

Timing pulley

All series of the timing pulleys XL-XXH, 3M-20M, T2.5-T20 and AT5-AT10. produced by CHSSB are adopted advanced production technology and of high quality. They are really the first choice of users.



All series of specifications can be sold off-the-shelf, immediate delivery. Fast and convenient. Please contact us directly.

The material can be S45C, GG25, FFF40, aluminium, nylon and stainless steel etc. The surface finish can be black oxide, phosphating, anodization and zinc plating.

Timing pulleys



S_{tock}
B_{ore} Timing pulleys
XL L H XH XXH



S_{tock}
B_{ore} HTP Timing pulleys
3M 5M 8M 14M 20M



S_{tock}
B_{ore} T/AT Timing pulleys
T2.5 T5 T10 T20
AT5 AT10

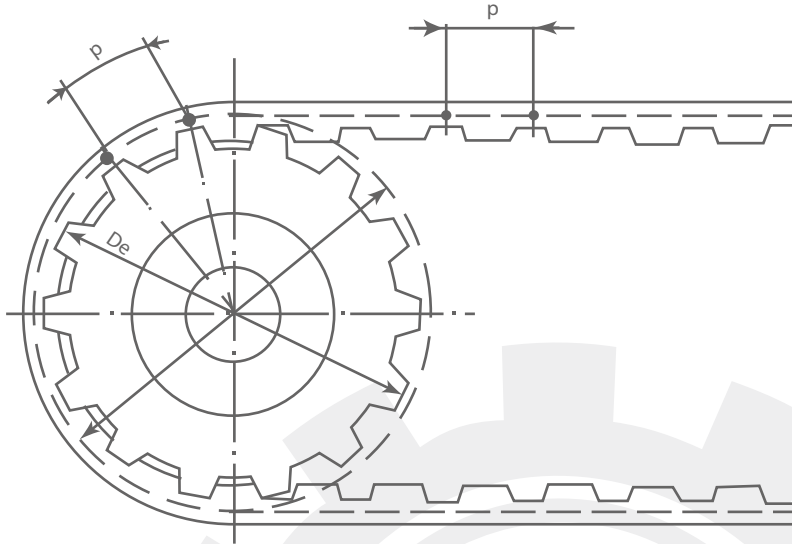


T_{aper}
B_{ore} BTL Timing pulleys
L H XH

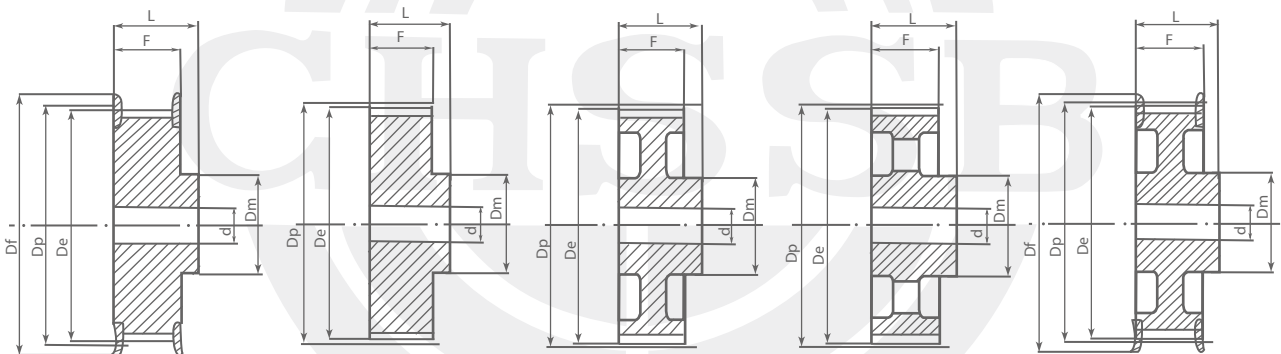


T_{aper}
B_{ore} BTL HTP Timing pulleys
8M 14M

Timing pulley ISO5294-1989



TYPE OF BASIC STRUCTURE OF TIMING PULLEY



P = Pitch is the distance between the axes of two adjacent teeth in spite of whether these teeth are on the pulley or the belt provided and measurement is taken on the circumference of pitch line

Z = teeth Number

$$D_p = \frac{P \cdot Z}{\pi}$$

The pitch diameter is obtained from formula

De = External diameter of pulley $De = D_p - H_f$

Dm = Hub diameter

d = Bore diameter

F = Tooth width

L = Total length including hubs

Timing pulley ISO5294-1989

TEETH DIMENSION OF TIMING BELT AND ORIGINAL TEETH OUTLINE OF PULLEY

| SPECIFICATION OF BELT AND PULLEY | TEETH DIMENSION OF BELT | ORIGINAL TEETH OUTLINE OF PULLEY |
|----------------------------------|-------------------------|----------------------------------|
| XL | | |
| L | | |
| H | | |
| XH | | |
| XXH | | |

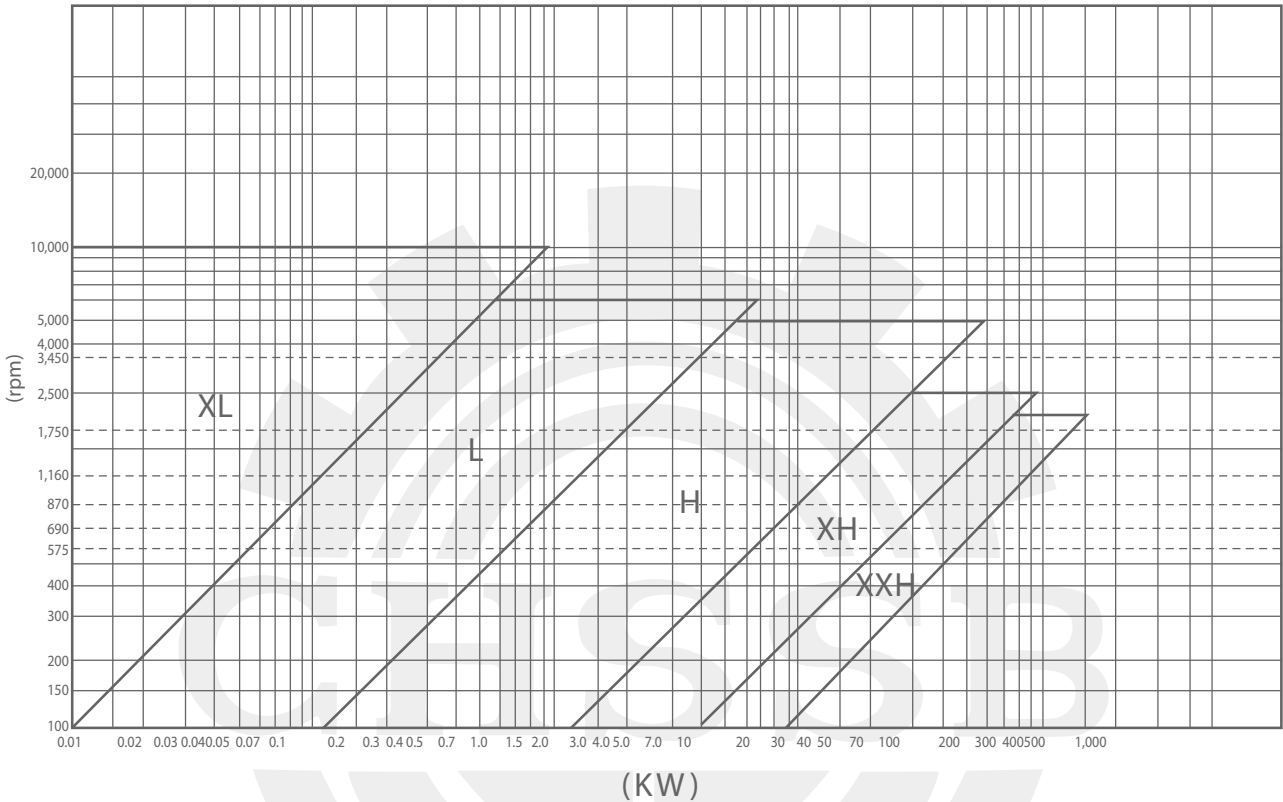
MATERIALS USED FOR PULLEYS

Aluminium UN13571TA16
suitable for anodic treatment
Steel UNI C45
Cast iron GG25 UNI 5007

The surface treatment of timing belt pulleys is black phosphated (except aluminium material)
The timing belt pulleys that made of GG25 cast iron should be dynamically balanced.(Grade 6.3)

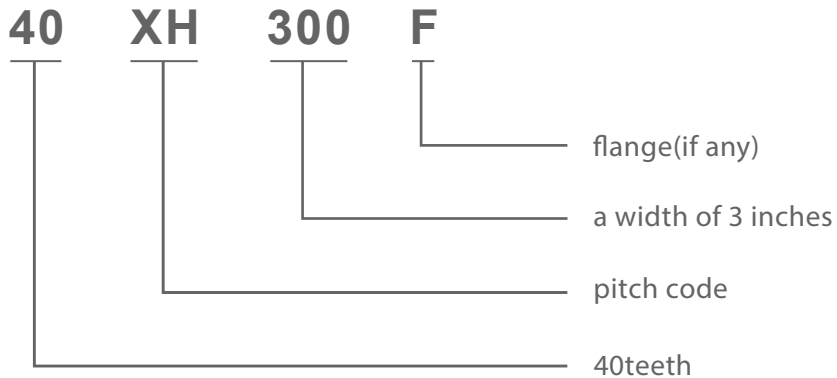
Timing pulley ISO5294-1989

DESIGN HORSEPOWER (HORSEPOWER SERVICE FACTOR)



SPECIFICATION AND TYPE FOR TIMING BELT PULLEY

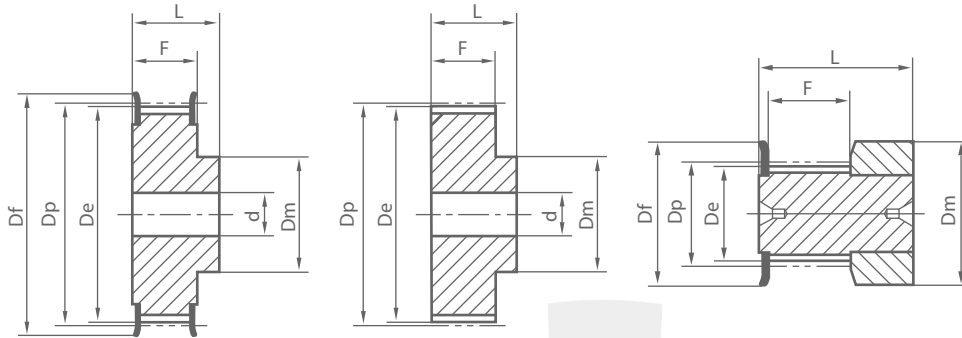
EXAMPLE:



