | 17.51                 | 11                 | 1F             | 16.65                              | 22 | 4         | 6    | 10 | 15 | 21 | 0.010 | PHP 21-T5-11RSB   |
|         |            | 19.10                 | 12                 | 1F             | 18.25                              | 23 | 4         | 7    | 12 | 15 | 21 | 0.020 | PHP 21-T5-12RSB   |
|         |            | 20.69                 | 13                 | 1F             | 19.85                              | 25 | 6         | 8    | 13 | 15 | 21 | 0.020 | PHP 21-T5-13RSB   |
| 5       | 10         | 22.29                 | 14                 | 1F             | 21.45                              | 26 | 6         | 9    | 14 | 15 | 21 | 0.020 | PHP 21-T5-14RSB   |
|         |            | 23.88                 | 15                 | 1F             | 23.05                              | 28 | 6         | 10   | 16 | 15 | 21 | 0.020 | PHP 21-T5-15RSB   |
|         |            | 25.47                 | 16                 | 1F             | 24.60                              | 30 | 6         | 11   | 18 | 15 | 21 | 0.030 | PHP 21-T5-16RSB   |
|         |            | 27.06                 | 17                 | 1F             | 26.20                              | 32 | 6         | 12   | 19 | 15 | 21 | 0.030 | PHP 21-T5-17RSB   |
|         |            | 28.65                 | 18                 | 1F             | 27.80                              | 32 | 6         | 13   | 20 | 15 | 21 | 0.030 | PHP 21-T5-18RSB   |
|         |            | 30.25                 | 19                 | 1F             | 29.40                              | 36 | 6         | 14   | 22 | 15 | 21 | 0.040 | PHP 21-T5-19RSB   |
|         |            | 31.83                 | 20                 | 1F             | 31.00                              | 36 | 6         | 15   | 24 | 15 | 21 | 0.040 | PHP 21-T5-20RSB   |
|         |            | 33.42                 | 21                 | 1F             | 32.55                              | 38 | 6         | 15   | 24 | 15 | 21 | 0.040 | PHP 21-T5-21RSB   |
|         |            | 35.01                 | 22                 | 1F             | 34.15                              | 38 | 6         | 15   | 24 | 15 | 21 | 0.050 | PHP 21-T5-22RSB   |
|         |            | 36.61                 | 23                 | 1F             | 35.75                              | 42 | 6         | 16   | 25 | 15 | 21 | 0.050 | PHP 21-T5-23RSB   |
|         |            | 38.21                 | 24                 | 1F             | 37.40                              | 44 | 6         | 17   | 26 | 15 | 21 | 0.050 | PHP 21-T5-24RSB   |
|         |            | 39.80                 | 25                 | 1F             | 38.95                              | 44 | 6         | 17   | 26 | 15 | 21 | 0.060 | PHP 21-T5-25RSB   |
|         |            | 41.45                 | 26                 | 1F             | 40.60                              | 44 | 6         | 17   | 26 | 15 | 21 | 0.060 | PHP 21-T5-26RSB   |
|         |            | 42.98                 | 27                 | 1F             | 42.20                              | 48 | 8         | 19   | 30 | 15 | 21 | 0.060 | PHP 21-T5-27RSB   |
|         |            | 44.56                 | 28                 | 1F             | 43.75                              | 48 | 8         | 20   | 32 | 15 | 21 | 0.060 | PHP 21-T5-28RSB   |
|         |            | 47.76                 | 30                 | 1F             | 46.95                              | 51 | 8         | 22   | 34 | 15 | 21 | 0.080 | PHP 21-T5-30RSB   |
|         |            | 50.94                 | 32                 | 1F             | 50.10                              | 54 | 8         | 24   | 38 | 15 | 21 | 0.090 | PHP 21-T5-32RSB   |
|         |            | 55.70                 | 35                 | 1F             | 54.85                              | 59 | 8         | 24   | 38 | 15 | 21 | 0.100 | PHP 21-T5-35RSB   |
|         |            | 57.31                 | 36                 | 1F             | 56.45                              | 63 | 8         | 24   | 38 | 15 | 21 | 0.110 | PHP 21-T5-36RSB   |
|         |            | 60.48                 | 38                 | 1F             | 59.65                              | 66 | 8         | 26   | 40 | 15 | 21 | 0.130 | PHP 21-T5-38RSB   |
|         |            | 63.66                 | 40                 | 1F             | 62.85                              | 66 | 8         | 26   | 40 | 15 | 21 | 0.140 | PHP 21-T5-40RSB   |
|         |            | 66.84                 | 42                 | 1F             | 66.00                              | 71 | 8         | 26   | 40 | 15 | 21 | 0.180 | PHP 21-T5-42RSB   |
|         |            | 70.20                 | 44                 | 1              | 69.35                              | –  | 8         | 29   | 45 | 15 | 21 | 0.190 | PHP 21-T5-44RSB   |
|         |            | 71.62                 | 45                 | 1              | 70.80                              | –  | 8         | 31   | 45 | 15 | 21 | 0.190 | PHP 21-T5-45RSB   |
|         |            | 76.39                 | 48                 | 1              | 75.55                              | –  | 8         | 32   | 50 | 15 | 21 | 0.200 | PHP 21-T5-48RSB   |
|         |            | 85.94                 | 54                 | 1              | 85.10                              | –  | 8         | 35   | 55 | 15 | 21 | 0.240 | PHP 21-T5-54RSB   |
|         |            | 90.72                 | 57                 | 1              | 89.90                              | –  | 8         | 38   | 60 | 15 | 21 | 0.270 | PHP 21-T5-57RSB   |
|         |            | 95.49                 | 60                 | 1              | 94.65                              | –  | 8         | 42   | 65 | 15 | 21 | 0.310 | PHP 21-T5-60RSB   |
|         | 16         | 15.92                 | 10                 | 1F             | 15.05                              | 20 | 4         | 5    | 8  | 21 | 27 | 0.020 | PHP 27-T5-10RSB   |
|         |            | 17.51                 | 11                 | 1F             | 16.65                              | 22 | 4         | 6    | 10 | 21 | 27 | 0.020 | PHP 27-T5-11RSB   |
|         |            | 19.10                 | 12                 | 1F             | 18.25                              | 23 | 4         | 7    | 12 | 21 | 27 | 0.020 | PHP 27-T5-12RSB   |
|         |            | 20.69                 | 13                 | 1F             | 19.85                              | 25 | 6         | 8    | 13 | 21 | 27 | 0.020 | PHP 27-T5-13RSB   |
|         |            | 22.29                 | 14                 | 1F             | 21.45                              | 26 | 6         | 9    | 14 | 21 | 27 | 0.030 | PHP 27-T5-14RSB   |
|         |            | 23.88                 | 15                 | 1F             | 23.05                              | 28 | 6         | 10   | 16 | 21 | 27 | 0.030 | PHP 27-T5-15RSB   |
|         |            | 25.47                 | 16                 | 1F             | 24.60                              | 32 | 6         | 11   | 18 | 21 | 27 | 0.040 | PHP 27-T5-16RSB   |
|         |            | 27.06                 | 17                 | 1F             | 26.20                              | 32 | 6         | 12   | 19 | 21 | 27 | 0.040 | PHP 27-T5-17RSB   |
|         |            | 28.65                 | 18                 | 1F             | 27.80                              | 33 | 6         | 13   | 20 | 21 | 27 | 0.050 | PHP 27-T5-18RSB   |
|         |            | 30.25                 | 19                 | 1F             | 29.40                              | 36 | 6         | 14   | 22 | 21 | 27 | 0.050 | PHP 27-T5-19RSB   |

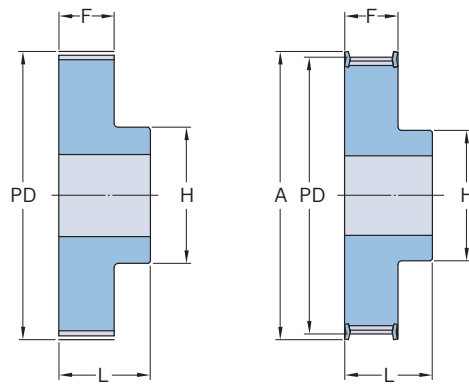
## Metric timing pulleys

5 mm pitch type T pilot bore (RSB) | 10 mm pitch type T pilot bore (RSB)