Timing pulley

ISO5294-1989

S_{tock}
B_{ore}



1:C45/LY12

2:C45/LY12

3:C45/LY12

MXL025 PITCH 0.080" (2.032mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|----|-------|-------|------|----|-----|----|---|
| 16MXL025F | 3 | 16 | 9.84 | 10.35 | 15 | 15 | 8.5 | 16 | - |
| 18MXL025F | 3 | 18 | 11.12 | 11.64 | 16 | 16 | 8.5 | 16 | - |
| 20MXL025F | 3 | 20 | 12.43 | 12.94 | 16 | 16 | 8.5 | 16 | - |
| 22MXL025 | 1 | 22 | 13.72 | 14.23 | 19.5 | 10 | 11 | 16 | 3 |
| 24MXL025F | 1 | 24 | 15.01 | 15.52 | 20 | 10 | 11 | 16 | 3 |
| 28MXL025F | 1 | 28 | 17.60 | 18.11 | 25 | 11 | 11 | 16 | 3 |
| 30MXL025F | 1 | 30 | 18.90 | 19.40 | 25 | 12 | 11 | 16 | 4 |
| 32MXL025F | 1 | 32 | 20.19 | 20.70 | 26 | 14 | 11 | 16 | 4 |
| 36MXL025F | 1 | 36 | 22.78 | 23.29 | 28 | 16 | 11 | 16 | 4 |
| 40MXL025F | 1 | 40 | 25.37 | 25.87 | 32 | 18 | 11 | 16 | 4 |
| 42MXL025F | 1 | 42 | 26.67 | 27.17 | 32 | 18 | 11 | 16 | 5 |
| 44MXL025F | 1 | 44 | 27.95 | 28.46 | 36 | 18 | 11 | 16 | 5 |
| 48MXL025 | 2 | 48 | 30.54 | 31.05 | - | 20 | 11 | 16 | 5 |
| 60MXL025 | 2 | 60 | 38.30 | 38.81 | - | 24 | 11 | 16 | 5 |
| 72MXL025 | 2 | 72 | 46.06 | 46.57 | - | 25 | 11 | 16 | 6 |

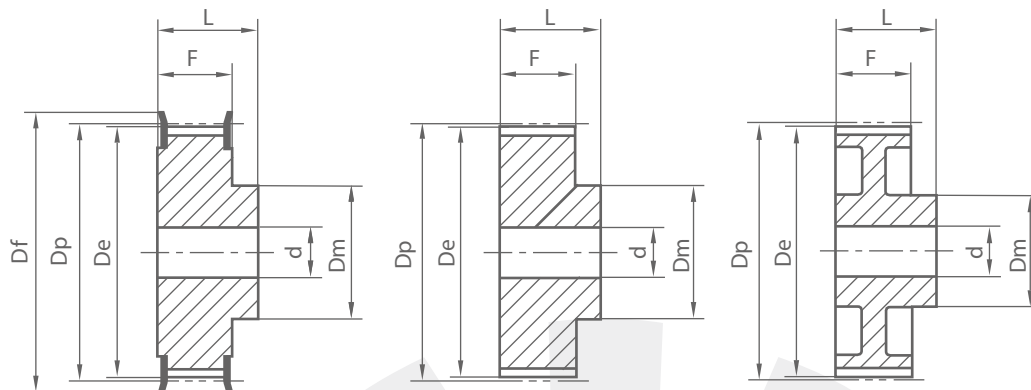


All series of specifications can be sold off-the shelf, immediate delivery. Fast and convenient. Please contact us directly.



Timing pulley

ISO5294-1989



1:C45/LY12

2:C45/LY12

3:C45/LY12

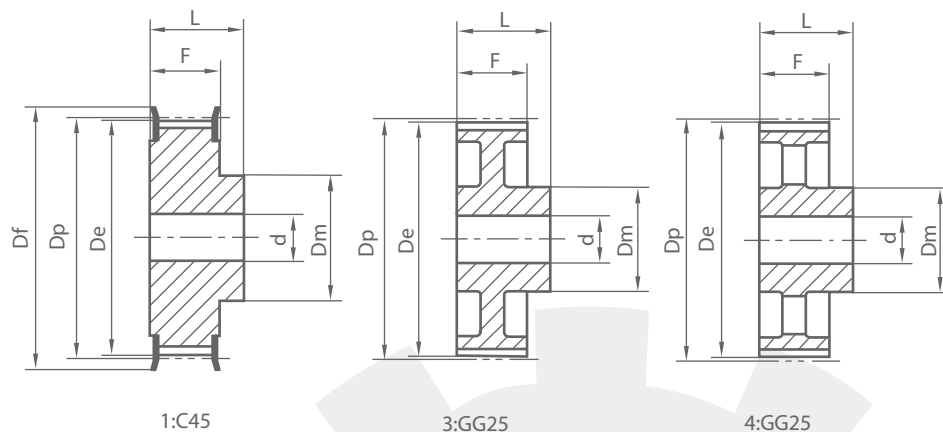
XL037 PITCH 1/5" (5.08mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|----|------|------|----|----|
| 10XL037F | 1 | 10 | 15.66 | 16.17 | 23 | 10.0 | 14.3 | 20 | — |
| 11XL037F | 1 | 11 | 17.28 | 17.79 | 23 | 10.0 | 14.3 | 20 | — |
| 12XL037F | 1 | 12 | 18.90 | 19.41 | 25 | 10.0 | 14.3 | 20 | — |
| 13XL037F | 1 | 13 | 20.51 | 21.02 | 28 | 10.0 | 14.3 | 20 | — |
| 14XL037F | 1 | 14 | 22.13 | 22.64 | 28 | 16.0 | 14.3 | 20 | — |
| 15XL037F | 1 | 15 | 23.75 | 24.26 | 28 | 16.0 | 14.3 | 20 | — |
| 16XL037F | 1 | 16 | 25.36 | 25.87 | 32 | 16.0 | 14.3 | 20 | — |
| 17XL037F | 1 | 17 | 26.98 | 27.49 | 35 | 20.0 | 14.3 | 20 | — |
| 18XL037F | 1 | 18 | 28.60 | 29.11 | 35 | 20.0 | 14.3 | 20 | — |
| 19XL037F | 1 | 19 | 30.22 | 30.73 | 38 | 20.0 | 14.3 | 22 | — |
| 20XL037F | 1 | 20 | 31.83 | 32.34 | 38 | 25.0 | 14.3 | 22 | — |
| 21XL037F | 1 | 21 | 33.45 | 33.96 | 38 | 25.0 | 14.3 | 22 | — |
| 22XL037F | 1 | 22 | 35.07 | 35.57 | 41 | 25.0 | 14.3 | 22 | — |
| 23XL037F* | 1 | 23 | 36.68 | 37.19 | 41 | 25.0 | 14.3 | 22 | — |
| 24XL037F | 1 | 24 | 38.30 | 38.81 | 44 | 30.0 | 14.3 | 22 | — |
| 25XL037F* | 1 | 25 | 39.92 | 40.43 | 44 | 30.0 | 14.3 | 22 | 8 |
| 26XL037F | 1 | 26 | 41.53 | 42.04 | 48 | 30.0 | 14.3 | 22 | 8 |
| 27XL037F | 1 | 27 | 43.15 | 43.66 | 48 | 34.0 | 14.3 | 22 | 8 |
| 28XL037F | 1 | 28 | 44.77 | 45.28 | 51 | 34.0 | 14.3 | 22 | 8 |
| 29XL037F* | 1 | 29 | 46.39 | 46.90 | 51 | 34.0 | 14.3 | 22 | 8 |
| 30XL037F | 1 | 30 | 48.00 | 48.51 | 54 | 38.0 | 14.3 | 22 | 8 |
| 32XL037F | 1 | 32 | 51.24 | 51.74 | 57 | 38.0 | 14.3 | 25 | 8 |
| 34XL037F | 1 | 34 | 54.47 | 54.98 | 61 | 38.0 | 14.3 | 25 | 8 |
| 35XL037F | 1 | 35 | 56.09 | 56.60 | 61 | 38.0 | 14.3 | 25 | 8 |
| 36XL037F | 2 | 36 | 57.70 | 58.21 | — | 45.0 | 14.3 | 25 | 8 |
| 38XL037F | 2 | 38 | 60.94 | 61.45 | — | 45.0 | 14.3 | 25 | 8 |
| 39XL037F* | 2 | 39 | 62.56 | 63.07 | — | 45.0 | 14.3 | 25 | 8 |
| 40XL037F | 2 | 40 | 64.17 | 64.68 | — | 45.0 | 14.3 | 25 | 8 |
| 42XL037F | 2 | 42 | 67.41 | 67.91 | — | 45.0 | 14.3 | 25 | 8 |
| 44XL037 | 2 | 44 | 70.64 | 71.15 | — | 45.0 | 14.3 | 25 | 8 |
| 45XL037* | 2 | 45 | 72.26 | 72.77 | — | 45.0 | 14.3 | 25 | 10 |
| 48XL037 | 2 | 48 | 77.11 | 77.62 | — | 45.0 | 14.3 | 25 | 10 |
| 52XL037 | 2 | 52 | 83.58 | 84.09 | — | 45.0 | 14.3 | 25 | 10 |
| 56XL037* | 2 | 56 | 90.04 | 90.55 | — | 45.0 | 14.3 | 25 | 10 |
| 57XL037* | 2 | 57 | 91.66 | 92.17 | — | 45.0 | 14.3 | 25 | 10 |
| 60XL037 | 2 | 60 | 96.51 | 97.02 | — | 45.0 | 14.3 | 25 | 10 |
| 68XL037* | 2 | 68 | 109.45 | 109.96 | — | 45.0 | 14.3 | 25 | 10 |
| 70XL037* | 2 | 70 | 112.68 | 113.19 | — | 45.0 | 14.3 | 25 | 10 |
| 72XL037 | 2 | 72 | 115.92 | 116.43 | — | 45.0 | 14.3 | 25 | 10 |