| Section | Belt width | Pitch diameter<br>PCD | Number of teeth | Pulley type | Dimensions           |     |           |      |    |    |    | Mass  | Designation      |       |                 |
|---------|------------|-----------------------|-----------------|-------------|----------------------|-----|-----------|------|----|----|----|-------|------------------|-------|-----------------|
|         |            |                       |                 |             | Outer diameter<br>OD | A   | B<br>Min. | Max. | H  | F  | L  |       |                  |       |                 |
| –       | mm         |                       | –               | –           | mm                   |     |           |      |    |    |    | kg    | –                |       |                 |
| 5       | 16         | 31.83                 | 20              | 1F          | 31.00                | 36  | 6         | 15   | 24 | 21 | 27 | 0.050 | PHP 27-T5-20RSB  |       |                 |
|         |            | 33.42                 | 21              | 1F          | 32.55                | 38  | 6         | 15   | 24 | 21 | 27 | 0.050 | PHP 27-T5-21RSB  |       |                 |
|         |            | 35.01                 | 22              | 1F          | 34.15                | 38  | 6         | 15   | 24 | 21 | 27 | 0.050 | PHP 27-T5-22RSB  |       |                 |
|         |            | 36.61                 | 23              | 1F          | 35.75                | 42  | 6         | 16   | 25 | 21 | 27 | 0.060 | PHP 27-T5-23RSB  |       |                 |
|         |            | 38.21                 | 24              | 1F          | 37.40                | 42  | 6         | 17   | 26 | 21 | 27 | 0.080 | PHP 27-T5-24RSB  |       |                 |
|         |            | 39.80                 | 25              | 1F          | 38.95                | 44  | 6         | 17   | 26 | 21 | 27 | 0.080 | PHP 27-T5-25RSB  |       |                 |
|         |            | 41.45                 | 26              | 1F          | 40.60                | 44  | 6         | 17   | 26 | 21 | 27 | 0.090 | PHP 27-T5-26RSB  |       |                 |
|         |            | 42.98                 | 27              | 1F          | 42.20                | 48  | 8         | 19   | 30 | 21 | 27 | 0.090 | PHP 27-T5-27RSB  |       |                 |
|         |            | 44.56                 | 28              | 1F          | 43.75                | 48  | 8         | 20   | 32 | 21 | 27 | 0.090 | PHP 27-T5-28RSB  |       |                 |
|         |            | 47.76                 | 30              | 1F          | 46.95                | 51  | 8         | 22   | 34 | 21 | 27 | 0.110 | PHP 27-T5-30RSB  |       |                 |
|         |            | 50.94                 | 32              | 1F          | 50.10                | 54  | 8         | 24   | 38 | 21 | 27 | 0.120 | PHP 27-T5-32RSB  |       |                 |
|         |            | 55.70                 | 35              | 1F          | 54.85                | 59  | 8         | 24   | 38 | 21 | 27 | 0.140 | PHP 27-T5-35RSB  |       |                 |
|         |            | 57.31                 | 36              | 1F          | 56.45                | 63  | 8         | 24   | 38 | 21 | 27 | 0.160 | PHP 27-T5-36RSB  |       |                 |
|         |            | 60.48                 | 38              | 1F          | 59.65                | 66  | 8         | 26   | 40 | 21 | 27 | 0.180 | PHP 27-T5-38RSB  |       |                 |
|         |            | 63.66                 | 40              | 1F          | 62.85                | 66  | 8         | 26   | 40 | 21 | 27 | 0.190 | PHP 27-T5-40RSB  |       |                 |
|         |            | 66.84                 | 42              | 1F          | 66.00                | 71  | 8         | 26   | 40 | 21 | 27 | 0.210 | PHP 27-T5-42RSB  |       |                 |
|         |            | 70.20                 | 44              | 1           | 69.35                | –   | 8         | 29   | 45 | 21 | 27 | 0.230 | PHP 27-T5-44RSB  |       |                 |
|         |            | 71.62                 | 45              | 1           | 70.80                | –   | 8         | 29   | 45 | 21 | 27 | 0.260 | PHP 27-T5-45RSB  |       |                 |
|         |            | 76.39                 | 48              | 1           | 75.55                | –   | 8         | 32   | 50 | 21 | 27 | 0.280 | PHP 27-T5-48RSB  |       |                 |
|         |            | 85.94                 | 54              | 1           | 85.10                | –   | 8         | 35   | 55 | 21 | 27 | 0.330 | PHP 27-T5-54RSB  |       |                 |
|         |            | 90.72                 | 57              | 1           | 89.90                | –   | 8         | 38   | 60 | 21 | 27 | 0.380 | PHP 27-T5-57RSB  |       |                 |
|         |            | 95.49                 | 60              | 1           | 94.65                | –   | 8         | 42   | 65 | 21 | 27 | 0.430 | PHP 27-T5-60RSB  |       |                 |
|         |            | 5                     | 25              | 15.92       | 10                   | 1F  | 15.05     | 20   | 4  | 5  | 8  | 30    | 36               | 0.020 | PHP 36-T5-10RSB |
|         |            |                       |                 | 17.51       | 11                   | 1F  | 16.65     | 22   | 4  | 6  | 10 | 30    | 36               | 0.030 | PHP 36-T5-11RSB |
|         |            |                       |                 | 19.10       | 12                   | 1F  | 18.25     | 23   | 4  | 7  | 12 | 30    | 36               | 0.030 | PHP 36-T5-12RSB |
|         |            |                       |                 | 20.69       | 13                   | 1F  | 19.85     | 25   | 6  | 8  | 13 | 30    | 36               | 0.030 | PHP 36-T5-13RSB |
|         |            |                       |                 | 22.29       | 14                   | 1F  | 21.45     | 26   | 6  | 9  | 14 | 30    | 36               | 0.040 | PHP 36-T5-14RSB |
|         |            |                       |                 | 23.88       | 15                   | 1F  | 23.05     | 28   | 6  | 10 | 16 | 30    | 36               | 0.040 | PHP 36-T5-15RSB |
|         |            |                       |                 | 25.47       | 16                   | 1F  | 24.60     | 32   | 6  | 11 | 18 | 30    | 36               | 0.050 | PHP 36-T5-16RSB |
|         |            |                       |                 | 27.06       | 17                   | 1F  | 26.20     | 32   | 6  | 12 | 19 | 30    | 36               | 0.060 | PHP 36-T5-17RSB |
|         |            |                       |                 | 28.65       | 18                   | 1F  | 27.80     | 32   | 6  | 13 | 20 | 30    | 36               | 0.060 | PHP 36-T5-18RSB |
|         |            |                       |                 | 30.25       | 19                   | 1F  | 29.40     | 36   | 6  | 14 | 22 | 30    | 36               | 0.070 | PHP 36-T5-19RSB |
| 31.83   | 20         |                       |                 | 1F          | 31.00                | 36  | 6         | 15   | 24 | 30 | 36 | 0.080 | PHP 36-T5-20RSB  |       |                 |
| 33.42   | 21         |                       |                 | 1F          | 32.55                | 38  | 6         | 15   | 24 | 30 | 36 | 0.080 | PHP 36-T5-21RSB  |       |                 |
| 35.01   | 22         |                       |                 | 1F          | 34.15                | 38  | 6         | 15   | 24 | 30 | 36 | 0.080 | PHP 36-T5-22RSB  |       |                 |
| 36.61   | 23         |                       |                 | 1F          | 35.75                | 42  | 6         | 15   | 25 | 30 | 36 | 0.090 | PHP 36-T5-23RSB  |       |                 |
| 38.21   | 24         |                       |                 | 1F          | 37.40                | 42  | 6         | 17   | 26 | 30 | 36 | 0.110 | PHP 36-T5-24RSB  |       |                 |
| 39.80   | 25         |                       |                 | 1F          | 38.95                | 44  | 6         | 17   | 26 | 30 | 36 | 0.120 | PHP 36-T5-25RSB  |       |                 |
| 41.45   | 26         |                       |                 | 1F          | 40.60                | 44  | 6         | 17   | 26 | 30 | 36 | 0.120 | PHP 36-T5-26RSB  |       |                 |
| 42.98   | 27         |                       |                 | 1F          | 42.20                | 48  | 8         | 19   | 30 | 30 | 36 | 0.130 | PHP 36-T5-27RSB  |       |                 |
| 44.56   | 28         |                       |                 | 1F          | 43.75                | 48  | 8         | 20   | 32 | 30 | 36 | 0.130 | PHP 36-T5-28RSB  |       |                 |
| 47.76   | 30         |                       |                 | 1F          | 46.95                | 51  | 8         | 22   | 34 | 30 | 36 | 0.150 | PHP 36-T5-30RSB  |       |                 |
| 50.94   | 32         |                       |                 | 1F          | 50.10                | 54  | 8         | 24   | 38 | 30 | 36 | 0.180 | PHP 36-T5-32RSB  |       |                 |
| 55.70   | 35         |                       |                 | 1F          | 54.85                | 59  | 8         | 24   | 38 | 30 | 36 | 0.210 | PHP 36-T5-35RSB  |       |                 |
| 57.31   | 36         |                       |                 | 1F          | 56.45                | 63  | 8         | 24   | 38 | 30 | 36 | 0.230 | PHP 36-T5-36RSB  |       |                 |
| 60.48   | 38         |                       |                 | 1F          | 59.65                | 66  | 8         | 26   | 40 | 30 | 36 | 0.250 | PHP 36-T5-38RSB  |       |                 |
| 63.66   | 40         |                       |                 | 1F          | 62.85                | 66  | 8         | 26   | 40 | 30 | 36 | 0.280 | PHP 36-T5-40RSB  |       |                 |
| 66.84   | 42         |                       |                 | 1F          | 66.00                | 71  | 8         | 26   | 40 | 30 | 36 | 0.280 | PHP 36-T5-42RSB  |       |                 |
| 70.20   | 44         |                       |                 | 1           | 69.35                | –   | 8         | 29   | 45 | 30 | 36 | 0.320 | PHP 36-T5-44RSB  |       |                 |
| 71.62   | 45         |                       |                 | 1           | 70.80                | –   | 8         | 29   | 45 | 30 | 36 | 0.360 | PHP 36-T5-45RSB  |       |                 |
| 76.39   | 48         |                       |                 | 1           | 75.55                | –   | 8         | 32   | 50 | 30 | 36 | 0.400 | PHP 36-T5-48RSB  |       |                 |
| 85.94   | 54         |                       |                 | 1           | 85.10                | –   | 8         | 35   | 55 | 30 | 36 | 0.470 | PHP 36-T5-54RSB  |       |                 |
| 90.72   | 57         |                       |                 | 1           | 89.90                | –   | 8         | 38   | 60 | 30 | 36 | 0.540 | PHP 36-T5-57RSB  |       |                 |
| 95.49   | 60         |                       |                 | 1           | 94.65                | –   | 8         | 42   | 65 | 30 | 36 | 0.610 | PHP 36-T5-60RSB  |       |                 |
| 10      | 16         | 38.20                 | 12              | 1F          | 36.35                | 42  | 6         | 18   | 28 | 21 | 31 | 0.080 | PHP 31-T10-12RSB |       |                 |
|         |            | 41.38                 | 13              | 1F          | 39.55                | 44  | 6         | 19   | 32 | 21 | 31 | 0.090 | PHP 31-T10-13RSB |       |                 |
|         |            | 44.56                 | 14              | 1F          | 42.70                | 48  | 8         | 21   | 32 | 21 | 31 | 0.100 | PHP 31-T10-14RSB |       |                 |
|         |            | 47.75                 | 15              | 1F          | 45.90                | 51  | 8         | 21   | 32 | 21 | 31 | 0.120 | PHP 31-T10-15RSB |       |                 |
|         |            | 50.93                 | 16              | 1F          | 49.10                | 54  | 8         | 23   | 35 | 21 | 31 | 0.130 | PHP 31-T10-16RSB |       |                 |
|         |            | 54.11                 | 17              | 1F          | 52.25                | 58  | 8         | 24   | 38 | 21 | 31 | 0.150 | PHP 31-T10-17RSB |       |                 |
|         |            | 57.29                 | 18              | 1F          | 55.45                | 60  | 8         | 26   | 40 | 21 | 31 | 0.170 | PHP 31-T10-18RSB |       |                 |
|         |            | 60.48                 | 19              | 1F          | 58.65                | 66  | 8         | 28   | 44 | 21 | 31 | 0.180 | PHP 31-T10-19RSB |       |                 |
|         |            | 63.66                 | 20              | 1F          | 61.80                | 66  | 8         | 30   | 46 | 21 | 31 | 0.210 | PHP 31-T10-20RSB |       |                 |
|         |            | 66.85                 | 21              | 1F          | 65.00                | 71  | 8         | 36   | 48 | 21 | 31 | 0.230 | PHP 31-T10-21RSB |       |                 |
|         |            | 70.03                 | 22              | 1F          | 68.20                | 75  | 8         | 34   | 52 | 21 | 31 | 0.250 | PHP 31-T10-22RSB |       |                 |
|         |            | 73.21                 | 23              | 1F          | 71.35                | 77  | 8         | 36   | 55 | 21 | 31 | 0.270 | PHP 31-T10-23RSB |       |                 |
|         |            | 76.39                 | 24              | 1F          | 74.55                | 83  | 8         | 38   | 58 | 21 | 31 | 0.290 | PHP 31-T10-24RSB |       |                 |
|         |            | 79.58                 | 25              | 1F          | 77.75                | 83  | 8         | 39   | 60 | 21 | 31 | 0.310 | PHP 31-T10-25RSB |       |                 |
|         |            | 82.76                 | 26              | 1F          | 80.90                | 87  | 8         | 39   | 60 | 21 | 31 | 0.360 | PHP 31-T10-26RSB |       |                 |
|         |            | 85.95                 | 27              | 1F          | 84.10                | 91  | 8         | 39   | 60 | 21 | 31 | 0.360 | PHP 31-T10-27RSB |       |                 |
|         |            | 89.25                 | 28              | 1F          | 87.25                | 93  | 8         | 39   | 60 | 21 | 31 | 0.400 | PHP 31-T10-28RSB |       |                 |
|         |            | 95.49                 | 30              | 1F          | 93.65                | 99  | 8         | 39   | 60 | 21 | 31 | 0.440 | PHP 31-T10-30RSB |       |                 |
|         |            | 101.86                | 32              | 1F          | 100.00               | 106 | 10        | 42   | 65 | 21 | 31 | 0.490 | PHP 31-T10-32RSB |       |                 |