Timing pulley

ISO5294-1989

S^{tock}
B_{ore}

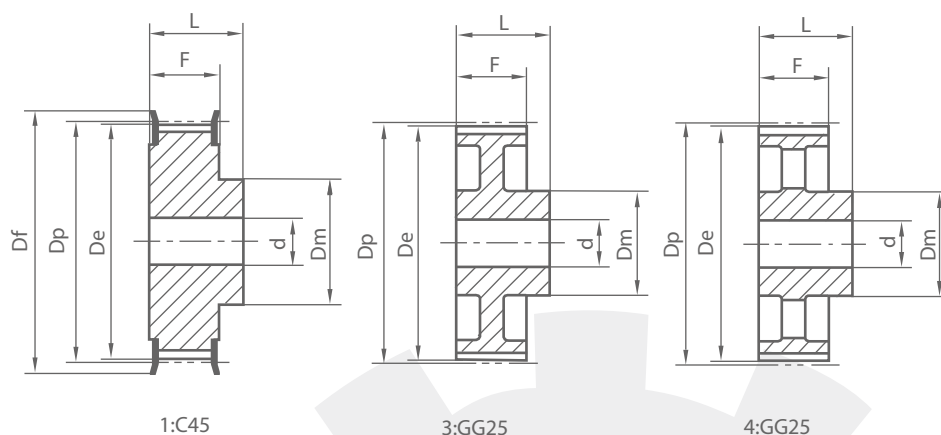


L050 PITCH 3/8" (9.525mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|---------|------|----|--------|--------|-----|----|----|----|----|
| 10L050F | 1 | 10 | 29.56 | 30.33 | 37 | 20 | 19 | 28 | 8 |
| 11L050F | 1 | 11 | 32.59 | 33.35 | 37 | 24 | 19 | 30 | 8 |
| 12L050F | 1 | 12 | 35.62 | 36.37 | 43 | 24 | 19 | 30 | 8 |
| 13L050F | 1 | 13 | 38.65 | 39.41 | 43 | 28 | 19 | 30 | 8 |
| 14L050F | 1 | 14 | 41.68 | 42.44 | 48 | 28 | 19 | 30 | 8 |
| 15L050F | 1 | 15 | 44.72 | 45.48 | 51 | 34 | 19 | 30 | 8 |
| 16L050F | 1 | 16 | 47.75 | 48.51 | 54 | 36 | 19 | 32 | 8 |
| 17L050F | 1 | 17 | 50.78 | 51.54 | 57 | 36 | 19 | 32 | 10 |
| 18L050F | 1 | 18 | 53.81 | 54.59 | 60 | 40 | 19 | 32 | 10 |
| 19L050F | 1 | 19 | 56.84 | 57.61 | 63 | 40 | 19 | 32 | 10 |
| 20L050F | 1 | 20 | 59.88 | 60.63 | 67 | 40 | 19 | 32 | 10 |
| 21L050F | 1 | 21 | 62.91 | 63.68 | 70 | 45 | 19 | 32 | 10 |
| 22L050F | 1 | 22 | 65.94 | 66.70 | 75 | 45 | 19 | 32 | 10 |
| 23L050F | 1 | 23 | 68.97 | 69.73 | 79 | 55 | 19 | 32 | 10 |
| 24L050F | 1 | 24 | 72.00 | 72.77 | 79 | 55 | 19 | 32 | 10 |
| 25L050F | 1 | 25 | 75.04 | 75.80 | 83 | 58 | 19 | 32 | 10 |
| 26L050F | 1 | 26 | 78.07 | 78.84 | 87 | 58 | 19 | 32 | 12 |
| 27L050F | 1 | 27 | 81.10 | 81.86 | 91 | 58 | 19 | 32 | 12 |
| 28L050F | 1 | 28 | 84.13 | 84.89 | 91 | 58 | 19 | 32 | 12 |
| 30L050F | 1 | 30 | 90.20 | 90.96 | 97 | 70 | 19 | 32 | 12 |
| 32L050F | 1 | 32 | 96.26 | 97.03 | 102 | 70 | 19 | 32 | 12 |
| 33L050F | 1 | 33 | 99.29 | 100.05 | 112 | 70 | 19 | 32 | 12 |
| 34L050F | 1 | 34 | 102.32 | 103.08 | 115 | 70 | 19 | 32 | 12 |
| 35L050F | 1 | 35 | 105.35 | 106.12 | 115 | 70 | 19 | 32 | 12 |
| 36L050F | 1 | 36 | 108.39 | 109.14 | 120 | 70 | 19 | 32 | 12 |
| 40L050F | 1 | 40 | 120.51 | 121.29 | 128 | 70 | 19 | 32 | 12 |
| 42L050F | 1 | 42 | 126.57 | 127.34 | 135 | 70 | 19 | 32 | 12 |
| 44L050F | 1 | 44 | 132.64 | 133.40 | 142 | 70 | 19 | 32 | 12 |
| 45L050F | 1 | 45 | 135.67 | 136.44 | 142 | 70 | 19 | 32 | 12 |
| 48L050F | 1 | 48 | 144.77 | 145.54 | 150 | 70 | 19 | 32 | 12 |
| 50L050 | 3 | 50 | 150.83 | 151.60 | — | 70 | 19 | 32 | 14 |
| 52L050 | 3 | 52 | 156.90 | 157.66 | — | 70 | 19 | 32 | 14 |
| 56L050 | 3 | 56 | 169.02 | 169.76 | — | 70 | 19 | 32 | 14 |
| 57L050 | 3 | 57 | 172.06 | 172.82 | — | 70 | 19 | 32 | 14 |
| 60L050 | 3 | 60 | 181.15 | 181.92 | — | 75 | 19 | 42 | 14 |
| 68L050* | 4 | 68 | 205.41 | 206.18 | — | 75 | 19 | 42 | 14 |
| 70L050* | 4 | 70 | 211.47 | 212.24 | — | 75 | 19 | 42 | 14 |
| 72L050 | 4 | 72 | 217.53 | 218.29 | — | 75 | 19 | 42 | 14 |
| 84L050 | 4 | 84 | 253.92 | 254.69 | — | 75 | 19 | 42 | 14 |
| 96L050 | 4 | 96 | 290.30 | 291.06 | — | 75 | 19 | 42 | 14 |

Timing pulley

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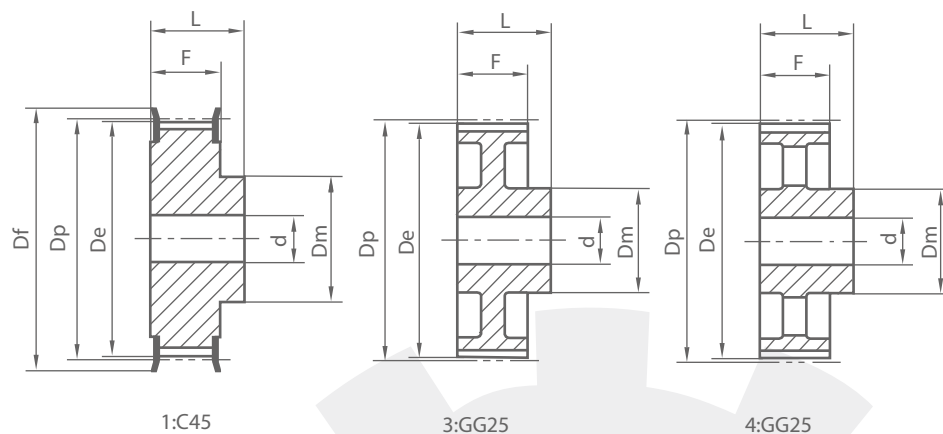


L075 PITCH 3/8" (9.525mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|----------|------|----|--------|--------|-----|----|------|----|----|
| 10L075F | 1 | 10 | 29.56 | 30.33 | 37 | 20 | 25.4 | 38 | 8 |
| 11L075F | 1 | 11 | 32.59 | 33.35 | 37 | 24 | 25.4 | 38 | 8 |
| 12L075F | 1 | 12 | 35.62 | 36.37 | 43 | 24 | 25.4 | 38 | 8 |
| 13L075F | 1 | 13 | 38.65 | 39.41 | 43 | 28 | 25.4 | 38 | 8 |
| 14L075F | 1 | 14 | 41.68 | 42.44 | 48 | 28 | 25.4 | 38 | 8 |
| 15L075F | 1 | 15 | 44.72 | 45.48 | 51 | 34 | 25.4 | 38 | 8 |
| 16L075F | 1 | 16 | 47.75 | 48.51 | 54 | 36 | 25.4 | 38 | 8 |
| 17L075F | 1 | 17 | 50.78 | 51.54 | 57 | 36 | 25.4 | 38 | 10 |
| 18L075F | 1 | 18 | 53.81 | 54.59 | 60 | 40 | 25.4 | 38 | 10 |
| 19L075F | 1 | 19 | 56.84 | 57.61 | 63 | 40 | 25.4 | 38 | 10 |
| 20L075F | 1 | 20 | 59.88 | 60.63 | 67 | 40 | 25.4 | 38 | 10 |
| 21L075F | 1 | 21 | 62.91 | 63.68 | 70 | 45 | 25.4 | 38 | 10 |
| 22L075F | 1 | 22 | 65.94 | 66.70 | 75 | 45 | 25.4 | 38 | 10 |
| 23L075F | 1 | 23 | 68.97 | 69.73 | 79 | 55 | 25.4 | 38 | 10 |
| 24L075F | 1 | 24 | 72.00 | 72.77 | 79 | 55 | 25.4 | 38 | 10 |
| 25L075F | 1 | 25 | 75.04 | 75.80 | 83 | 58 | 25.4 | 38 | 10 |
| 26L075F | 1 | 26 | 78.07 | 78.84 | 87 | 58 | 25.4 | 38 | 12 |
| 27L075F | 1 | 27 | 81.10 | 81.86 | 91 | 58 | 25.4 | 38 | 12 |
| 28L075F | 1 | 28 | 84.13 | 84.89 | 91 | 58 | 25.4 | 38 | 12 |
| 30L075F | 1 | 30 | 90.20 | 90.96 | 97 | 70 | 25.4 | 38 | 12 |
| 32L075F | 1 | 32 | 96.26 | 97.03 | 102 | 70 | 25.4 | 38 | 12 |
| 33L075F | 1 | 33 | 99.29 | 100.05 | 112 | 70 | 25.4 | 38 | 12 |
| 34L075F | 1 | 34 | 102.32 | 103.08 | 115 | 70 | 25.4 | 38 | 12 |
| 35L075F | 1 | 35 | 105.35 | 106.12 | 115 | 70 | 25.4 | 38 | 12 |
| 36L075F | 1 | 36 | 108.39 | 109.14 | 120 | 70 | 25.4 | 38 | 12 |
| 38L075F* | 1 | 38 | 114.46 | 115.22 | 120 | 70 | 25.4 | 38 | 12 |
| 40L075F | 1 | 40 | 120.51 | 121.29 | 128 | 70 | 25.4 | 38 | 12 |
| 42L075F | 1 | 42 | 126.57 | 127.34 | 135 | 70 | 25.4 | 38 | 12 |
| 44L075F | 1 | 44 | 132.64 | 133.40 | 142 | 70 | 25.4 | 38 | 12 |
| 45L075F | 1 | 45 | 135.67 | 136.44 | 142 | 70 | 25.4 | 38 | 12 |
| 48L075F | 1 | 48 | 144.77 | 145.54 | 150 | 70 | 25.4 | 38 | 12 |
| 50L075 | 3 | 50 | 150.83 | 151.60 | — | 70 | 25.4 | 38 | 14 |
| 52L075 | 3 | 52 | 156.90 | 157.66 | — | 70 | 25.4 | 38 | 14 |
| 56L075 | 3 | 56 | 169.02 | 169.79 | — | 70 | 25.4 | 38 | 14 |
| 57L075 | 3 | 57 | 172.06 | 172.82 | — | 70 | 25.4 | 38 | 14 |
| 60L075 | 3 | 60 | 181.15 | 181.92 | — | 75 | 25.4 | 45 | 14 |
| 70L075* | 4 | 70 | 211.47 | 212.23 | — | 75 | 25.4 | 45 | 14 |
| 72L075 | 4 | 72 | 217.53 | 218.29 | — | 75 | 25.4 | 45 | 14 |
| 84L075 | 4 | 84 | 253.92 | 254.69 | — | 75 | 25.4 | 45 | 14 |
| 96L075 | 4 | 96 | 290.30 | 291.06 | — | 75 | 25.4 | 45 | 14 |