# Metric timing pulleys

## 10 mm pitch type T pilot bore (RSB)



Type 1

Type 1F

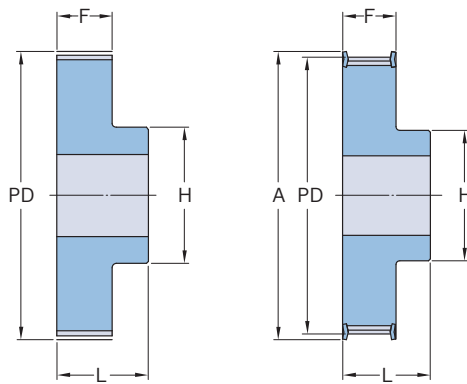
| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions<br>Outer diameter<br>OD | A   | B<br>Min. | Max. | H   | F  | L  | Mass  | Designation      |
|---------|------------|-----------------------|--------------------|----------------|------------------------------------|-----|-----------|------|-----|----|----|-------|------------------|
| –       | mm         | –                     | –                  | –              | mm                                 | –   | –         | –    | –   | –  | –  | kg    | –                |
| 10      | 16         | 111.41                | 35                 | 1F             | 109.55                             | 115 | 10        | 45   | 70  | 21 | 31 | 0.560 | PHP 31-T10-35RSB |
|         |            | 114.59                | 36                 | 1F             | 112.75                             | 119 | 10        | 45   | 70  | 21 | 31 | 0.620 | PHP 31-T10-36RSB |
|         |            | 120.96                | 38                 | 1F             | 119.10                             | 125 | 10        | 48   | 75  | 21 | 31 | 0.690 | PHP 31-T10-38RSB |
|         |            | 127.32                | 40                 | 1F             | 125.45                             | 131 | 10        | 52   | 80  | 21 | 31 | 0.770 | PHP 31-T10-40RSB |
|         |            | 133.69                | 42                 | 1              | 131.85                             | –   | 10        | 52   | 80  | 21 | 31 | 0.880 | PHP 31-T10-42RSB |
|         |            | 140.06                | 44                 | 1              | 138.20                             | –   | 10        | 57   | 88  | 21 | 31 | 0.990 | PHP 31-T10-44RSB |
|         |            | 143.24                | 45                 | 1              | 141.40                             | –   | 16        | 57   | 90  | 21 | 31 | 1.040 | PHP 31-T10-45RSB |
|         |            | 152.78                | 48                 | 1              | 150.95                             | –   | 16        | 62   | 95  | 21 | 31 | 1.090 | PHP 31-T10-48RSB |
|         |            | 171.89                | 54                 | 1              | 170.05                             | –   | 16        | 66   | 100 | 21 | 31 | 1.300 | PHP 31-T10-54RSB |
|         |            | 181.44                | 57                 | 1              | 179.60                             | –   | 16        | 66   | 110 | 21 | 31 | 1.500 | PHP 31-T10-57RSB |
| 10      | 25         | 190.98                | 60                 | 1              | 189.15                             | –   | 16        | 72   | 110 | 21 | 31 | 1.710 | PHP 31-T10-60RSB |
|         |            | 38.20                 | 12                 | 1F             | 36.35                              | 42  | 6         | 18   | 28  | 30 | 40 | 0.100 | PHP 40-T10-12RSB |
|         |            | 41.38                 | 13                 | 1F             | 39.55                              | 44  | 6         | 19   | 30  | 30 | 40 | 0.120 | PHP 40-T10-13RSB |
|         |            | 44.56                 | 14                 | 1F             | 42.70                              | 48  | 8         | 21   | 32  | 30 | 40 | 0.130 | PHP 40-T10-14RSB |
|         |            | 47.75                 | 15                 | 1F             | 45.90                              | 51  | 8         | 21   | 32  | 30 | 40 | 0.150 | PHP 40-T10-15RSB |
|         |            | 50.93                 | 16                 | 1F             | 49.10                              | 54  | 8         | 23   | 35  | 30 | 40 | 0.180 | PHP 40-T10-16RSB |
|         |            | 54.11                 | 17                 | 1F             | 52.25                              | 58  | 8         | 24   | 37  | 30 | 40 | 0.200 | PHP 40-T10-17RSB |
|         |            | 57.29                 | 18                 | 1F             | 55.45                              | 60  | 8         | 26   | 40  | 30 | 40 | 0.220 | PHP 40-T10-18RSB |
|         |            | 60.48                 | 19                 | 1F             | 58.65                              | 66  | 8         | 28   | 44  | 30 | 40 | 0.250 | PHP 40-T10-19RSB |
|         |            | 63.66                 | 20                 | 1F             | 61.80                              | 66  | 8         | 30   | 46  | 30 | 40 | 0.280 | PHP 40-T10-20RSB |
|         |            | 66.85                 | 21                 | 1F             | 65.00                              | 71  | 8         | 32   | 49  | 30 | 40 | 0.300 | PHP 40-T10-21RSB |
|         |            | 70.03                 | 22                 | 1F             | 68.20                              | 75  | 8         | 34   | 52  | 30 | 40 | 0.340 | PHP 40-T10-22RSB |
|         |            | 73.21                 | 23                 | 1F             | 71.35                              | 77  | 8         | 36   | 55  | 30 | 40 | 0.360 | PHP 40-T10-23RSB |
|         |            | 76.39                 | 24                 | 1F             | 74.55                              | 83  | 8         | 38   | 58  | 30 | 40 | 0.390 | PHP 40-T10-24RSB |
|         |            | 79.58                 | 25                 | 1F             | 77.75                              | 83  | 8         | 39   | 60  | 30 | 40 | 0.420 | PHP 40-T10-25RSB |
|         |            | 82.76                 | 26                 | 1F             | 80.90                              | 87  | 8         | 39   | 60  | 30 | 40 | 0.480 | PHP 40-T10-26RSB |
|         |            | 85.95                 | 27                 | 1F             | 84.10                              | 91  | 8         | 39   | 60  | 30 | 40 | 0.540 | PHP 40-T10-27RSB |
|         |            | 89.25                 | 28                 | 1F             | 87.25                              | 93  | 8         | 39   | 60  | 30 | 40 | 0.540 | PHP 40-T10-28RSB |
|         |            | 95.49                 | 30                 | 1F             | 93.65                              | 99  | 8         | 39   | 60  | 30 | 40 | 0.640 | PHP 40-T10-30RSB |
|         |            | 101.86                | 32                 | 1F             | 100.00                             | 106 | 10        | 42   | 65  | 30 | 40 | 0.690 | PHP 40-T10-32RSB |
| 10      | 32         | 111.41                | 35                 | 1F             | 109.55                             | 115 | 10        | 45   | 70  | 30 | 40 | 0.780 | PHP 40-T10-35RSB |
|         |            | 114.59                | 36                 | 1F             | 112.75                             | 119 | 10        | 45   | 70  | 30 | 40 | 0.870 | PHP 40-T10-36RSB |
|         |            | 120.96                | 38                 | 1F             | 119.10                             | 125 | 10        | 48   | 75  | 30 | 40 | 0.970 | PHP 40-T10-38RSB |
|         |            | 127.32                | 40                 | 1F             | 125.45                             | 131 | 10        | 52   | 80  | 30 | 40 | 1.070 | PHP 40-T10-40RSB |
|         |            | 133.69                | 42                 | 1              | 131.85                             | –   | 10        | 52   | 80  | 30 | 40 | 1.210 | PHP 40-T10-42RSB |
|         |            | 140.06                | 44                 | 1              | 138.20                             | –   | 10        | 57   | 88  | 30 | 40 | 1.350 | PHP 40-T10-44RSB |
|         |            | 143.24                | 45                 | 1              | 141.40                             | –   | 16        | 59   | 90  | 30 | 40 | 1.430 | PHP 40-T10-45RSB |
|         |            | 152.78                | 48                 | 1              | 150.95                             | –   | 16        | 62   | 95  | 30 | 40 | 1.520 | PHP 40-T10-48RSB |
|         |            | 171.89                | 54                 | 1              | 170.05                             | –   | 16        | 65   | 100 | 30 | 40 | 1.790 | PHP 40-T10-54RSB |
|         |            | 181.44                | 57                 | 1              | 179.60                             | –   | 16        | 72   | 110 | 30 | 40 | 2.060 | PHP 40-T10-57RSB |
|         |            | 190.98                | 60                 | 1              | 189.15                             | –   | 16        | 72   | 110 | 30 | 40 | 2.340 | PHP 40-T10-60RSB |
|         |            | 57.30                 | 18                 | 1F             | 55.45                              | 60  | 10        | 26   | 40  | 37 | 47 | 0.250 | PHP 47-T10-18RSB |
|         |            | 60.48                 | 19                 | 1F             | 58.65                              | 66  | 10        | 28   | 44  | 37 | 47 | 0.290 | PHP 47-T10-19RSB |
|         |            | 63.66                 | 20                 | 1F             | 61.80                              | 66  | 12        | 30   | 46  | 37 | 47 | 0.320 | PHP 47-T10-20RSB |
|         |            | 66.85                 | 21                 | 1F             | 65.00                              | 71  | 12        | 32   | 49  | 37 | 47 | 0.360 | PHP 47-T10-21RSB |
|         |            | 70.03                 | 22                 | 1F             | 68.20                              | 75  | 12        | 34   | 52  | 37 | 47 | 0.390 | PHP 47-T10-22RSB |
|         |            | 73.21                 | 23                 | 1F             | 71.35                              | 77  | 12        | 36   | 55  | 37 | 47 | 0.430 | PHP 47-T10-23RSB |
|         |            | 76.39                 | 24                 | 1F             | 74.55                              | 83  | 12        | 38   | 58  | 37 | 47 | 0.480 | PHP 47-T10-24RSB |
|         |            | 79.58                 | 25                 | 1F             | 77.75                              | 83  | 12        | 39   | 60  | 37 | 47 | 0.530 | PHP 47-T10-25RSB |
|         |            | 82.76                 | 26                 | 1F             | 80.90                              | 87  | 12        | 39   | 60  | 37 | 47 | 0.560 | PHP 47-T10-26RSB |
|         |            | 85.94                 | 27                 | 1F             | 84.10                              | 91  | 12        | 39   | 60  | 37 | 47 | 0.600 | PHP 47-T10-27RSB |
| 10      | 32         | 89.13                 | 28                 | 1F             | 87.25                              | 93  | 12        | 39   | 60  | 37 | 47 | 0.640 | PHP 47-T10-28RSB |
|         |            | 95.49                 | 30                 | 1F             | 93.65                              | 99  | 12        | 39   | 60  | 37 | 47 | 0.740 | PHP 47-T10-30RSB |

**Metric timing pulleys**  
10 mm pitch type T pilot bore (RSB)

| Section | Belt width | Pitch diameter PCD | Number of teeth | Pulley type | Dimensions        |     |        |      |     |    |    | Mass  | Designation      |
|---------|------------|--------------------|-----------------|-------------|-------------------|-----|--------|------|-----|----|----|-------|------------------|
|         |            |                    |                 |             | Outer diameter OD | A   | B Min. | Max. | H   | F  | L  |       |                  |
| –       | mm         |                    | –               | –           | mm                |     |        |      |     |    |    | kg    | –                |
| 10      | 32         | 101.86             | 32              | 1F          | 100.00            | 106 | 12     | 42   | 65  | 37 | 47 | 0.840 | PHP 47-T10-32RSB |
|         |            | 111.41             | 35              | 1F          | 109.55            | 115 | 16     | 45   | 70  | 37 | 47 | 0.960 | PHP 47-T10-35RSB |
|         |            | 114.59             | 36              | 1F          | 112.75            | 119 | 16     | 45   | 70  | 37 | 47 | 1.080 | PHP 47-T10-36RSB |
|         |            | 120.96             | 38              | 1F          | 119.10            | 125 | 16     | 48   | 75  | 37 | 47 | 1.200 | PHP 47-T10-38RSB |
|         |            | 127.32             | 40              | 1F          | 125.45            | 131 | 16     | 52   | 80  | 37 | 47 | 1.320 | PHP 47-T10-40RSB |
|         |            | 133.69             | 42              | 1           | 131.85            | –   | 16     | 52   | 80  | 37 | 47 | 1.460 | PHP 47-T10-42RSB |
|         |            | 140.06             | 44              | 1           | 138.20            | –   | 16     | 57   | 88  | 37 | 47 | 1.610 | PHP 47-T10-44RSB |
|         |            | 143.24             | 45              | 1           | 141.40            | –   | 16     | 58   | 90  | 37 | 47 | 1.770 | PHP 47-T10-45RSB |
|         |            | 152.79             | 48              | 1           | 150.95            | –   | 16     | 62   | 95  | 37 | 47 | 1.930 | PHP 47-T10-48RSB |
|         |            | 171.89             | 54              | 1           | 170.05            | –   | 16     | 65   | 100 | 37 | 47 | 2.290 | PHP 47-T10-54RSB |
|         |            | 181.44             | 57              | 1           | 179.60            | –   | 16     | 72   | 110 | 37 | 47 | 2.650 | PHP 47-T10-57RSB |
|         |            | 190.99             | 60              | 1           | 189.15            | –   | 16     | 72   | 110 | 37 | 47 | 3.000 | PHP 47-T10-60RSB |
| 10      | 50         | 57.30              | 18              | 1F          | 55.45             | 60  | 10     | 26   | 40  | 56 | 66 | 0.420 | PHP 66-T10-18RSB |
|         |            | 60.48              | 19              | 1F          | 58.65             | 66  | 10     | 28   | 44  | 56 | 66 | 0.470 | PHP 66-T10-19RSB |
|         |            | 63.66              | 20              | 1F          | 61.80             | 66  | 12     | 30   | 46  | 56 | 66 | 0.520 | PHP 66-T10-20RSB |
|         |            | 66.85              | 21              | 1F          | 65.00             | 71  | 12     | 32   | 49  | 56 | 66 | 0.550 | PHP 66-T10-21RSB |
|         |            | 70.03              | 22              | 1F          | 68.20             | 75  | 12     | 34   | 52  | 56 | 66 | 0.570 | PHP 66-T10-22RSB |
|         |            | 73.21              | 23              | 1F          | 71.35             | 77  | 12     | 36   | 55  | 56 | 66 | 0.650 | PHP 66-T10-23RSB |
|         |            | 76.39              | 24              | 1F          | 74.55             | 83  | 12     | 38   | 58  | 56 | 66 | 0.740 | PHP 66-T10-24RSB |
|         |            | 79.58              | 25              | 1F          | 77.75             | 83  | 12     | 39   | 60  | 56 | 66 | 0.770 | PHP 66-T10-25RSB |
|         |            | 82.76              | 26              | 1F          | 80.90             | 87  | 12     | 39   | 60  | 56 | 66 | 0.820 | PHP 66-T10-26RSB |
|         |            | 85.94              | 27              | 1F          | 84.10             | 91  | 12     | 39   | 60  | 56 | 66 | 0.950 | PHP 66-T10-27RSB |
|         |            | 89.13              | 28              | 1F          | 87.25             | 93  | 12     | 39   | 60  | 56 | 66 | 0.960 | PHP 66-T10-28RSB |
|         |            | 95.49              | 30              | 1F          | 93.65             | 99  | 12     | 39   | 60  | 56 | 66 | 1.170 | PHP 66-T10-30RSB |
|         |            | 101.86             | 32              | 1F          | 100.00            | 106 | 12     | 42   | 65  | 56 | 66 | 1.300 | PHP 66-T10-32RSB |
|         |            | 111.41             | 35              | 1F          | 109.55            | 115 | 16     | 45   | 70  | 56 | 66 | 1.470 | PHP 66-T10-35RSB |
|         |            | 114.59             | 36              | 1F          | 112.75            | 119 | 16     | 45   | 70  | 56 | 66 | 1.640 | PHP 66-T10-36RSB |
|         |            | 120.96             | 38              | 1F          | 119.10            | 125 | 16     | 48   | 75  | 56 | 66 | 1.820 | PHP 66-T10-38RSB |
|         |            | 127.32             | 40              | 1F          | 125.45            | 131 | 16     | 52   | 80  | 56 | 66 | 2.000 | PHP 66-T10-40RSB |
|         |            | 133.69             | 42              | 1           | 131.85            | –   | 16     | 57   | 80  | 56 | 66 | 2.180 | PHP 66-T10-42RSB |
|         |            | 140.06             | 44              | 1           | 138.20            | –   | 16     | 52   | 88  | 56 | 66 | 2.360 | PHP 66-T10-44RSB |
|         |            | 143.24             | 45              | 1           | 141.40            | –   | 16     | 58   | 90  | 56 | 66 | 2.590 | PHP 66-T10-45RSB |
|         |            | 152.79             | 48              | 1           | 150.95            | –   | 16     | 62   | 95  | 56 | 66 | 2.830 | PHP 66-T10-48RSB |
|         |            | 171.89             | 54              | 1           | 170.05            | –   | 16     | 65   | 100 | 56 | 66 | 3.340 | PHP 66-T10-54RSB |
|         |            | 181.44             | 57              | 1           | 179.60            | –   | 16     | 72   | 110 | 56 | 66 | 3.850 | PHP 66-T10-57RSB |
|         |            | 190.99             | 60              | 1           | 189.15            | –   | 16     | 72   | 110 | 56 | 66 | 4.370 | PHP 66-T10-60RSB |

# Metric timing pulleys

## 5 mm pitch type AT pilot bore (RSB)



Type 1

Type 1F

| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions           |    |           |      |    |    |    | Mass | Designation      |
|---------|------------|-----------------------|--------------------|----------------|----------------------|----|-----------|------|----|----|----|------|------------------|
|         |            |                       |                    |                | Outer diameter<br>OD | A  | B<br>Min. | Max. | H  | F  | L  |      |                  |
| –       | mm         | –                     | –                  | –              | mm                   |    |           |      |    |    |    | kg   | –                |
| 5       | 10         | 15.92                 | 10                 | 1F             | 14.65                | 20 | 4         | 5    | 8  | 15 | 21 | 0.01 | PHP 21-AT5-10RSB |
|         |            | 19.10                 | 12                 | 1F             | 17.85                | 23 | 4         | 7    | 12 | 15 | 21 | 0.02 | PHP 21-AT5-12RSB |
|         |            | 20.69                 | 13                 | 1F             | 19.45                | 25 | 6         | 8    | 13 | 15 | 21 | 0.02 | PHP 21-AT5-13RSB |
|         |            | 22.29                 | 14                 | 1F             | 21.05                | 26 | 6         | 9    | 14 | 15 | 21 | 0.02 | PHP 21-AT5-14RSB |
|         |            | 23.88                 | 15                 | 1F             | 22.65                | 28 | 6         | 10   | 16 | 15 | 21 | 0.02 | PHP 21-AT5-15RSB |
|         |            | 25.47                 | 16                 | 1F             | 24.20                | 32 | 6         | 11   | 18 | 15 | 21 | 0.03 | PHP 21-AT5-16RSB |
|         |            | 27.06                 | 17                 | 1F             | 25.80                | 32 | 6         | 12   | 19 | 15 | 21 | 0.03 | PHP 21-AT5-17RSB |
|         |            | 28.65                 | 18                 | 1F             | 27.40                | 32 | 6         | 13   | 20 | 15 | 21 | 0.03 | PHP 21-AT5-18RSB |
|         |            | 30.25                 | 19                 | 1F             | 29.00                | 36 | 6         | 14   | 22 | 15 | 21 | 0.04 | PHP 21-AT5-19RSB |
|         |            | 31.83                 | 20                 | 1F             | 30.60                | 36 | 6         | 15   | 23 | 15 | 21 | 0.04 | PHP 21-AT5-20RSB |
|         |            | 33.42                 | 21                 | 1F             | 32.20                | 38 | 6         | 15   | 24 | 15 | 21 | 0.04 | PHP 21-AT5-21RSB |
|         |            | 35.02                 | 22                 | 1F             | 33.85                | 38 | 6         | 15   | 24 | 15 | 21 | 0.05 | PHP 21-AT5-22RSB |
|         |            | 36.61                 | 23                 | 1F             | 35.40                | 42 | 6         | 17   | 25 | 15 | 21 | 0.05 | PHP 21-AT5-23RSB |
|         |            | 38.21                 | 24                 | 1F             | 37.00                | 44 | 6         | 17   | 26 | 15 | 21 | 0.05 | PHP 21-AT5-24RSB |
|         |            | 39.80                 | 25                 | 1F             | 38.60                | 44 | 6         | 17   | 26 | 15 | 21 | 0.06 | PHP 21-AT5-25RSB |
|         |            | 41.38                 | 26                 | 1F             | 40.20                | 44 | 6         | 17   | 26 | 15 | 21 | 0.06 | PHP 21-AT5-26RSB |
|         |            | 42.98                 | 27                 | 1F             | 41.80                | 48 | 8         | 19   | 30 | 15 | 21 | 0.06 | PHP 21-AT5-27RSB |
|         |            | 44.56                 | 28                 | 1F             | 43.35                | 48 | 8         | 20   | 32 | 15 | 21 | 0.07 | PHP 21-AT5-28RSB |
|         |            | 47.76                 | 30                 | 1F             | 46.55                | 51 | 8         | 22   | 34 | 15 | 21 | 0.08 | PHP 21-AT5-30RSB |
|         |            | 50.94                 | 32                 | 1F             | 49.70                | 54 | 8         | 24   | 38 | 15 | 21 | 0.09 | PHP 21-AT5-32RSB |
|         |            | 57.31                 | 36                 | 1F             | 56.05                | 63 | 8         | 24   | 38 | 15 | 21 | 0.11 | PHP 21-AT5-36RSB |
|         |            | 60.48                 | 38                 | 1F             | 59.25                | 66 | 8         | 26   | 40 | 15 | 21 | 0.13 | PHP 21-AT5-38RSB |
|         |            | 63.66                 | 40                 | 1F             | 62.45                | 66 | 8         | 26   | 40 | 15 | 21 | 0.14 | PHP 21-AT5-40RSB |
|         |            | 66.74                 | 42                 | 1F             | 65.60                | 71 | 8         | 26   | 40 | 15 | 21 | 0.18 | PHP 21-AT5-42RSB |
|         |            | 70.05                 | 44                 | 1              | 68.80                | –  | 8         | 29   | 45 | 15 | 21 | 0.19 | PHP 21-AT5-44RSB |
|         |            | 71.62                 | 45                 | 1              | 70.35                | –  | 8         | 29   | 45 | 15 | 21 | 0.19 | PHP 21-AT5-45RSB |
|         |            | 76.42                 | 48                 | 1              | 75.15                | –  | 8         | 32   | 50 | 15 | 21 | 0.20 | PHP 21-AT5-48RSB |
|         |            | 95.52                 | 60                 | 1              | 94.25                | –  | 8         | 37   | 65 | 15 | 21 | 0.31 | PHP 21-AT5-60RSB |
|         |            | 114.62                | 72                 | 1              | 113.15               | –  | 10        | 42   | 80 | 15 | 21 | 0.41 | PHP 21-AT5-72RSB |
| 5       | 16         | 15.92                 | 10                 | 1F             | 14.65                | 20 | 4         | 5    | 8  | 21 | 27 | 0.02 | PHP 27-AT5-10RSB |
|         |            | 19.10                 | 12                 | 1F             | 17.85                | 23 | 4         | 7    | 12 | 21 | 27 | 0.02 | PHP 27-AT5-12RSB |
|         |            | 20.69                 | 13                 | 1F             | 19.45                | 25 | 6         | 8    | 13 | 21 | 27 | 0.02 | PHP 27-AT5-13RSB |
|         |            | 22.29                 | 14                 | 1F             | 21.05                | 26 | 6         | 9    | 14 | 21 | 27 | 0.03 | PHP 27-AT5-14RSB |
|         |            | 23.88                 | 15                 | 1F             | 22.65                | 28 | 6         | 10   | 16 | 21 | 27 | 0.03 | PHP 27-AT5-15RSB |
|         |            | 25.47                 | 16                 | 1F             | 24.20                | 32 | 6         | 11   | 18 | 21 | 27 | 0.04 | PHP 27-AT5-16RSB |
|         |            | 27.06                 | 17                 | 1F             | 25.80                | 32 | 6         | 12   | 19 | 21 | 27 | 0.04 | PHP 27-AT5-17RSB |
|         |            | 28.65                 | 18                 | 1F             | 27.40                | 32 | 6         | 13   | 20 | 21 | 27 | 0.04 | PHP 27-AT5-18RSB |
|         |            | 30.25                 | 19                 | 1F             | 29.00                | 36 | 6         | 14   | 22 | 21 | 27 | 0.05 | PHP 27-AT5-19RSB |
|         |            | 31.83                 | 20                 | 1F             | 30.60                | 36 | 6         | 15   | 23 | 21 | 27 | 0.05 | PHP 27-AT5-20RSB |
|         |            | 33.42                 | 21                 | 1F             | 32.20                | 38 | 6         | 15   | 24 | 21 | 27 | 0.05 | PHP 27-AT5-21RSB |
|         |            | 35.02                 | 22                 | 1F             | 33.85                | 38 | 6         | 15   | 24 | 21 | 27 | 0.05 | PHP 27-AT5-22RSB |
|         |            | 36.61                 | 23                 | 1F             | 35.40                | 42 | 6         | 17   | 25 | 21 | 27 | 0.07 | PHP 27-AT5-23RSB |
|         |            | 38.21                 | 24                 | 1F             | 37.00                | 44 | 6         | 17   | 26 | 21 | 27 | 0.08 | PHP 27-AT5-24RSB |
|         |            | 39.80                 | 25                 | 1F             | 38.60                | 44 | 6         | 17   | 26 | 21 | 27 | 0.08 | PHP 27-AT5-25RSB |
|         |            | 41.38                 | 26                 | 1F             | 40.20                | 44 | 6         | 17   | 26 | 21 | 27 | 0.09 | PHP 27-AT5-26RSB |
|         |            | 42.98                 | 27                 | 1F             | 41.80                | 48 | 8         | 19   | 30 | 21 | 27 | 0.09 | PHP 27-AT5-27RSB |
|         |            | 44.56                 | 28                 | 1F             | 43.35                | 48 | 8         | 20   | 32 | 21 | 27 | 0.09 | PHP 27-AT5-28RSB |
|         |            | 47.76                 | 30                 | 1F             | 46.55                | 51 | 8         | 22   | 34 | 21 | 27 | 0.11 | PHP 27-AT5-30RSB |
|         |            | 50.94                 | 32                 | 1F             | 49.70                | 54 | 8         | 24   | 38 | 21 | 27 | 0.12 | PHP 27-AT5-32RSB |
|         |            | 57.31                 | 36                 | 1F             | 56.05                | 63 | 8         | 24   | 38 | 21 | 27 | 0.16 | PHP 27-AT5-36RSB |
|         |            | 60.48                 | 38                 | 1F             | 59.25                | 66 | 8         | 26   | 40 | 21 | 27 | 0.18 | PHP 27-AT5-38RSB |
|         |            | 63.66                 | 40                 | 1F             | 62.45                | 66 | 8         | 26   | 40 | 21 | 27 | 0.19 | PHP 27-AT5-40RSB |
|         |            | 66.74                 | 42                 | 1F             | 65.60                | 71 | 8         | 26   | 40 | 21 | 27 | 0.21 | PHP 27-AT5-42RSB |
|         |            | 70.05                 | 44                 | 1              | 68.80                | –  | 8         | 29   | 45 | 21 | 27 | 0.23 | PHP 27-AT5-44RSB |