Timing pulley

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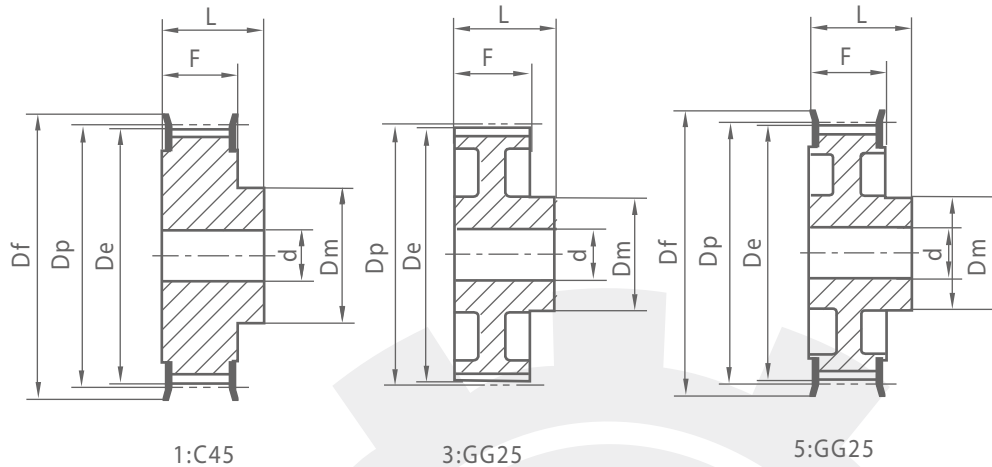


L100 PITCH 3/8" (9.525mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|---------|------|----|--------|--------|-----|----|------|----|----|
| 10L100F | 1 | 10 | 29.56 | 30.33 | 37 | 20 | 31.8 | 45 | 8 |
| 11L100F | 1 | 11 | 32.59 | 33.35 | 37 | 24 | 31.8 | 45 | 8 |
| 12L100F | 1 | 12 | 35.62 | 36.37 | 43 | 24 | 31.8 | 45 | 8 |
| 13L100F | 1 | 13 | 38.65 | 39.41 | 43 | 28 | 31.8 | 45 | 8 |
| 14L100F | 1 | 14 | 41.68 | 42.44 | 48 | 28 | 31.8 | 45 | 10 |
| 15L100F | 1 | 15 | 44.72 | 45.48 | 51 | 34 | 31.8 | 45 | 10 |
| 16L100F | 1 | 16 | 47.75 | 48.51 | 54 | 36 | 31.8 | 45 | 10 |
| 17L100F | 1 | 17 | 50.78 | 51.54 | 57 | 36 | 31.8 | 45 | 10 |
| 18L100F | 1 | 18 | 53.81 | 54.59 | 60 | 40 | 31.8 | 45 | 10 |
| 19L100F | 1 | 19 | 56.84 | 57.61 | 63 | 40 | 31.8 | 45 | 10 |
| 20L100F | 1 | 20 | 59.88 | 60.63 | 67 | 40 | 31.8 | 45 | 10 |
| 21L100F | 1 | 21 | 62.91 | 63.68 | 70 | 45 | 31.8 | 45 | 10 |
| 22L100F | 1 | 22 | 65.94 | 66.70 | 75 | 45 | 31.8 | 45 | 12 |
| 23L100F | 1 | 23 | 68.97 | 69.73 | 79 | 55 | 31.8 | 45 | 12 |
| 24L100F | 1 | 24 | 72.00 | 72.77 | 79 | 55 | 31.8 | 45 | 12 |
| 25L100F | 1 | 25 | 75.04 | 75.80 | 83 | 58 | 31.8 | 45 | 12 |
| 26L100F | 1 | 26 | 78.07 | 78.84 | 87 | 58 | 31.8 | 45 | 12 |
| 27L100F | 1 | 27 | 81.10 | 81.86 | 91 | 58 | 31.8 | 45 | 12 |
| 28L100F | 1 | 28 | 84.13 | 84.89 | 91 | 58 | 31.8 | 45 | 12 |
| 30L100F | 1 | 30 | 90.20 | 90.96 | 97 | 70 | 31.8 | 45 | 12 |
| 32L100F | 1 | 32 | 96.26 | 97.03 | 102 | 70 | 31.8 | 45 | 12 |
| 33L100F | 1 | 33 | 99.29 | 100.05 | 112 | 70 | 31.8 | 45 | 12 |
| 34L100F | 1 | 34 | 102.32 | 103.08 | 115 | 70 | 31.8 | 45 | 12 |
| 35L100F | 1 | 35 | 105.35 | 106.12 | 115 | 70 | 31.8 | 45 | 12 |
| 36L100F | 1 | 36 | 108.39 | 109.14 | 120 | 70 | 31.8 | 45 | 12 |
| 40L100F | 1 | 40 | 120.50 | 121.29 | 128 | 70 | 31.8 | 45 | 12 |
| 42L100F | 1 | 42 | 126.57 | 127.34 | 135 | 70 | 31.8 | 45 | 12 |
| 44L100F | 1 | 44 | 132.64 | 133.40 | 142 | 70 | 31.8 | 45 | 12 |
| 45L100F | 1 | 45 | 135.67 | 136.44 | 142 | 70 | 31.8 | 45 | 12 |
| 48L100F | 1 | 48 | 144.77 | 145.54 | 150 | 70 | 31.8 | 45 | 12 |
| 50L100 | 3 | 50 | 150.83 | 151.60 | — | 70 | 31.8 | 45 | 14 |
| 52L100 | 3 | 52 | 156.90 | 157.66 | — | 70 | 31.8 | 45 | 14 |
| 56L100 | 3 | 56 | 169.02 | 169.79 | — | 70 | 31.8 | 45 | 14 |
| 57L100 | 3 | 57 | 172.06 | 172.82 | — | 70 | 31.8 | 45 | 14 |
| 60L100 | 3 | 60 | 181.15 | 181.92 | — | 75 | 31.8 | 45 | 14 |
| 68L100* | 4 | 68 | 205.41 | 206.17 | — | 75 | 31.8 | 45 | 14 |
| 72L100 | 4 | 72 | 217.53 | 218.29 | — | 75 | 31.8 | 45 | 14 |
| 84L100 | 4 | 84 | 253.92 | 254.69 | — | 75 | 31.8 | 45 | 14 |
| 96L100 | 4 | 96 | 290.30 | 291.06 | — | 75 | 31.8 | 45 | 14 |

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ISO5294-1989

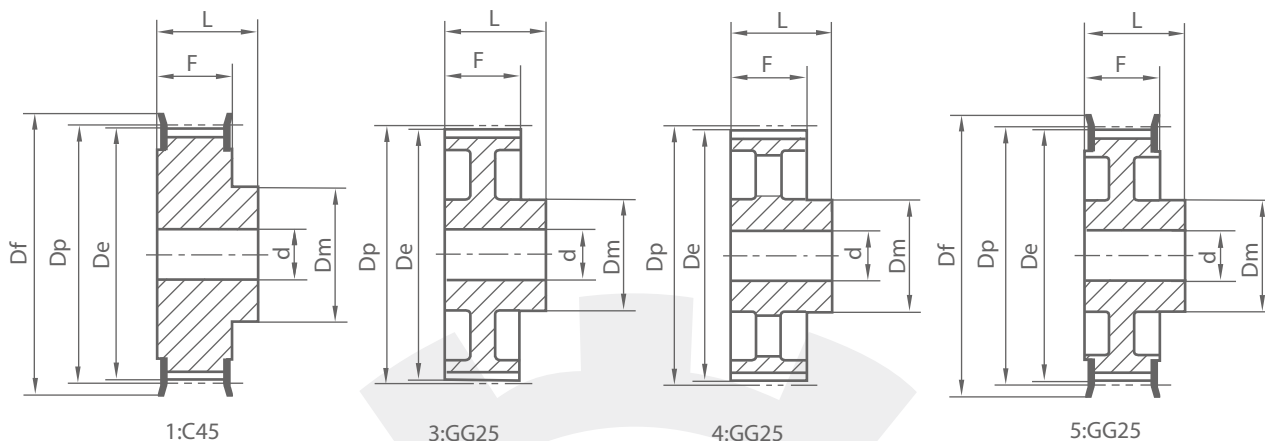


H075 PITCH 1/2" (12.70mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|----------|------|----|--------|--------|-----|----|------|----|----|
| 14H075F | 1 | 14 | 55.22 | 56.59 | 63 | 40 | 26.4 | 40 | 10 |
| 15H075F | 1 | 15 | 59.27 | 60.64 | 70 | 45 | 26.4 | 40 | 10 |
| 16H075F | 1 | 16 | 63.31 | 64.67 | 70 | 45 | 26.4 | 40 | 10 |
| 17H075F | 1 | 17 | 67.35 | 68.72 | 75 | 45 | 26.4 | 40 | 12 |
| 18H075F | 1 | 18 | 71.39 | 72.77 | 79 | 55 | 26.4 | 40 | 12 |
| 19H075F | 1 | 19 | 75.44 | 76.81 | 83 | 60 | 26.4 | 40 | 12 |
| 20H075F | 1 | 20 | 79.48 | 80.85 | 87 | 62 | 26.4 | 40 | 12 |
| 21H075F | 1 | 21 | 83.52 | 84.89 | 91 | 65 | 26.4 | 40 | 12 |
| 22H075F | 1 | 22 | 87.56 | 88.93 | 94 | 68 | 26.4 | 40 | 12 |
| 23H075F | 1 | 23 | 91.61 | 92.98 | 102 | 72 | 26.4 | 40 | 12 |
| 24H075F | 1 | 24 | 95.65 | 97.03 | 102 | 72 | 26.4 | 40 | 12 |
| 25H075F | 1 | 25 | 99.69 | 101.06 | 112 | 72 | 26.4 | 40 | 12 |
| 26H075F | 1 | 26 | 103.73 | 105.11 | 112 | 80 | 26.4 | 40 | 12 |
| 27H075F | 1 | 27 | 107.78 | 109.15 | 120 | 80 | 26.4 | 40 | 12 |
| 28H075F | 1 | 28 | 111.82 | 113.18 | 120 | 80 | 26.4 | 40 | 12 |
| 30H075F | 1 | 30 | 119.90 | 121.29 | 128 | 80 | 26.4 | 40 | 14 |
| 32H075F | 1 | 32 | 127.99 | 129.36 | 135 | 80 | 26.4 | 40 | 14 |
| 33H075F | 1 | 33 | 132.03 | 133.40 | 142 | 80 | 26.4 | 40 | 14 |
| 34H075F | 1 | 34 | 136.07 | 137.45 | 150 | 80 | 26.4 | 40 | 14 |
| 35H075F | 1 | 35 | 140.12 | 141.49 | 150 | 80 | 26.4 | 40 | 14 |
| 36H075F | 1 | 36 | 144.16 | 145.54 | 158 | 80 | 26.4 | 40 | 14 |
| 38H075F | 1 | 38 | 152.24 | 153.62 | 158 | 80 | 26.4 | 40 | 14 |
| 40H075F | 1 | 40 | 160.33 | 161.70 | 168 | 80 | 26.4 | 40 | 14 |
| 42H075F* | 1 | 42 | 168.41 | 169.79 | 175 | 80 | 26.4 | 40 | 12 |
| 44H075F | 5 | 44 | 176.50 | 177.88 | 184 | 80 | 26.4 | 40 | 14 |
| 48H075F | 5 | 48 | 192.67 | 194.03 | 200 | 90 | 26.4 | 45 | 14 |
| 50H075 | 3 | 50 | 200.75 | 202.13 | | 90 | 26.4 | 45 | 14 |