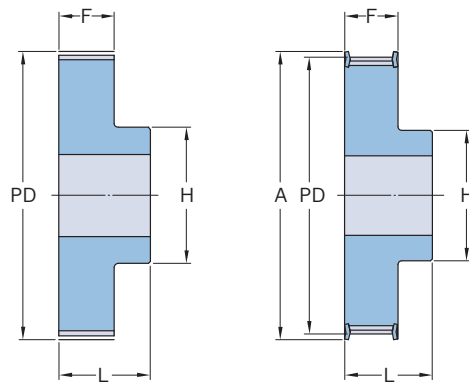
## Metric timing pulleys

5 mm pitch type AT pilot bore (RSB) | 10 mm pitch type AT pilot bore (RSB)

| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions           |     |           |      |     |    |    | Mass | Designation       |      |                   |
|---------|------------|-----------------------|--------------------|----------------|----------------------|-----|-----------|------|-----|----|----|------|-------------------|------|-------------------|
|         |            |                       |                    |                | Outer diameter<br>OD | A   | B<br>Min. | Max. | H   | F  | L  |      |                   |      |                   |
| –       | mm         |                       | –                  | –              | mm                   |     |           |      |     |    |    | kg   | –                 |      |                   |
| 5       | 16         | 71.62                 | 45                 | 1              | 70.35                | –   | 8         | 29   | 45  | 21 | 27 | 0.26 | PHP 27-AT5-45RSB  |      |                   |
|         |            | 76.42                 | 48                 | 1              | 75.15                | –   | 8         | 32   | 50  | 21 | 27 | 0.28 | PHP 27-AT5-48RSB  |      |                   |
|         |            | 95.52                 | 60                 | 1              | 94.25                | –   | 8         | 37   | 65  | 21 | 27 | 0.43 | PHP 27-AT5-60RSB  |      |                   |
|         |            | 114.62                | 72                 | 1              | 113.15               | –   | 10        | 42   | 80  | 21 | 27 | 0.41 | PHP 27-AT5-72RSB  |      |                   |
| 5       | 25         | 15.92                 | 10                 | 1F             | 14.65                | 20  | 4         | 5    | 8   | 30 | 36 | 0.02 | PHP 36-AT5-10RSB  |      |                   |
|         |            | 19.10                 | 12                 | 1F             | 17.85                | 23  | 6         | 7    | 12  | 30 | 36 | 0.03 | PHP 36-AT5-12RSB  |      |                   |
|         |            | 20.69                 | 13                 | 1F             | 19.45                | 25  | 6         | 8    | 13  | 30 | 36 | 0.03 | PHP 36-AT5-13RSB  |      |                   |
|         |            | 22.29                 | 14                 | 1F             | 21.05                | 26  | 6         | 9    | 14  | 30 | 36 | 0.04 | PHP 36-AT5-14RSB  |      |                   |
|         |            | 23.88                 | 15                 | 1F             | 22.65                | 28  | 6         | 10   | 16  | 30 | 36 | 0.04 | PHP 36-AT5-15RSB  |      |                   |
|         |            | 25.47                 | 16                 | 1F             | 24.20                | 32  | 6         | 11   | 18  | 30 | 36 | 0.05 | PHP 36-AT5-16RSB  |      |                   |
|         |            | 27.06                 | 17                 | 1F             | 25.80                | 32  | 6         | 12   | 19  | 30 | 36 | 0.06 | PHP 36-AT5-17RSB  |      |                   |
|         |            | 28.65                 | 18                 | 1F             | 27.40                | 32  | 6         | 13   | 20  | 30 | 36 | 0.06 | PHP 36-AT5-18RSB  |      |                   |
|         |            | 30.25                 | 19                 | 1F             | 29.00                | 36  | 6         | 14   | 22  | 30 | 36 | 0.07 | PHP 36-AT5-19RSB  |      |                   |
|         |            | 31.83                 | 20                 | 1F             | 30.60                | 36  | 6         | 15   | 23  | 30 | 36 | 0.08 | PHP 36-AT5-20RSB  |      |                   |
|         |            | 33.42                 | 21                 | 1F             | 32.20                | 38  | 6         | 15   | 24  | 30 | 36 | 0.08 | PHP 36-AT5-21RSB  |      |                   |
|         |            | 35.02                 | 22                 | 1F             | 33.85                | 38  | 6         | 15   | 24  | 30 | 36 | 0.08 | PHP 36-AT5-22RSB  |      |                   |
|         |            | 36.61                 | 23                 | 1F             | 35.40                | 42  | 6         | 16   | 25  | 30 | 36 | 0.09 | PHP 36-AT5-23RSB  |      |                   |
|         |            | 38.21                 | 24                 | 1F             | 37.00                | 44  | 8         | 17   | 26  | 30 | 36 | 0.11 | PHP 36-AT5-24RSB  |      |                   |
|         |            | 39.80                 | 25                 | 1F             | 38.60                | 44  | 8         | 17   | 26  | 30 | 36 | 0.12 | PHP 36-AT5-25RSB  |      |                   |
|         |            | 41.38                 | 26                 | 1F             | 40.20                | 44  | 8         | 17   | 26  | 30 | 36 | 0.12 | PHP 36-AT5-26RSB  |      |                   |
|         |            | 42.98                 | 27                 | 1F             | 41.80                | 48  | 8         | 19   | 30  | 30 | 36 | 0.13 | PHP 36-AT5-27RSB  |      |                   |
|         |            | 44.56                 | 28                 | 1F             | 43.35                | 48  | 8         | 20   | 32  | 30 | 36 | 0.13 | PHP 36-AT5-28RSB  |      |                   |
|         |            | 47.76                 | 30                 | 1F             | 46.55                | 51  | 8         | 22   | 34  | 30 | 36 | 0.15 | PHP 36-AT5-30RSB  |      |                   |
|         |            | 50.94                 | 32                 | 1F             | 49.70                | 54  | 8         | 24   | 38  | 30 | 36 | 0.18 | PHP 36-AT5-32RSB  |      |                   |
|         |            | 57.31                 | 36                 | 1F             | 56.05                | 63  | 8         | 24   | 38  | 30 | 36 | 0.23 | PHP 36-AT5-36RSB  |      |                   |
|         |            | 60.48                 | 38                 | 1F             | 59.25                | 66  | 8         | 26   | 40  | 30 | 36 | 0.25 | PHP 36-AT5-38RSB  |      |                   |
|         |            | 63.66                 | 40                 | 1F             | 62.45                | 66  | 8         | 26   | 40  | 30 | 36 | 0.28 | PHP 36-AT5-40RSB  |      |                   |
|         |            | 66.74                 | 42                 | 1F             | 65.60                | 71  | 8         | 26   | 40  | 30 | 36 | 0.28 | PHP 36-AT5-42RSB  |      |                   |
|         |            | 70.05                 | 44                 | 1              | 68.80                | –   | 8         | 29   | 45  | 30 | 36 | 0.32 | PHP 36-AT5-44RSB  |      |                   |
|         |            | 71.62                 | 45                 | 1              | 70.35                | –   | 8         | 30   | 45  | 30 | 36 | 0.36 | PHP 36-AT5-45RSB  |      |                   |
|         |            | 76.42                 | 48                 | 1              | 75.15                | –   | 8         | 32   | 50  | 30 | 36 | 0.40 | PHP 36-AT5-48RSB  |      |                   |
|         |            | 95.52                 | 60                 | 1              | 94.25                | –   | 8         | 37   | 65  | 30 | 36 | 0.61 | PHP 36-AT5-60RSB  |      |                   |
|         |            | 114.62                | 72                 | 1              | 113.15               | –   | 10        | 42   | 80  | 30 | 36 | 0.83 | PHP 36-AT5-72RSB  |      |                   |
|         |            | 10                    | 16                 | 38.20          | 12                   | 1F  | 36.35     | 42   | 6   | 18 | 28 | 21   | 31                | 0.08 | PHP 31-AT10-12RSB |
|         |            |                       |                    | 44.60          | 14                   | 1F  | 42.70     | 48   | 8   | 21 | 32 | 21   | 31                | 0.10 | PHP 31-AT10-14RSB |
|         |            |                       |                    | 47.75          | 15                   | 1F  | 45.90     | 51   | 8   | 21 | 32 | 21   | 31                | 0.12 | PHP 31-AT10-15RSB |
|         |            |                       |                    | 50.93          | 16                   | 1F  | 49.05     | 54   | 8   | 23 | 35 | 21   | 31                | 0.13 | PHP 31-AT10-16RSB |
|         |            |                       |                    | 54.11          | 17                   | 1F  | 52.25     | 58   | 8   | 24 | 38 | 21   | 31                | 0.15 | PHP 31-AT10-17RSB |
|         |            |                       |                    | 57.29          | 18                   | 1F  | 55.45     | 60   | 8   | 26 | 40 | 21   | 31                | 0.17 | PHP 31-AT10-18RSB |
| 60.48   | 19         |                       |                    | 1F             | 58.65                | 66  | 8         | 28   | 44  | 21 | 31 | 0.19 | PHP 31-AT10-19RSB |      |                   |
| 63.66   | 20         |                       |                    | 1F             | 61.80                | 66  | 8         | 30   | 46  | 21 | 31 | 0.21 | PHP 31-AT10-20RSB |      |                   |
| 66.85   | 21         |                       |                    | 1F             | 65.00                | 71  | 8         | 32   | 48  | 21 | 31 | 0.23 | PHP 31-AT10-21RSB |      |                   |
| 70.03   | 22         |                       |                    | 1F             | 68.15                | 75  | 8         | 34   | 52  | 21 | 31 | 0.25 | PHP 31-AT10-22RSB |      |                   |
| 73.21   | 23         |                       |                    | 1F             | 71.35                | 77  | 8         | 36   | 55  | 21 | 31 | 0.27 | PHP 31-AT10-23RSB |      |                   |
| 76.39   | 24         |                       |                    | 1F             | 74.55                | 83  | 8         | 38   | 58  | 21 | 31 | 0.29 | PHP 31-AT10-24RSB |      |                   |
| 79.58   | 25         |                       |                    | 1F             | 77.75                | 83  | 8         | 39   | 60  | 21 | 31 | 0.31 | PHP 31-AT10-25RSB |      |                   |
| 82.76   | 26         |                       |                    | 1F             | 80.90                | 87  | 8         | 39   | 60  | 21 | 31 | 0.36 | PHP 31-AT10-26RSB |      |                   |
| 85.95   | 27         |                       |                    | 1F             | 84.10                | 91  | 8         | 39   | 60  | 21 | 31 | 0.36 | PHP 31-AT10-27RSB |      |                   |
| 89.25   | 28         |                       |                    | 1F             | 87.25                | 93  | 8         | 39   | 60  | 21 | 31 | 0.40 | PHP 31-AT10-28RSB |      |                   |
| 95.49   | 30         |                       |                    | 1F             | 93.65                | 99  | 8         | 39   | 60  | 21 | 31 | 0.44 | PHP 31-AT10-30RSB |      |                   |
| 101.86  | 32         |                       |                    | 1F             | 100.00               | 106 | 10        | 42   | 65  | 21 | 31 | 0.49 | PHP 31-AT10-32RSB |      |                   |
| 114.59  | 36         |                       |                    | 1F             | 112.75               | 119 | 10        | 45   | 70  | 21 | 31 | 0.63 | PHP 31-AT10-36RSB |      |                   |
| 120.96  | 38         |                       |                    | 1F             | 119.10               | 125 | 10        | 48   | 75  | 21 | 31 | 0.70 | PHP 31-AT10-38RSB |      |                   |
| 127.32  | 40         |                       |                    | 1F             | 125.45               | 131 | 10        | 52   | 80  | 21 | 31 | 0.77 | PHP 31-AT10-40RSB |      |                   |
| 133.69  | 42         |                       |                    | 1              | 131.85               | –   | 10        | 57   | 80  | 21 | 31 | 0.88 | PHP 31-AT10-42RSB |      |                   |
| 140.05  | 44         |                       |                    | 1              | 138.20               | –   | 10        | 57   | 88  | 21 | 31 | 0.99 | PHP 31-AT10-44RSB |      |                   |
| 143.24  | 45         |                       |                    | 1              | 141.40               | –   | 16        | 59   | 90  | 21 | 31 | 1.01 | PHP 31-AT10-45RSB |      |                   |
| 152.78  | 48         |                       |                    | 1              | 150.95               | –   | 16        | 62   | 95  | 21 | 31 | 1.09 | PHP 31-AT10-48RSB |      |                   |
| 190.98  | 60         |                       |                    | 1              | 189.15               | –   | 16        | 72   | 110 | 21 | 31 | 1.71 | PHP 31-AT10-60RSB |      |                   |
| 10      | 25         |                       |                    | 38.20          | 12                   | 1F  | 36.40     | 42   | 6   | 18 | 28 | 30   | 40                | 0.10 | PHP 40-AT10-12RSB |
|         |            |                       |                    | 44.60          | 14                   | 1F  | 42.70     | 48   | 8   | 21 | 32 | 30   | 40                | 0.13 | PHP 40-AT10-14RSB |
|         |            | 47.80                 | 15                 | 1F             | 45.90                | 51  | 8         | 21   | 32  | 30 | 40 | 0.15 | PHP 40-AT10-15RSB |      |                   |
|         |            | 50.90                 | 16                 | 1F             | 49.10                | 54  | 8         | 23   | 35  | 30 | 40 | 0.18 | PHP 40-AT10-16RSB |      |                   |
|         |            | 54.10                 | 17                 | 1F             | 52.20                | 58  | 8         | 24   | 37  | 30 | 40 | 0.20 | PHP 40-AT10-17RSB |      |                   |
|         |            | 57.30                 | 18                 | 1F             | 55.50                | 60  | 8         | 26   | 40  | 30 | 40 | 0.22 | PHP 40-AT10-18RSB |      |                   |
|         |            | 60.50                 | 19                 | 1F             | 58.60                | 66  | 8         | 28   | 44  | 30 | 40 | 0.25 | PHP 40-AT10-19RSB |      |                   |
|         |            | 63.70                 | 20                 | 1F             | 61.80                | 66  | 8         | 30   | 46  | 30 | 40 | 0.28 | PHP 40-AT10-20RSB |      |                   |
|         |            | 66.80                 | 21                 | 1F             | 65.00                | 71  | 8         | 32   | 49  | 30 | 40 | 0.31 | PHP 40-AT10-21RSB |      |                   |
|         |            | 70.00                 | 22                 | 1F             | 68.20                | 75  | 8         | 34   | 52  | 30 | 40 | 0.34 | PHP 40-AT10-22RSB |      |                   |
|         |            | 73.20                 | 23                 | 1F             | 71.30                | 77  | 8         | 36   | 55  | 30 | 40 | 0.36 | PHP 40-AT10-23RSB |      |                   |
|         |            | 76.40                 | 24                 | 1F             | 74.50                | 83  | 8         | 38   | 58  | 30 | 40 | 0.39 | PHP 40-AT10-24RSB |      |                   |
|         |            | 79.60                 | 25                 | 1F             | 77.80                | 83  | 8         | 39   | 60  | 30 | 40 | 0.42 | PHP 40-AT10-25RSB |      |                   |
|         |            | 82.80                 | 26                 | 1F             | 80.90                | 87  | 8         | 39   | 60  | 30 | 40 | 0.48 | PHP 40-AT10-26RSB |      |                   |