Timing pulley

ISO5294-1989

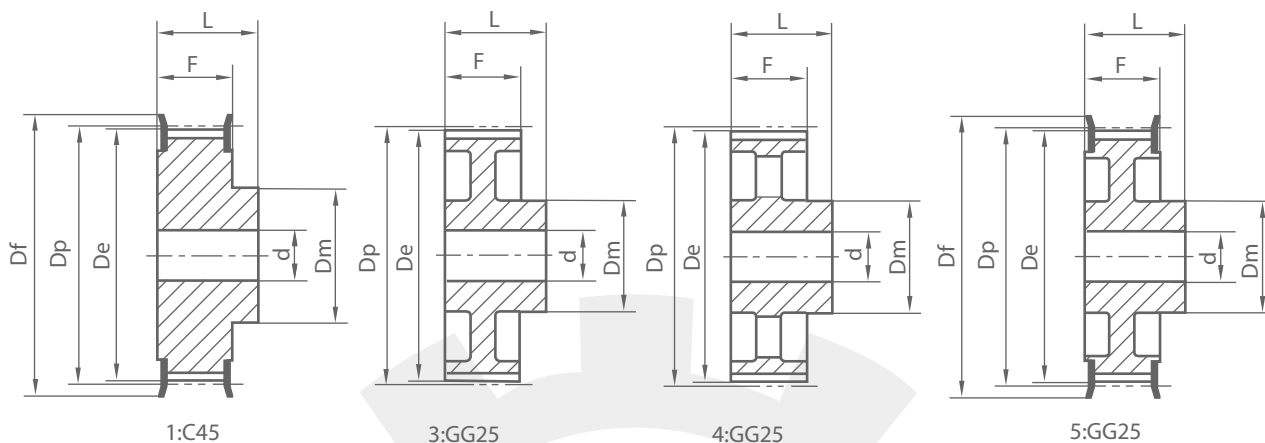


H100 PITCH 1/2" (12.70mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|----------|------|-----|--------|--------|-----|-----|------|----|----|
| 14H100F | 1 | 14 | 55.22 | 56.69 | 63 | 40 | 31.8 | 45 | 12 |
| 15H100F | 1 | 15 | 59.27 | 60.64 | 70 | 45 | 31.8 | 45 | 12 |
| 16H100F | 1 | 16 | 63.31 | 64.67 | 70 | 45 | 31.8 | 45 | 12 |
| 17H100F | 1 | 17 | 67.35 | 68.72 | 75 | 45 | 31.8 | 45 | 12 |
| 18H100F | 1 | 18 | 71.39 | 72.77 | 79 | 55 | 31.8 | 45 | 12 |
| 19H100F | 1 | 19 | 75.44 | 76.81 | 83 | 60 | 31.8 | 45 | 14 |
| 20H100F | 1 | 20 | 79.48 | 80.85 | 87 | 62 | 31.8 | 45 | 14 |
| 21H100F | 1 | 21 | 83.52 | 84.89 | 91 | 65 | 31.8 | 45 | 14 |
| 22H100F | 1 | 22 | 87.56 | 88.93 | 94 | 68 | 31.8 | 45 | 14 |
| 23H100F | 1 | 23 | 91.61 | 92.98 | 102 | 72 | 31.8 | 45 | 14 |
| 24H100F | 1 | 24 | 95.65 | 97.03 | 102 | 72 | 31.8 | 45 | 14 |
| 25H100F | 1 | 25 | 99.69 | 101.06 | 112 | 72 | 31.8 | 45 | 14 |
| 26H100F | 1 | 26 | 103.73 | 105.11 | 112 | 80 | 31.8 | 45 | 14 |
| 27H100F | 1 | 27 | 107.78 | 109.15 | 120 | 80 | 31.8 | 45 | 14 |
| 28H100F | 1 | 28 | 111.82 | 113.18 | 120 | 80 | 31.8 | 45 | 14 |
| 29H100F | 1 | 29 | 115.86 | 117.23 | 120 | 80 | 31.8 | 45 | 14 |
| 30H100F | 1 | 30 | 119.90 | 121.29 | 128 | 80 | 31.8 | 45 | 14 |
| 32H100F | 1 | 32 | 127.99 | 129.36 | 135 | 80 | 31.8 | 45 | 14 |
| 33H100F | 1 | 33 | 132.03 | 133.40 | 142 | 80 | 31.8 | 45 | 14 |
| 34H100F | 1 | 34 | 136.07 | 137.45 | 150 | 80 | 31.8 | 45 | 14 |
| 35H100F | 1 | 35 | 140.12 | 141.49 | 150 | 80 | 31.8 | 45 | 14 |
| 36H100F | 1 | 36 | 144.16 | 145.54 | 158 | 80 | 31.8 | 45 | 14 |
| 38H100F | 1 | 38 | 152.24 | 153.62 | 158 | 80 | 31.8 | 45 | 14 |
| 40H100F | 1 | 40 | 160.33 | 161.70 | 168 | 80 | 31.8 | 45 | 14 |
| 42H100F* | 1 | 42 | 168.41 | 169.79 | 175 | 80 | 31.8 | 45 | 14 |
| 44H100F | 5 | 44 | 176.50 | 177.88 | 184 | 80 | 31.8 | 50 | 18 |
| 45H100F | 5 | 45 | 180.54 | 181.91 | 192 | 80 | 31.8 | 50 | 18 |
| 48H100F | 5 | 48 | 192.67 | 194.03 | 200 | 90 | 31.8 | 50 | 18 |
| 50H100 | 3 | 50 | 200.75 | 202.13 | — | 90 | 31.8 | 50 | 18 |
| 52H100 | 3 | 52 | 208.84 | 210.21 | — | 90 | 31.8 | 50 | 18 |
| 57H100* | 4 | 57 | 229.05 | 230.42 | — | 90 | 31.8 | 50 | 18 |
| 58H100 | 4 | 58 | 233.09 | 234.47 | — | 90 | 31.8 | 50 | 18 |
| 60H100 | 4 | 60 | 241.18 | 242.55 | — | 100 | 31.8 | 50 | 18 |
| 68H100* | 4 | 68 | 273.53 | 274.90 | — | 100 | 31.8 | 55 | 18 |
| 70H100 | 4 | 70 | 281.61 | 282.98 | — | 100 | 31.8 | 55 | 18 |
| 72H100 | 4 | 72 | 289.69 | 291.06 | — | 120 | 31.8 | 55 | 18 |
| 84H100 | 4 | 84 | 338.20 | 339.57 | — | 120 | 31.8 | 55 | 18 |
| 96H100 | 4 | 96 | 386.71 | 388.09 | — | 120 | 31.8 | 60 | 18 |
| 120H100 | 4 | 120 | 483.73 | 485.12 | — | 120 | 31.8 | 60 | 18 |
| 150H100* | 4 | 150 | 605.01 | 606.38 | — | 120 | 31.8 | 60 | 18 |

Timing pulley

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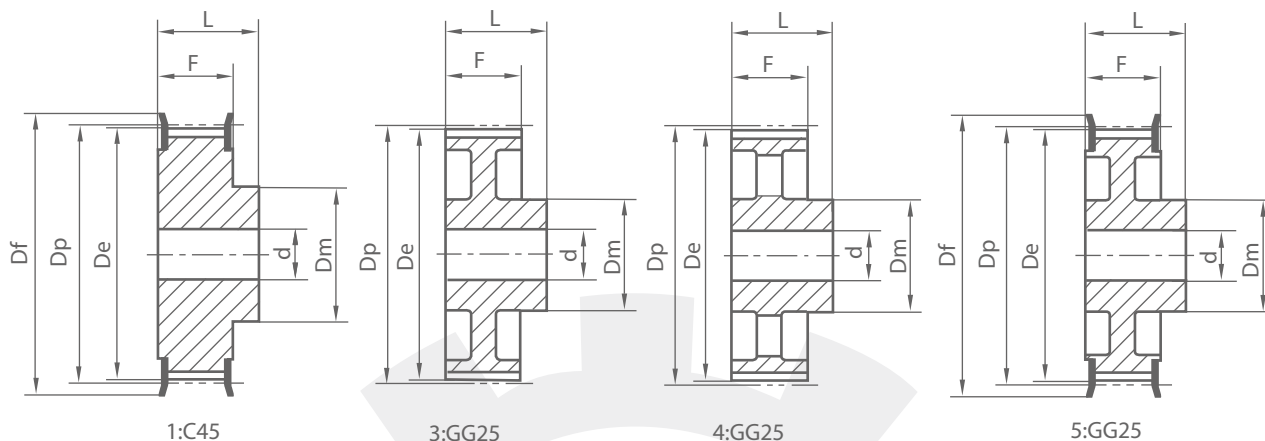


H150 PITCH 1/2" (12.70mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|----------|------|-----|--------|--------|-----|-----|------|----|----|
| 14H150F | 1 | 14 | 55.22 | 56.59 | 63 | 42 | 46.0 | 58 | 18 |
| 15H150F | 1 | 15 | 59.27 | 60.64 | 70 | 45 | 46.0 | 58 | 18 |
| 16H160F | 1 | 16 | 63.31 | 64.67 | 70 | 45 | 46.0 | 58 | 18 |
| 17H150F | 1 | 17 | 67.35 | 68.72 | 75 | 45 | 46.0 | 58 | 18 |
| 18H150F | 1 | 18 | 71.39 | 72.77 | 79 | 55 | 46.0 | 58 | 18 |
| 19H150F | 1 | 19 | 75.44 | 76.81 | 83 | 60 | 46.0 | 58 | 18 |
| 20H150F | 1 | 20 | 79.48 | 80.85 | 87 | 62 | 46.0 | 58 | 18 |
| 21H150F | 1 | 21 | 83.52 | 84.89 | 91 | 65 | 46.0 | 58 | 18 |
| 22H150F | 1 | 22 | 87.56 | 88.93 | 94 | 68 | 46.0 | 58 | 18 |
| 23H150F | 1 | 23 | 91.61 | 92.98 | 102 | 72 | 46.0 | 58 | 18 |
| 24H150F | 1 | 24 | 95.65 | 97.03 | 102 | 72 | 46.0 | 58 | 18 |
| 25H150F | 1 | 25 | 99.69 | 101.06 | 112 | 72 | 46.0 | 58 | 18 |
| 26H150F | 1 | 26 | 103.73 | 105.11 | 112 | 80 | 46.0 | 58 | 18 |
| 27H150F | 1 | 27 | 107.78 | 109.15 | 120 | 80 | 46.0 | 58 | 18 |
| 28H150F | 1 | 28 | 111.82 | 113.18 | 120 | 80 | 46.0 | 58 | 18 |
| 29H150F | 1 | 29 | 115.86 | 117.23 | 120 | 80 | 46.0 | 58 | 18 |
| 30H150F | 1 | 30 | 119.90 | 121.29 | 128 | 80 | 46.0 | 58 | 18 |
| 32H150F | 1 | 32 | 127.99 | 129.36 | 135 | 80 | 46.0 | 58 | 18 |
| 33H150F | 1 | 33 | 132.03 | 133.40 | 142 | 80 | 46.0 | 58 | 18 |
| 34H150F | 1 | 34 | 136.07 | 137.45 | 150 | 80 | 46.0 | 58 | 18 |
| 35H150F | 1 | 35 | 140.12 | 141.49 | 150 | 80 | 46.0 | 58 | 18 |
| 36H150F | 1 | 36 | 144.16 | 145.54 | 158 | 80 | 46.0 | 58 | 18 |
| 38H150F | 1 | 38 | 152.24 | 153.62 | 158 | 80 | 46.0 | 58 | 18 |
| 40H150F | 1 | 40 | 160.33 | 161.70 | 168 | 80 | 46.0 | 58 | 18 |
| 42H150F | 1 | 42 | 168.41 | 169.79 | 175 | 80 | 46.0 | 58 | 18 |
| 44H150 | 5 | 44 | 176.50 | 177.87 | 184 | 80 | 46.0 | 58 | 18 |
| 45H150F | 5 | 45 | 180.54 | 181.91 | 192 | 80 | 46.0 | 58 | 18 |
| 48H150F | 5 | 48 | 192.67 | 194.03 | 200 | 90 | 46.0 | 65 | 18 |
| 50H150 | 3 | 50 | 200.75 | 202.13 | — | 90 | 46.0 | 65 | 18 |
| 52H150 | 3 | 52 | 208.84 | 210.21 | — | 90 | 46.0 | 65 | 18 |
| 57H150* | 4 | 57 | 229.05 | 230.43 | — | 90 | 46.0 | 65 | 18 |
| 58H150 | 4 | 58 | 233.09 | 234.47 | — | 90 | 46.0 | 65 | 18 |
| 60H150 | 4 | 60 | 241.18 | 242.55 | — | 100 | 46.0 | 65 | 18 |
| 68H150* | 4 | 68 | 273.53 | 274.91 | — | 100 | 46.0 | 65 | 24 |
| 70H150 | 4 | 70 | 281.61 | 282.98 | — | 100 | 46.0 | 65 | 24 |
| 72H150 | 4 | 72 | 289.69 | 291.06 | — | 120 | 46.0 | 65 | 24 |
| 84H150 | 4 | 84 | 338.20 | 339.57 | — | 120 | 46.0 | 65 | 24 |
| 96H150 | 4 | 96 | 386.71 | 388.09 | — | 120 | 46.0 | 65 | 24 |
| 120H150 | 4 | 120 | 483.73 | 485.12 | — | 120 | 46.0 | 65 | 24 |
| 150H150* | 4 | 150 | 605.01 | 606.38 | — | 120 | 46.0 | 65 | 24 |

Timing pulley

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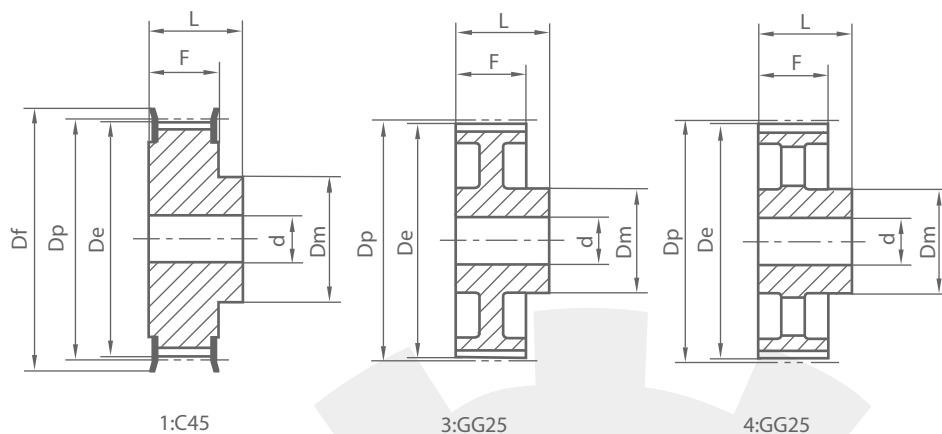


H200 PITCH 1/2" (12.70mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|----------|------|-----|--------|--------|-----|-----|------|----|----|
| 14H200F | 1 | 14 | 55.22 | 56.59 | 63 | 40 | 58.7 | 70 | 18 |
| 15H200F | 1 | 15 | 59.27 | 60.64 | 70 | 45 | 58.7 | 70 | 18 |
| 16H200F | 1 | 16 | 63.31 | 64.67 | 70 | 45 | 58.7 | 70 | 18 |
| 17H200F | 1 | 17 | 67.35 | 68.72 | 75 | 45 | 58.7 | 70 | 18 |
| 18H200F | 1 | 18 | 71.39 | 72.77 | 79 | 55 | 58.7 | 70 | 18 |
| 19H200F | 1 | 19 | 75.44 | 76.81 | 83 | 60 | 58.7 | 70 | 18 |
| 20H200F | 1 | 20 | 79.48 | 80.85 | 87 | 62 | 58.7 | 70 | 18 |
| 21H200F | 1 | 21 | 83.52 | 84.89 | 91 | 65 | 58.7 | 70 | 18 |
| 22H200F | 1 | 22 | 87.56 | 88.93 | 94 | 68 | 58.7 | 70 | 18 |
| 23H200F | 1 | 23 | 91.61 | 92.98 | 102 | 72 | 58.7 | 70 | 18 |
| 24H200F | 1 | 24 | 95.65 | 97.03 | 102 | 72 | 58.7 | 70 | 18 |
| 25H200F | 1 | 25 | 99.69 | 101.06 | 112 | 72 | 58.7 | 70 | 18 |
| 26H200F | 1 | 26 | 103.73 | 105.11 | 112 | 80 | 58.7 | 70 | 18 |
| 27H200F | 1 | 27 | 107.78 | 109.15 | 120 | 80 | 58.7 | 70 | 18 |
| 28H200F | 1 | 28 | 111.82 | 113.18 | 120 | 80 | 58.7 | 70 | 18 |
| 29H200F | 1 | 29 | 115.86 | 117.23 | 120 | 80 | 58.7 | 70 | 18 |
| 30H200F | 1 | 30 | 119.90 | 121.29 | 128 | 80 | 58.7 | 70 | 18 |
| 32H200F | 1 | 32 | 127.99 | 129.36 | 135 | 80 | 58.7 | 70 | 18 |
| 33H200F | 1 | 33 | 132.03 | 133.40 | 142 | 80 | 58.7 | 70 | 18 |
| 34H200F | 1 | 34 | 136.07 | 137.45 | 150 | 80 | 58.7 | 70 | 18 |
| 35H200F | 1 | 35 | 140.12 | 141.49 | 150 | 80 | 58.7 | 70 | 18 |
| 36H200F | 1 | 36 | 144.16 | 145.54 | 158 | 80 | 58.7 | 70 | 18 |
| 38H200F | 1 | 38 | 152.24 | 153.62 | 158 | 80 | 58.7 | 70 | 18 |
| 40H200F | 1 | 40 | 160.33 | 161.70 | 168 | 80 | 58.7 | 70 | 18 |
| 42H200F* | 1 | 42 | 168.41 | 169.79 | 175 | 80 | 58.7 | 70 | 18 |
| 44H200F | 5 | 44 | 176.50 | 177.88 | 184 | 80 | 58.7 | 70 | 18 |
| 45H200F | 5 | 45 | 180.54 | 181.91 | 192 | 80 | 58.7 | 70 | 18 |
| 48H200F | 5 | 48 | 192.67 | 194.03 | 200 | 90 | 58.7 | 75 | 24 |
| 50H200 | 3 | 50 | 200.75 | 202.13 | — | 90 | 58.7 | 75 | 24 |
| 52H200 | 3 | 52 | 208.84 | 210.21 | — | 90 | 58.7 | 75 | 24 |
| 57H200* | 4 | 57 | 229.05 | 230.42 | — | 90 | 58.7 | 75 | 24 |
| 58H200 | 4 | 58 | 233.09 | 234.47 | — | 90 | 58.7 | 75 | 24 |
| 60H200 | 4 | 60 | 241.18 | 242.55 | — | 100 | 58.7 | 75 | 24 |
| 68H200* | 4 | 68 | 273.53 | 274.90 | — | 100 | 58.7 | 75 | 28 |
| 70H200 | 4 | 70 | 281.61 | 282.98 | — | 100 | 58.7 | 75 | 28 |
| 72H200 | 4 | 72 | 289.69 | 291.06 | — | 120 | 58.7 | 75 | 28 |
| 84H200 | 4 | 84 | 338.20 | 339.57 | — | 120 | 58.7 | 75 | 28 |
| 96H200 | 4 | 96 | 386.71 | 388.09 | — | 120 | 58.7 | 75 | 28 |
| 120H200 | 4 | 120 | 483.73 | 485.12 | — | 120 | 58.7 | 75 | 28 |
| 150H200* | 4 | 150 | 605.01 | 606.38 | — | 120 | 58.7 | 75 | 28 |

Timing pulley

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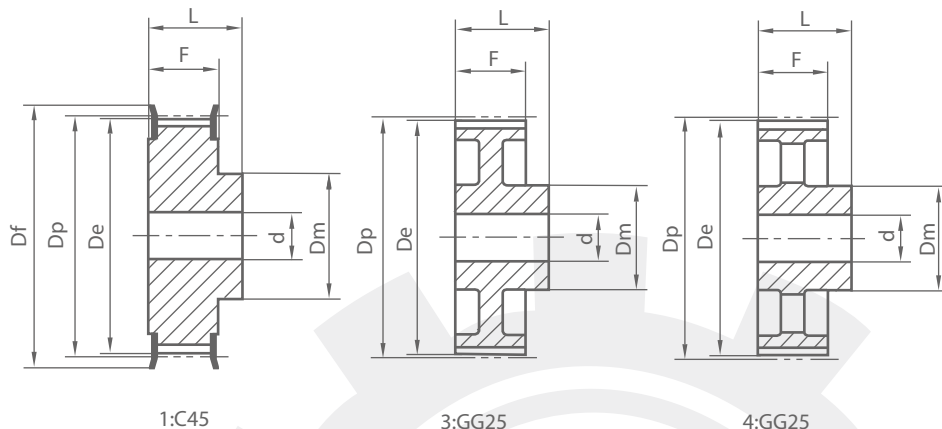