# Metric timing pulleys

10 mm pitch type AT pilot bore (RSB)



Type 1

Type 1F

| Section | Belt width | Pitch diameter<br>PCD | Number of<br>teeth | Pulley<br>type | Dimensions           |     |           |      |     |    |    | Mass | Designation       |
|---------|------------|-----------------------|--------------------|----------------|----------------------|-----|-----------|------|-----|----|----|------|-------------------|
|         |            |                       |                    |                | Outer diameter<br>OD | A   | B<br>Min. | Max. | H   | F  | L  |      |                   |
| –       | mm         | –                     | –                  | –              | mm                   |     |           |      |     |    |    | kg   | –                 |
| 10      | 25         | 86.00                 | 27                 | 1F             | 84.10                | 91  | 8         | 39   | 60  | 30 | 40 | 0.54 | PHP 40-AT10-27RSB |
|         |            | 89.20                 | 28                 | 1F             | 87.20                | 93  | 8         | 39   | 60  | 30 | 40 | 0.54 | PHP 40-AT10-28RSB |
|         |            | 95.50                 | 30                 | 1F             | 93.70                | 99  | 8         | 39   | 60  | 30 | 40 | 0.64 | PHP 40-AT10-30RSB |
|         |            | 101.90                | 32                 | 1F             | 100.00               | 106 | 10        | 42   | 65  | 30 | 40 | 0.69 | PHP 40-AT10-32RSB |
|         |            | 114.60                | 36                 | 1F             | 112.80               | 119 | 10        | 45   | 70  | 30 | 40 | 0.87 | PHP 40-AT10-36RSB |
|         |            | 121.00                | 38                 | 1F             | 119.10               | 125 | 10        | 48   | 75  | 30 | 40 | 0.97 | PHP 40-AT10-38RSB |
|         |            | 127.30                | 40                 | 1F             | 125.50               | 131 | 10        | 52   | 80  | 30 | 40 | 1.07 | PHP 40-AT10-40RSB |
|         |            | 133.70                | 42                 | 1              | 131.80               | –   | 10        | 57   | 80  | 30 | 40 | 1.21 | PHP 40-AT10-42RSB |
|         |            | 140.10                | 44                 | 1              | 138.20               | –   | 10        | 57   | 88  | 30 | 40 | 1.35 | PHP 40-AT10-44RSB |
|         |            | 143.20                | 45                 | 1              | 141.40               | –   | 16        | 59   | 90  | 30 | 40 | 1.43 | PHP 40-AT10-45RSB |
|         |            | 152.80                | 48                 | 1              | 150.90               | –   | 16        | 62   | 95  | 30 | 40 | 1.52 | PHP 40-AT10-48RSB |
|         |            | 191.00                | 60                 | 1              | 189.20               | –   | 16        | 72   | 110 | 30 | 40 | 2.34 | PHP 40-AT10-60RSB |
| 10      | 32         | 57.29                 | 18                 | 1F             | 55.45                | 60  | 8         | 26   | 40  | 37 | 47 | 0.25 | PHP 47-AT10-18RSB |
|         |            | 60.48                 | 19                 | 1F             | 58.65                | 66  | 8         | 28   | 44  | 37 | 47 | 0.29 | PHP 47-AT10-19RSB |
|         |            | 63.66                 | 20                 | 1F             | 61.80                | 66  | 8         | 30   | 46  | 37 | 47 | 0.32 | PHP 47-AT10-20RSB |
|         |            | 66.85                 | 21                 | 1F             | 65.00                | 71  | 8         | 32   | 49  | 37 | 47 | 0.36 | PHP 47-AT10-21RSB |
|         |            | 70.03                 | 22                 | 1F             | 68.15                | 75  | 8         | 34   | 52  | 37 | 47 | 0.39 | PHP 47-AT10-22RSB |
|         |            | 73.21                 | 23                 | 1F             | 71.35                | 77  | 8         | 36   | 55  | 37 | 47 | 0.43 | PHP 47-AT10-23RSB |
|         |            | 76.39                 | 24                 | 1F             | 74.55                | 83  | 8         | 38   | 58  | 37 | 47 | 0.48 | PHP 47-AT10-24RSB |
|         |            | 79.58                 | 25                 | 1F             | 77.75                | 83  | 8         | 39   | 60  | 37 | 47 | 0.53 | PHP 47-AT10-25RSB |
|         |            | 82.76                 | 26                 | 1F             | 80.90                | 87  | 8         | 39   | 60  | 37 | 47 | 0.56 | PHP 47-AT10-26RSB |
|         |            | 85.95                 | 27                 | 1F             | 84.10                | 91  | 8         | 39   | 60  | 37 | 47 | 0.60 | PHP 47-AT10-27RSB |
|         |            | 89.25                 | 28                 | 1F             | 87.25                | 93  | 8         | 39   | 60  | 37 | 47 | 0.64 | PHP 47-AT10-28RSB |
|         |            | 95.49                 | 30                 | 1F             | 93.65                | 99  | 8         | 39   | 60  | 37 | 47 | 0.74 | PHP 47-AT10-30RSB |
|         |            | 101.86                | 32                 | 1F             | 100.00               | 106 | 10        | 42   | 65  | 37 | 47 | 0.84 | PHP 47-AT10-32RSB |
|         |            | 111.41                | 35                 | 1F             | 109.55               | 115 | 10        | 45   | 70  | 37 | 47 | 0.96 | PHP 47-AT10-35RSB |
|         |            | 114.59                | 36                 | 1F             | 112.75               | 119 | 10        | 45   | 70  | 37 | 47 | 1.08 | PHP 47-AT10-36RSB |
|         |            | 120.96                | 38                 | 1F             | 119.10               | 125 | 10        | 48   | 75  | 37 | 47 | 1.20 | PHP 47-AT10-38RSB |
|         |            | 127.32                | 40                 | 1F             | 125.45               | 131 | 10        | 52   | 80  | 37 | 47 | 1.32 | PHP 47-AT10-40RSB |
|         |            | 133.69                | 42                 | 1              | 131.85               | –   | 10        | 57   | 80  | 37 | 47 | 1.46 | PHP 47-AT10-42RSB |
|         |            | 140.20                | 44                 | 1              | 138.20               | –   | 10        | 57   | 88  | 37 | 47 | 1.61 | PHP 47-AT10-44RSB |
|         |            | 143.24                | 45                 | 1              | 141.40               | –   | 10        | 59   | 90  | 37 | 47 | 1.77 | PHP 47-AT10-45RSB |
|         |            | 152.78                | 48                 | 1              | 150.95               | –   | 16        | 62   | 95  | 37 | 47 | 1.93 | PHP 47-AT10-48RSB |
|         |            | 171.89                | 54                 | 1              | 170.05               | –   | 16        | 66   | 100 | 37 | 47 | 2.29 | PHP 47-AT10-54RSB |
|         |            | 181.44                | 57                 | 1              | 179.60               | –   | 16        | 72   | 110 | 37 | 47 | 2.64 | PHP 47-AT10-57RSB |
|         |            | 190.98                | 60                 | 1              | 189.15               | –   | 16        | 72   | 110 | 37 | 47 | 3.00 | PHP 47-AT10-60RSB |
| 10      | 50         | 57.29                 | 18                 | 1F             | 55.45                | 60  | 10        | 26   | 40  | 56 | 66 | 0.42 | PHP 66-AT10-18RSB |
|         |            | 60.48                 | 19                 | 1F             | 58.65                | 66  | 10        | 28   | 44  | 56 | 66 | 0.47 | PHP 66-AT10-19RSB |
|         |            | 63.66                 | 20                 | 1F             | 61.80                | 66  | 12        | 30   | 46  | 56 | 66 | 0.52 | PHP 66-AT10-20RSB |
|         |            | 66.85                 | 21                 | 1F             | 65.00                | 71  | 12        | 32   | 49  | 56 | 66 | 0.55 | PHP 66-AT10-21RSB |
|         |            | 70.20                 | 22                 | 1F             | 68.15                | 75  | 12        | 34   | 52  | 56 | 66 | 0.57 | PHP 66-AT10-22RSB |
|         |            | 73.21                 | 23                 | 1F             | 71.35                | 77  | 12        | 36   | 55  | 56 | 66 | 0.65 | PHP 66-AT10-23RSB |
|         |            | 76.39                 | 24                 | 1F             | 74.55                | 83  | 12        | 38   | 58  | 56 | 66 | 0.74 | PHP 66-AT10-24RSB |
|         |            | 79.58                 | 25                 | 1F             | 77.75                | 83  | 12        | 39   | 60  | 56 | 66 | 0.77 | PHP 66-AT10-25RSB |
|         |            | 82.76                 | 26                 | 1F             | 80.90                | 87  | 12        | 39   | 60  | 56 | 66 | 0.82 | PHP 66-AT10-26RSB |
|         |            | 85.95                 | 27                 | 1F             | 84.10                | 90  | 12        | 39   | 60  | 56 | 66 | 0.95 | PHP 66-AT10-27RSB |
|         |            | 89.25                 | 28                 | 1F             | 87.25                | 93  | 12        | 39   | 60  | 56 | 66 | 0.96 | PHP 66-AT10-28RSB |
|         |            | 95.49                 | 30                 | 1F             | 93.65                | 99  | 12        | 39   | 60  | 56 | 66 | 1.17 | PHP 66-AT10-30RSB |
|         |            | 101.86                | 32                 | 1F             | 100.00               | 106 | 12        | 42   | 65  | 56 | 66 | 1.30 | PHP 66-AT10-32RSB |
|         |            | 111.41                | 35                 | 1F             | 109.55               | 115 | 16        | 45   | 70  | 56 | 66 | 1.47 | PHP 66-AT10-35RSB |
|         |            | 114.59                | 36                 | 1F             | 112.75               | 119 | 16        | 45   | 70  | 56 | 66 | 1.64 | PHP 66-AT10-36RSB |
|         |            | 120.96                | 38                 | 1F             | 119.10               | 125 | 16        | 48   | 75  | 56 | 66 | 1.82 | PHP 66-AT10-38RSB |
|         |            | 127.32                | 40                 | 1F             | 125.45               | 131 | 16        | 52   | 80  | 56 | 66 | 2.00 | PHP 66-AT10-40RSB |

**Metric timing pulleys**  
10 mm pitch type AT pilot bore (RSB)

| Section | Belt width | Pitch diameter<br>PCD | Number of teeth | Pulley type | Dimensions           |   | B<br>Min. | Max. | H   | F  | L  | Mass | Designation       |
|---------|------------|-----------------------|-----------------|-------------|----------------------|---|-----------|------|-----|----|----|------|-------------------|
|         |            |                       |                 |             | Outer diameter<br>OD | A |           |      |     |    |    |      |                   |
| –       | mm         |                       | –               | –           | mm                   |   |           |      |     |    |    | kg   | –                 |
| 10      | 50         | 133.69                | 42              | 1           | 131.85               | – | 16        | 57   | 80  | 56 | 66 | 2.18 | PHP 66-AT10-42RSB |
|         |            | 140.20                | 44              | 1           | 138.20               | – | 16        | 57   | 88  | 56 | 66 | 2.36 | PHP 66-AT10-44RSB |
|         |            | 143.24                | 45              | 1           | 141.40               | – | 16        | 59   | 90  | 56 | 66 | 2.59 | PHP 66-AT10-45RSB |
|         |            | 152.78                | 48              | 1           | 150.95               | – | 16        | 62   | 95  | 56 | 66 | 2.83 | PHP 66-AT10-48RSB |
|         |            | 171.89                | 54              | 1           | 170.05               | – | 16        | 66   | 100 | 56 | 66 | 3.34 | PHP 66-AT10-54RSB |
|         |            | 181.44                | 57              | 1           | 179.60               | – | 16        | 72   | 110 | 56 | 66 | 3.85 | PHP 66-AT10-57RSB |
|         |            | 190.98                | 60              | 1           | 189.15               | – | 16        | 72   | 110 | 56 | 66 | 4.37 | PHP 66-AT10-60RSB |
|         |            |                       |                 |             |                      |   |           |      |     |    |    |      |                   |
|         |            |                       |                 |             |                      |   |           |      |     |    |    |      |                   |
|         |            |                       |                 |             |                      |   |           |      |     |    |    |      |                   |



# Related tools



Coupling grease. . . . . 360



Belt frequency meter . . . . . 361



Belt alignment tools . . . . . 362



Shaft alignment tools. . . . . 364



Machinery shims. . . . . 366



Stroboscopes. . . . . 367

# Coupling grease LMCG 1

## Grease lubrication for gear and grid couplings

For longevity, the greases used in gear or grid couplings must have characteristics different from general purpose greases, due to the fact that the couplings are rotating. At higher speeds in particular, the centrifugal forces induced by these higher speeds may cause the grease components to separate, resulting in breakdown and subsequent inability to adequately protect metal – metal contact faces.

### Typical specifications:

- High resistance to centrifugal forces and separation.
- Maintaining good lubricating properties
- Both stain and corrosion free
- Minimum base oil viscosity 600 mm<sup>2</sup>/sec at 400 °C



### Technical specification

| Characteristics                | Test method                                            | Value                         |
|--------------------------------|--------------------------------------------------------|-------------------------------|
| Designation                    |                                                        | LMCG 1/(pack size)            |
| DIN 51825 code                 |                                                        | AGMA CG- 2                    |
| NLGI consistency class         |                                                        | 1                             |
| Thickener                      |                                                        | Polyethylene                  |
| Colour                         |                                                        | Brown                         |
| Base oil type                  |                                                        | Mineral                       |
| Operating temperature range    |                                                        | 0 to 120 °C<br>(32 to 248 °F) |
| Dropping point (min), ISO 2176 |                                                        | 160 °C (320 °F)               |
| Base oil viscosity, DIN 51562  | 40 °C, mm <sup>2</sup> /s                              | 761                           |
|                                | 100 °C, mm <sup>2</sup> /s                             | 44                            |
| Penetration DIN ISO 2137       | Worked, 60 strokes, 10 <sup>-1</sup> mm                | 310–340                       |
|                                | Prolonged (max.), 100 000 strokes, 10 <sup>-1</sup> mm | +50 max.                      |
|                                | Prolonged (max.), 10 000 strokes, 10 <sup>-1</sup> mm  | +25 max.                      |
| Corrosion protection, Emcor    | ISO 11007, Distilled water                             | 0–0                           |
| Water resistance (max.)        | Water wash-out test, ISO 11009                         | <10% at 38°C                  |
| Copper corrosion (max.)        | DIN 51811 / ASTM D4048, 24 hrs at 100 °C               | 1b max.                       |
| EP performance                 | 4 ball - Wear scar (max.) DIN 51 350, 1 400 N, mm      | ASTM D2266 - 0.5 mm           |
|                                | 4 ball - Weld load (min.) DIN 51350/4, N               | ASTM D2539 - 315 kgf          |
|                                | Koppers Method ASTM D4425, K36, 24h                    | <24%                          |
|                                | Flow pressure, DIN 51805-2                             | <1 400 mbar at -10°C          |
| Other data                     | Shelf life                                             | 5 years                       |
|                                | Density (DIN 51757) at 20 °C (68 °F)                   | 0,94                          |
| Pack sizes                     | 420 ml cartridge                                       |                               |
|                                | 2 kg can                                               |                               |
|                                | 18 kg pail                                             |                               |
|                                | 50 kg pail (on request)                                |                               |

### Coupling speed range

| Coupling size<br>(Gear) | Speed range with NLGI 1<br>grease <sup>1)</sup> |         |
|-------------------------|-------------------------------------------------|---------|
|                         | Minimum                                         | Allowed |
| –                       | r/min                                           |         |
| 10GC                    | 1 030                                           | 7 000   |
| 15GC                    | 700                                             | 6 000   |
| 20GC                    | 550                                             | 5 000   |
| 25GC                    | 460                                             | 4 750   |
| 30GC                    | 380                                             | 4 400   |
| 35GC                    | 330                                             | 3 900   |
| 40GC                    | 290                                             | 3 600   |
| 45GC                    | 250                                             | 3 200   |
| 50GC                    | 230                                             | 2 900   |
| 55GC                    | 210                                             | 2 650   |
| 60GC                    | 190                                             | 2 450   |
| 70GC                    | 160                                             | 2 150   |
| 80GC                    | 140                                             | 1 750   |
| 90GC                    | 120                                             | 1 550   |
| 100GC                   | 110                                             | 1 450   |
| 1100GC                  | 100                                             | 1 330   |
| 1120GC                  | 94                                              | 1 200   |
| 1130GC                  | 88                                              | 1 075   |
| 1140GC                  | 82                                              | 920     |
| 1150GC                  | 76                                              | 770     |
| 1160GC                  | 72                                              | 650     |
| 1180GC                  | 64                                              | 480     |
| 1200GC                  | 58                                              | 370     |
| 1220GC                  | 52                                              | 290     |
| 1240GC                  | 48                                              | 270     |
| 1260GC                  | 44                                              | 250     |
| 1280GC                  | 40                                              | 230     |
| 1300GC                  | 38                                              | 220     |

<sup>1)</sup> Coupling speed range with NLGI 0 greases is from zero to maximums shown.  
For northern climate applications. For continuous operation at constant ambient temperatures less than 0 °F or –18 °C (e.g. refrigeration systems), consult SKF.

# Belt frequency meter PHL FM10/400

## Quick and easy detection of belt vibration and tension

The Belt frequency meter is a two component system consisting of a hand-held meter attached to an optical sensor via an electronic cable. The sensor uses an infrared beam to detect the vibration of a belt strand and sends a signal to the meter (the sensor includes a LED that produces an orange light beam to help aim the invisible infrared ray.)

Comparing this input to the vibration of a quartz crystal, the meter computes the natural frequency of the belt. The result is shown in the display window as hertz (oscillations per second). The internal programming of the meter is also able to report the belt tension in units of force (either newton or pounds-force) provided the operator has entered the belt mass and span length using the manually operated key pad.

- Easy to use; no training required
- Detection of vibration/frequency and tension of a belt through an optical sensor (infrared)
- Orange LED generated beam supports aiming of the sensor
- Measurement system based upon very stable quartz crystal
- Capable frequencies range: 10 Hz to 400 Hz
- Precision mechanical resonator (tuning fork) included to check calibration at a spot frequency
- Visible and audible communication with the operator
- Lightweight, handheld device
- Both stain and corrosion free
- Minimum base oil viscosity 600 mm<sup>2</sup>/sec at 400 °C



# Belt alignment tools TKBA series

## Accurate alignment of pulleys and sprockets

SKF offers a range of three different belt alignment tools to enable accurate alignment for almost all applications. The tools are designed to be easy to use without any special training. The laser position indicates the nature of misalignment allowing easy and accurate adjustment.

The TKBA Belt alignment tools accurately align pulleys and sprockets and correct for various types of misalignment. Each tool has two components; a laser-emitting unit and three passive targets. Each is attached quickly and easily – using a powerful magnet – to the inside or outside face of a belt pulley or chain sprocket. The laser line is projected from the emitting unit to the receiver unit or the passive targets to correct for vertical angle, horizontal angle and parallel misalignment – including combinations of all three. The sturdy housings, made from ABS and 2K polymers and an aluminium base help ensure assembly stability and accuracy during alignment.



### TKBA 11

**Superior alignment tool for pulley and chain drive alignment**

- One laser emitter with three passive targets
- Uses a red laser diode allowing for distances up to 3 m (10 ft).
- Fast, easy attachment
- Simplified alignment process
- Simultaneous adjustment of tension and alignment
- Applicable to most machines using V belts, banded belts, ribbed belts – as well as chain sprockets



### TKBA 21

**Versatile tool for pulley and chain drive alignment**

- Two laser transmitter/receiver units
- Uses red laser diodes allowing for distances up to 3 m (10 ft).
- Fast, easy attachment – using powerful magnets
- Simplified alignment process
- Simultaneous adjustment of tension and alignment
- Applicable to most machines using V belts, banded belts, ribbed belts – as well as chain sprockets



### TKBA 31

**Advanced tool for pulley and chain drive alignment**

- Two laser transmitter/receiver units
- Each unit uses a green laser diode and can be used for distances up to 6 m (20 ft) – including outdoors in sunny conditions
- Three passive targets
- Three belt tension checkers and wear check gauge included
- Fast, easy attachment – using powerful magnets
- Simplified alignment process
- Simultaneous adjustment of tension and alignment
- Applicable to most machines using V belts, banded belts, ribbed belts – as well as chain sprockets



TKBA 11



Red laser line project from the transmitter to the passive tagets



TKBA 21

Red laser line project from the transmitter to the receiver



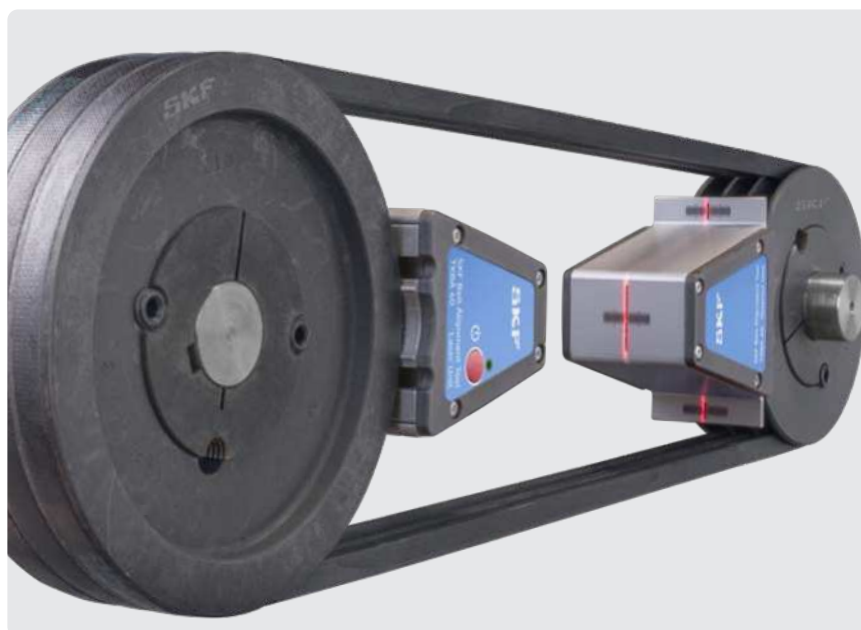
TKBA 31

Green laser line project from the transmitter to the receiver.  
Alternatively, passive targets can also be used.

## Belt alignment tol TKBA 40

### High-accuracy tool for V-belt pulley alignment

- Fast, easy attachment – using powerful magnets
- Simplified alignment process
- Ability to align a wide range of V-belt pulleys, as four sizes of V-guide are supplied
- Simultaneous adjustment of tension and alignment
- Aligns grooves – rather than faces – of V-belt pulley, for optimum alignment of pulleys of dissimilar widths or faces.
- Optional extra: a special side adaptor allows alignment of multi-ribbed and timing belt pulleys, as well as sprockets
- Maximum operating distance of 6 m (20 ft) accommodates many applications
- Relies on red laser diode, and supplied in sturdy carrying case
- Runs on 2 × AAA batteries for 20 hours' continuous operation.