H300 PITCH 1/2" (12.70mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|----------|------|-----|--------|--------|-----|-----|------|-----|----|
| 14H300F | 1 | 14 | 55.22 | 56.59 | 63 | 40 | 85.7 | 100 | 18 |
| 15H300F | 1 | 15 | 59.27 | 60.64 | 70 | 45 | 85.7 | 100 | 18 |
| 16H300F | 1 | 16 | 63.31 | 64.67 | 70 | 45 | 85.7 | 100 | 18 |
| 17H300F | 1 | 17 | 67.35 | 68.72 | 75 | 45 | 85.7 | 100 | 18 |
| 18H300F | 1 | 18 | 71.39 | 72.77 | 79 | 55 | 85.7 | 100 | 18 |
| 19H300F | 1 | 19 | 75.44 | 76.81 | 83 | 60 | 85.7 | 100 | 18 |
| 20H300F | 1 | 20 | 79.48 | 80.85 | 87 | 62 | 85.7 | 100 | 18 |
| 21H300F | 1 | 21 | 83.52 | 84.89 | 91 | 65 | 85.7 | 100 | 18 |
| 22H300F | 1 | 22 | 87.56 | 88.93 | 94 | 68 | 85.7 | 100 | 18 |
| 23H300F | 1 | 23 | 91.61 | 92.98 | 102 | 72 | 85.7 | 100 | 18 |
| 24H300F | 1 | 24 | 95.65 | 97.03 | 102 | 72 | 85.7 | 100 | 18 |
| 25H300F | 1 | 25 | 99.69 | 101.06 | 112 | 72 | 85.7 | 100 | 18 |
| 26H300F | 1 | 26 | 103.73 | 105.11 | 112 | 80 | 85.7 | 100 | 18 |
| 27H300F | 1 | 27 | 107.78 | 109.15 | 120 | 80 | 85.7 | 100 | 18 |
| 28H300F | 1 | 28 | 111.82 | 113.18 | 120 | 80 | 85.7 | 100 | 18 |
| 30H300F | 1 | 30 | 119.90 | 121.29 | 128 | 80 | 85.7 | 100 | 18 |
| 32H300F | 1 | 32 | 127.99 | 129.36 | 135 | 80 | 85.7 | 100 | 18 |
| 33H300F | 1 | 33 | 132.03 | 133.40 | 142 | 80 | 85.7 | 100 | 18 |
| 34H300F | 1 | 34 | 136.07 | 137.45 | 150 | 80 | 85.7 | 100 | 18 |
| 35H300F | 1 | 35 | 140.12 | 141.49 | 150 | 80 | 85.7 | 100 | 18 |
| 36H300F | 1 | 36 | 144.16 | 145.54 | 158 | 80 | 85.7 | 100 | 18 |
| 38H300F | 1 | 38 | 152.24 | 153.62 | 158 | 80 | 85.7 | 100 | 18 |
| 40H300F | 1 | 40 | 160.33 | 161.70 | 168 | 80 | 85.7 | 100 | 18 |
| 42H300F* | 1 | 42 | 168.41 | 169.79 | 175 | 80 | 85.7 | 100 | 24 |
| 44H300 | 3 | 44 | 176.50 | 177.88 | — | 80 | 85.7 | 100 | 24 |
| 45H300* | 3 | 45 | 180.54 | 181.91 | — | 90 | 85.7 | 100 | 24 |
| 48H300 | 3 | 48 | 192.67 | 194.03 | — | 90 | 85.7 | 100 | 24 |
| 50H300 | 3 | 50 | 200.75 | 202.13 | — | 90 | 85.7 | 100 | 24 |
| 52H300 | 3 | 52 | 208.84 | 210.21 | — | 90 | 85.7 | 100 | 24 |
| 57H300 | 4 | 57 | 229.09 | 230.47 | — | 90 | 85.7 | 100 | 24 |
| 58H300 | 4 | 58 | 233.09 | 234.47 | — | 90 | 85.7 | 100 | 24 |
| 60H300 | 4 | 60 | 241.18 | 242.55 | — | 100 | 85.7 | 100 | 24 |
| 70H300 | 4 | 70 | 281.61 | 282.98 | — | 120 | 85.7 | 100 | 30 |
| 72H300 | 4 | 72 | 289.69 | 291.06 | — | 120 | 85.7 | 100 | 28 |
| 84H300 | 4 | 84 | 338.20 | 339.57 | — | 120 | 85.7 | 100 | 28 |
| 96H300 | 4 | 96 | 386.71 | 388.09 | — | 120 | 85.7 | 100 | 28 |
| 120H300 | 4 | 120 | 483.73 | 485.12 | — | 120 | 85.7 | 100 | 28 |
| 150H300 | 4 | 150 | 605.01 | 606.38 | — | 120 | 85.7 | 100 | 30 |
| 156H300 | 4 | 156 | 629.26 | 630.64 | — | 120 | 85.7 | 100 | 30 |

Timing pulley

ISO5294-1989



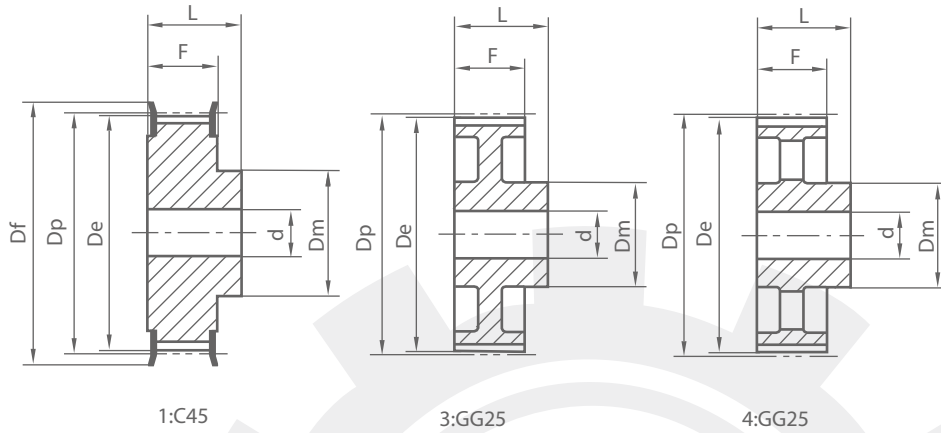
XH200 PITCH 7/8" (22.22mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|----|-----|----|
| 18XH200F | 1 | 18 | 124.55 | 127.34 | 150 | 100 | 65 | 80 | 24 |
| 19XH200F | 1 | 19 | 131.62 | 134.41 | 158 | 100 | 65 | 80 | 24 |
| 20XH200F | 1 | 20 | 138.70 | 141.49 | 168 | 100 | 65 | 80 | 24 |
| 21XH200F | 1 | 21 | 145.77 | 148.56 | 168 | 110 | 65 | 80 | 24 |
| 22XH200F | 1 | 22 | 152.84 | 155.64 | 175 | 110 | 65 | 80 | 24 |
| 23XH200F* | 1 | 23 | 159.91 | 162.70 | 175 | 120 | 65 | 80 | 24 |
| 24XH200F | 1 | 24 | 166.99 | 169.79 | 192 | 120 | 65 | 80 | 24 |
| 25XH200F | 1 | 25 | 174.07 | 176.86 | 200 | 120 | 65 | 80 | 24 |
| 26XH200F | 1 | 26 | 181.14 | 183.93 | 205 | 120 | 65 | 80 | 24 |
| 27XH200F | 1 | 27 | 188.22 | 191.01 | 205 | 120 | 65 | 80 | 24 |
| 28XH200F | 1 | 28 | 195.29 | 198.09 | 211 | 120 | 65 | 80 | 24 |
| 30XH200F | 1 | 30 | 209.44 | 212.23 | 226 | 120 | 65 | 80 | 24 |
| 32XH200F | 1 | 32 | 223.59 | 226.38 | 240 | 120 | 65 | 80 | 24 |
| 34XH200F | 1 | 34 | 237.74 | 240.53 | 256 | 120 | 65 | 80 | 24 |
| 38XH200* | 3 | 38 | 266.03 | 268.83 | — | 150 | 65 | 80 | 28 |
| 40XH200* | 3 | 40 | 280.18 | 282.98 | — | 150 | 65 | 100 | 28 |
| 46XH200* | 4 | 46 | 322.63 | 325.42 | — | 150 | 65 | 100 | 28 |
| 48XH200* | 4 | 48 | 336.78 | 339.57 | — | 150 | 65 | 100 | 28 |
| 57XH200* | 4 | 57 | 400.45 | 403.24 | — | 150 | 65 | 100 | 28 |
| 58XH200* | 4 | 58 | 407.52 | 410.32 | — | 150 | 65 | 100 | 28 |
| 60XH200* | 4 | 60 | 421.67 | 424.47 | — | 150 | 65 | 100 | 28 |
| 70XH200* | 4 | 70 | 492.42 | 495.21 | — | 150 | 65 | 100 | 28 |
| 72XH200* | 4 | 72 | 506.56 | 509.36 | — | 160 | 65 | 100 | 30 |
| 78XH200* | 4 | 78 | 549.01 | 551.81 | — | 160 | 65 | 100 | 30 |
| 80XH200* | 4 | 80 | 563.16 | 565.95 | — | 160 | 65 | 100 | 30 |
| 82XH200* | 4 | 82 | 577.31 | 580.10 | — | 160 | 65 | 100 | 30 |
| 84XH200* | 4 | 84 | 591.46 | 594.25 | — | 160 | 65 | 100 | 30 |
| 94XH200* | 4 | 94 | 662.20 | 665.00 | — | 160 | 65 | 100 | 30 |
| 96XH200* | 4 | 96 | 676.35 | 679.15 | — | 160 | 65 | 100 | 30 |
| 118XH200* | 4 | 118 | 831.99 | 834.78 | — | 160 | 65 | 100 | 30 |
| 120XH200* | 4 | 120 | 846.14 | 848.93 | — | 160 | 65 | 100 | 30 |