The laser unit emits a laser line that is projected onto the receiver unit. A three-dimensional target area on the receiver unit allows easy detection of the type of misalignment and how to correct it. Belt alignment is achieved when the laser line coincides with the three reference lines on the receiver unit.

# Shaft alignment tools TKSA series



## TKSA 11

**New technology makes shaft alignment easier and more affordable**

The SKF TKSA 11 is an innovative shaft alignment tool that uses smartphones and tablets and intuitively guides the user through the shaft alignment process. With a focus on the core alignment tasks, the TKSA 11 is designed to be a very easy-to-use instrument that is especially suitable for alignment learners and compact applications. The SKF TKSA 11 uses inductive proximity sensors, enabling accurate and reliable shaft alignment to be affordable for every budget.

## TKSA 31

**The intuitive and affordable laser shaft alignment system**

The ergonomic display unit with touch screen makes the instrument very easy to use and the built-in machine library helps storing alignment reports for multiple machines. Large sized laser detectors in the measuring heads reduce the need for pre-alignments and the embedded soft foot tool helps establish the foundation for a successful alignment. Additional functions such as live view and automatic measurement support fast and effective alignment tasks.

## TKSA 41

**The advanced laser shaft alignment system with enhanced measuring and reporting capabilities**

The TKSA 41 is a laser alignment solution for achieving accurate shaft alignments. With two wireless measurement units, large sized detectors and powerful lasers, the instrument performs precise measurements in even the most challenging conditions. The ergonomic display unit with intuitive touch screen navigation makes your alignments fast and easy, whilst innovative features, like the “free measurement”, increase the alignment performance.

## TKSA 51

**Comprehensive and intuitive shaft alignment utilising tablets and smart phones**

The TKSA 51 shaft alignment tool provides high measurement flexibility and performance suitable for entry-level to expert alignment jobs. Designed to work with the SKF shaft alignment apps on a tablet or smart phone, this intuitive tool is easy to use and requires no special training. The included accessories enable use of the TKSA 51 for a wide range of alignment applications with horizontal and vertical shafts, such as motors, drives, fans, pumps, gearboxes and more.

## TKSA 71

**Versatility and performance for professional alignment**

Superior alignment performance and long-term industrial durability are achieved with an innovative instrument design that offers high measurement accuracy and excellent protection against dust and water in harsh environments. Designed for professional alignment in harsh industrial environments. The instrument is very versatile with ultra-compact measuring units for use in extremely narrow spaces. Its dedicated software applications enable different types of alignments, including horizontal and vertical shafts, spacer shafts and machine trains.

## Alignment apps

**Designed for use without prior training**

The TKSA 51 and 71 function quickly and intuitively using software apps tailored for different alignment jobs. These simple-to-use apps are available free of charge for both Android and iOS platforms. Common features include comprehensive, automatic reports, export and sharing options, machine library with QR code identification, instructional videos within the app, built-in tolerance guidelines, 3-D live view, disturbance compensation and a fully functional demonstration mode.

## Selection chart

| Shaft alignment tool                                                                                                                                                                                                                  | TKSA 11                       | TKSA 31                     | TKSA 41                     | TKSA 51                       | TKSA 71                       | TKSA 71/PRO                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>User interface</b><br>Type of display device                                                                                                                                                                                       | phone, tablet (iOS & Android) | touch screen display device | touch screen display device | phone, tablet (iOS & Android) | phone, tablet (iOS & Android) | phone, tablet (iOS & Android) |
| <b>Display device included</b>                                                                                                                                                                                                        | no                            | yes                         | yes                         | no                            | no                            | no                            |
| <b>Measurement positions</b><br>The "9-12-3" measurement directs the user to three pre-defined measurement positions. The "free" measurement allows the user to freely select the measurement positions. All measurements are guided. | 9-12-3                        | 9-12-3                      | free                        | free                          | free                          | free                          |
| <b>Wireless measuring heads</b>                                                                                                                                                                                                       | ●                             | —                           | ●                           | ●                             | ●                             | ●                             |
| <b>Measurment distance</b><br>Maximum possible distance between the brackets of the measuring heads.                                                                                                                                  | 18.5 cm                       | 2 m <sup>1)</sup>           | 4 m                         | 5 m                           | 10 m                          | 10 m                          |
| <b>Minimal shaft rotation</b><br>Describes the minimal required total shaft rotation angle to perform alignment measurements.                                                                                                         | 180°                          | 140°                        | 90°                         | 40°                           | 40°                           | 40°                           |
| <b>Camera</b><br>Machine picture(s) can be taken and added to alignment reports.                                                                                                                                                      | ●                             | —                           | ●                           | ●                             | ●                             | ●                             |
| <b>Machine library</b><br>Overview of all registered machines and previous alignment reports.                                                                                                                                         | —                             | ●                           | ●                           | ●                             | ●                             | ●                             |
| <b>QR code recognition</b><br>QR labels can be used to simplify the machine identification and increase the usage convenience.                                                                                                        | —                             | —                           | ●                           | ●                             | ●                             | ●                             |
| <b>Machine view</b><br>The machine view describes how the machine is shown on the display. The free 3D rotation allows to view the machine from all directions.                                                                       | fixed 2D view                 | fixed 3D view               | fixed 3D view               | free 3D rotation              | free 3D rotation              | free 3D rotation              |
| <b>Target values</b><br>Using target values for alignment, it is possible to compensate for thermal expansion or similar adjustments.                                                                                                 | —                             | —                           | —                           | ●                             | ●                             | ●                             |
| <b>Disturbance compensation</b><br>Measurement values are averaged over time, allowing accurate measurements in the presence of laser distortions from air temperature gradients or similar disturbances.                             | —                             | —                           | —                           | ●                             | ●                             | ●                             |

| Supported alignment applications | TKSA 11 | TKSA 31 | TKSA 41 | TKSA 51 | TKSA 71 | TKSA 71/PRO |
|----------------------------------|---------|---------|---------|---------|---------|-------------|
| Horizontal shaft alignment       | ●       | ●       | ●       | ●       | ●       | ●           |
| Soft foot correction             | —       | ●       | ●       | ●       | ●       | ●           |
| Vertical shaft alignment         | —       | —       | —       | ●       | ●       | ●           |
| Spacer shaft                     | —       | —       | —       | —       | ●       | ●           |
| Machine train                    | —       | —       | —       | —       | ●       | ●           |
| Digital dial gauge mode          | —       | —       | —       | —       | ●       | ●           |

| Alignment accessories | TKSA 11  | TKSA 31  | TKSA 41  | TKSA 51  | TKSA 71  | TKSA 71/PRO |
|-----------------------|----------|----------|----------|----------|----------|-------------|
| Extension chains      | optional | optional | optional | included | included | included    |
| Extension rods        | optional | optional | included | included | included | included    |
| Magnetic V-brackets   | optional | optional | optional | included | included | included    |
| Offset brackets       | optional | optional | optional | optional | optional | included    |
| Sliding brackets      | optional | optional | optional | optional | optional | included    |
| Magnetic base         | —        | optional | optional | optional | optional | included    |
| Spindle bracket       | optional | —        | —        | optional | optional | optional    |

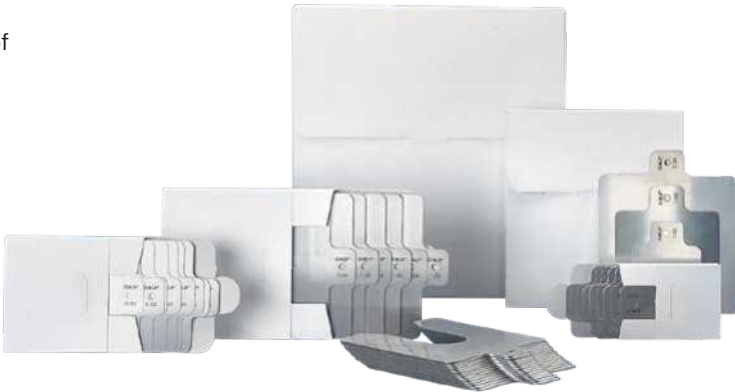
<sup>1)</sup> With supplied USB cables

# Machinery shims TMAS series

## For accurate vertical machinery alignment

Accurate machine adjustment is an essential element of any alignment process.

- Made of high quality stainless steel, allowing re-use
- Easy to fit and to remove
- Close tolerances for accurate alignment
- Thickness clearly marked on each shim
- Fully de-burred
- Pre-cut shims are supplied in packs of 10 and complete kits are also available



TMAS 340



TMAS 380



TMAS 100/KIT

| A 50 mm B 50 mm C 13 mm |                | A 75 mm B 75 mm C 21 mm |                | A 100 mm B 100 mm C 32 mm |                |
|-------------------------|----------------|-------------------------|----------------|---------------------------|----------------|
| Pack designation        | Thickness (mm) | Pack designation        | Thickness (mm) | Pack designation          | Thickness (mm) |
| TMAS 50-005             | 0.05           | TMAS 75-005             | 0.05           | TMAS 100-005              | 0.05           |
| TMAS 50-010             | 0.10           | TMAS 75-010             | 0.10           | TMAS 100-010              | 0.10           |
| TMAS 50-020             | 0.20           | TMAS 75-020             | 0.20           | TMAS 100-020              | 0.20           |
| TMAS 50-025             | 0.25           | TMAS 75-025             | 0.25           | TMAS 100-025              | 0.25           |
| TMAS 50-040             | 0.40           | TMAS 75-040             | 0.40           | TMAS 100-040              | 0.40           |
| TMAS 50-050             | 0.50           | TMAS 75-050             | 0.50           | TMAS 100-050              | 0.50           |
| TMAS 50-070             | 0.70           | TMAS 75-070             | 0.70           | TMAS 100-070              | 0.70           |
| TMAS 50-100             | 1.00           | TMAS 75-100             | 1.00           | TMAS 100-100              | 1.00           |
| TMAS 50-200             | 2.00           | TMAS 75-200             | 2.00           | TMAS 100-200              | 2.00           |
| TMAS 50-300             | 3.00           | TMAS 75-300             | 3.00           | TMAS 100-300              | 3.00           |

| A 125 mm B 125 mm C 45 mm |                | A 200 mm B 200 mm C 55 mm |                |
|---------------------------|----------------|---------------------------|----------------|
| Pack designation          | Thickness (mm) | Pack designation          | Thickness (mm) |
| TMAS 125-005              | 0.05           | TMAS 200-005              | 0.05           |
| TMAS 125-010              | 0.10           | TMAS 200-010              | 0.10           |
| TMAS 125-020              | 0.20           | TMAS 200-020              | 0.20           |
| TMAS 125-025              | 0.25           | TMAS 200-025              | 0.25           |
| TMAS 125-040              | 0.40           | TMAS 200-040              | 0.40           |
| TMAS 125-050              | 0.50           | TMAS 200-050              | 0.50           |
| TMAS 125-070              | 0.70           | TMAS 200-070              | 0.70           |
| TMAS 125-100              | 1.00           | TMAS 200-100              | 1.00           |
| TMAS 125-200              | 2.00           | TMAS 200-200              | 2.00           |
| TMAS 125-300              | 3.00           | TMAS 200-300              | 3.00           |

A

Each pack designation consists of 10 shims.

# Stroboscopes TKRS series

## High-performance, hand-held stroboscopes for visual inspection

SKF offers a wide range of portable TKRS stroboscopes for visual inspection of running machines in challenging industrial environments. These portable tools provide early detection of abnormalities to help schedule maintenance tasks and reduce additional loads on rotating equipment in order to reach planned performance levels. Designed for ease of use, the four TKRS models offer from 3 to 118 ultra-bright LEDs. Each stroboscope features a large screen and multifunctional selector switch to help you quickly navigate to the correct menu. Brightness and performance levels are adjustable.



### TKRS 11

- Quick speed selection with rotary button
- Black and white LCD display
- Three ultra-bright LEDs



### TKRS 21

- High luminescence with seven ultra-bright LEDs
- Multi-line backlit TFT



### TKRS 31

- Built-in laser tachometer with flash synchronization
- Pro-mode with additional features like slow motion phase shift
- Trigger input and output with signal modification



G



### TKRS 41

- Extreme luminescence with 118 ultra-bright LEDs
- Portable operation with built-in rechargeable battery
- Continuous operation for long term inspection with power adapter
- Flash synchronization from laser tachometer or trigger input







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PUB PT/P1 11015/4 · May 2025  
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