Timing pulley

ISO5294-1989

S_{tock}
B_{ore}

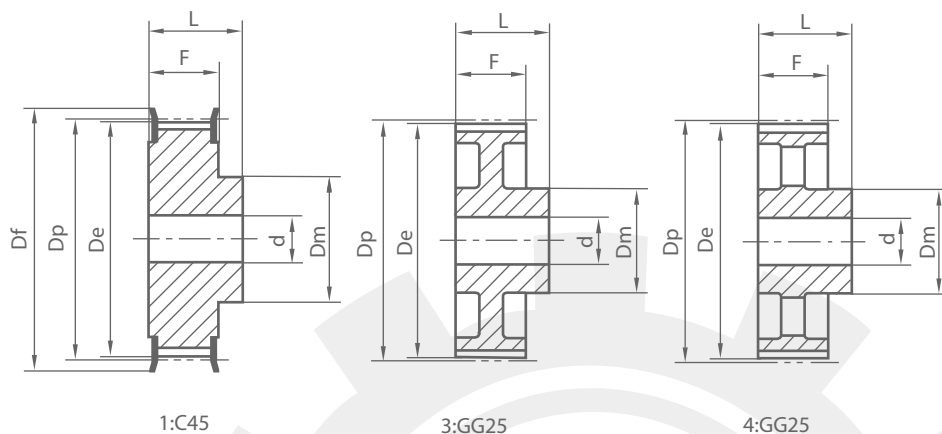


XH300 PITCH 7/8" (22.22mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|----|-----|----|
| 18XH300F | 1 | 18 | 124.55 | 127.34 | 150 | 100 | 92 | 110 | 28 |
| 19XH300F | 1 | 19 | 131.62 | 134.41 | 158 | 100 | 92 | 110 | 28 |
| 20XH300F | 1 | 20 | 138.69 | 141.49 | 168 | 100 | 92 | 110 | 28 |
| 21XH300F | 1 | 21 | 145.77 | 148.56 | 168 | 110 | 92 | 110 | 28 |
| 22XH300F | 1 | 22 | 152.84 | 155.64 | 175 | 110 | 92 | 110 | 28 |
| 23XH300F* | 1 | 23 | 159.91 | 162.70 | 175 | 120 | 92 | 110 | 28 |
| 24XH300F | 1 | 24 | 166.99 | 169.79 | 192 | 120 | 92 | 110 | 28 |
| 25XH300F | 1 | 25 | 174.07 | 176.86 | 200 | 120 | 92 | 110 | 28 |
| 26XH300F | 1 | 26 | 181.14 | 183.93 | 205 | 120 | 92 | 110 | 28 |
| 27XH300F | 1 | 27 | 188.22 | 191.01 | 205 | 120 | 92 | 110 | 28 |
| 28XH300F | 1 | 28 | 195.29 | 198.09 | 211 | 150 | 92 | 110 | 28 |
| 30XH300F | 1 | 30 | 209.44 | 212.23 | 226 | 150 | 92 | 110 | 28 |
| 32XH300F | 1 | 32 | 223.59 | 226.38 | 240 | 150 | 92 | 110 | 28 |
| 34XH300F | 1 | 34 | 237.74 | 240.53 | 256 | 150 | 92 | 110 | 28 |
| 38XH300* | 3 | 38 | 266.03 | 268.83 | — | 150 | 92 | 120 | 30 |
| 40XH300* | 3 | 40 | 280.18 | 282.98 | — | 150 | 92 | 120 | 30 |
| 46XH300* | 4 | 46 | 322.63 | 325.42 | — | 175 | 92 | 120 | 30 |
| 48XH300* | 4 | 48 | 336.78 | 339.57 | — | 175 | 92 | 120 | 30 |
| 58XH300* | 4 | 58 | 407.52 | 410.32 | — | 175 | 92 | 120 | 30 |
| 60XH300* | 4 | 60 | 421.67 | 424.47 | — | 175 | 92 | 120 | 30 |
| 70XH300* | 4 | 70 | 492.42 | 495.21 | — | 175 | 92 | 120 | 30 |
| 72XH300* | 4 | 72 | 506.56 | 509.36 | — | 175 | 92 | 120 | 30 |
| 78XH300* | 4 | 78 | 549.01 | 551.81 | — | 175 | 92 | 120 | 30 |
| 80XH300* | 4 | 80 | 563.16 | 565.95 | — | 175 | 92 | 120 | 30 |
| 82XH300* | 4 | 82 | 577.31 | 580.10 | — | 175 | 92 | 120 | 30 |
| 84XH300* | 4 | 84 | 591.46 | 594.25 | — | 175 | 92 | 120 | 30 |
| 94XH300* | 4 | 94 | 662.20 | 665.00 | — | 175 | 92 | 120 | 30 |
| 96XH300* | 4 | 96 | 676.35 | 679.15 | — | 175 | 92 | 120 | 30 |
| 118XH300* | 4 | 118 | 831.99 | 834.78 | — | 175 | 92 | 120 | 30 |
| 120XH300* | 4 | 120 | 846.14 | 848.93 | — | 175 | 92 | 120 | 30 |

Timing pulley

ISO5294-1989



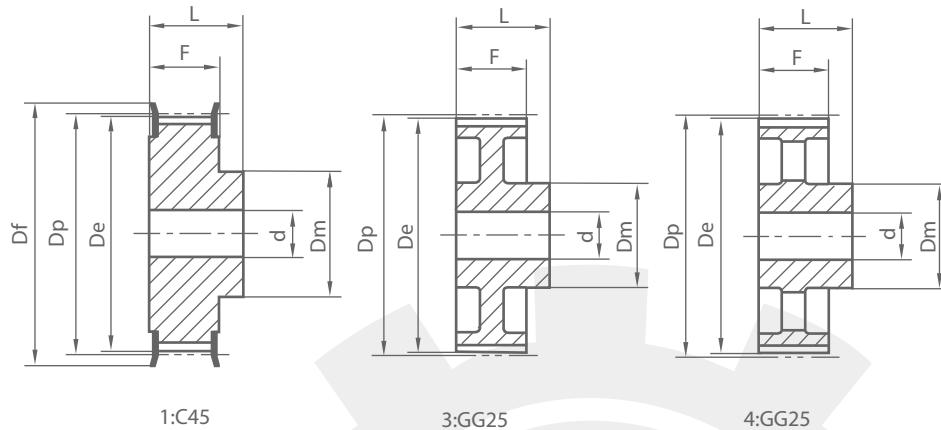
XH400 PITCH 7/8"(22.22mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|-----|-----|----|
| 18XH400F | 1 | 18 | 124.55 | 127.34 | 150 | 100 | 119 | 132 | 32 |
| 19XH400F | 1 | 19 | 131.62 | 134.41 | 158 | 100 | 119 | 132 | 32 |
| 20XH400F | 1 | 20 | 138.69 | 141.49 | 168 | 100 | 119 | 132 | 32 |
| 21XH400F | 1 | 21 | 145.77 | 148.56 | 168 | 110 | 119 | 132 | 32 |
| 22XH400F | 1 | 22 | 152.84 | 155.64 | 175 | 110 | 119 | 132 | 32 |
| 23XH400F* | 1 | 23 | 159.92 | 162.72 | 175 | 120 | 119 | 132 | 32 |
| 24XH400F | 1 | 24 | 166.99 | 169.79 | 192 | 120 | 119 | 132 | 32 |
| 25XH400F | 1 | 25 | 174.07 | 176.86 | 200 | 120 | 119 | 132 | 32 |
| 26XH400F | 1 | 26 | 181.14 | 183.93 | 205 | 120 | 119 | 132 | 32 |
| 27XH400F | 1 | 27 | 188.22 | 191.01 | 205 | 120 | 119 | 132 | 32 |
| 28XH400F | 1 | 28 | 195.29 | 198.09 | 211 | 150 | 119 | 132 | 32 |
| 30XH400F | 1 | 30 | 209.44 | 212.23 | 226 | 150 | 119 | 132 | 32 |
| 32XH400F | 1 | 32 | 223.59 | 226.38 | 240 | 150 | 119 | 132 | 32 |
| 34XH400F | 1 | 34 | 237.74 | 240.53 | 256 | 150 | 119 | 132 | 32 |
| 38XH400* | 3 | 38 | 266.03 | 268.83 | — | 150 | 116 | 132 | 30 |
| 40XH400* | 3 | 40 | 280.18 | 282.98 | — | 150 | 116 | 132 | 30 |
| 46XH400* | 4 | 46 | 322.63 | 325.42 | — | 175 | 116 | 132 | 30 |
| 48XH400* | 4 | 48 | 336.78 | 339.57 | — | 175 | 116 | 132 | 30 |
| 58XH400* | 4 | 58 | 407.52 | 410.32 | — | 175 | 116 | 132 | 30 |
| 60XH400* | 4 | 60 | 421.67 | 424.47 | — | 175 | 116 | 132 | 30 |
| 70XH400* | 4 | 70 | 492.42 | 495.21 | — | 175 | 116 | 132 | 30 |
| 72XH400* | 4 | 72 | 506.56 | 509.36 | — | 175 | 116 | 132 | 30 |
| 78XH400* | 4 | 78 | 549.01 | 551.81 | — | 175 | 116 | 132 | 30 |
| 80XH400* | 4 | 80 | 563.16 | 565.95 | — | 175 | 116 | 132 | 30 |
| 82XH400* | 4 | 82 | 577.31 | 580.10 | — | 175 | 116 | 132 | 30 |
| 84XH400* | 4 | 84 | 591.46 | 594.25 | — | 175 | 116 | 132 | 30 |
| 94XH400* | 4 | 94 | 662.20 | 665.00 | — | 175 | 116 | 132 | 30 |
| 96XH400* | 4 | 96 | 676.35 | 679.15 | — | 175 | 116 | 132 | 30 |
| 118XH400* | 4 | 118 | 831.99 | 834.78 | — | 175 | 116 | 132 | 30 |
| 120XH400* | 4 | 120 | 846.14 | 848.93 | — | 175 | 116 | 132 | 30 |

Timing pulley

ISO5294-1989

S^{tock}
B_{ore}



XXH200 PITCH 1 1/4" (31.75mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|-----|-----|------|-----|----|
| 18XXH200F | 1 | 18 | 178.87 | 181.91 | 200 | 140 | 64.2 | 100 | 28 |
| 19XXH200F | 1 | 19 | 188.97 | 192.02 | 205 | 140 | 64.2 | 100 | 28 |
| 20XXH200F | 1 | 20 | 199.08 | 202.13 | 211 | 150 | 64.2 | 100 | 28 |
| 21XXH200F | 1 | 21 | 209.19 | 212.23 | 226 | 150 | 64.2 | 100 | 28 |
| 22XXH200F | 1 | 22 | 219.29 | 222.34 | 240 | 150 | 64.2 | 100 | 28 |
| 24XXH200 | 3 | 24 | 239.50 | 242.55 | — | 150 | 64.2 | 100 | 28 |
| 25XXH200 | 3 | 25 | 249.61 | 252.66 | — | 150 | 64.2 | 100 | 28 |
| 26XXH200 | 3 | 26 | 259.79 | 262.76 | — | 150 | 64.2 | 110 | 28 |
| 27XXH200 | 3 | 27 | 269.82 | 272.87 | — | 150 | 64.2 | 110 | 28 |
| 30XXH200 | 3 | 30 | 300.14 | 303.19 | — | 150 | 64.2 | 100 | 28 |
| 40XXH200 | 4 | 40 | 401.21 | 404.25 | — | 150 | 64.2 | 100 | 28 |
| 48XXH200 | 4 | 48 | 482.06 | 485.10 | — | 175 | 64.2 | 120 | 30 |
| 60XXH200 | 4 | 60 | 603.33 | 606.38 | — | 175 | 64.2 | 120 | 30 |
| 72XXH200 | 4 | 72 | 724.61 | 727.66 | — | 175 | 64.2 | 120 | 35 |
| 90XXH200 | 4 | 90 | 906.52 | 909.57 | — | 175 | 64.2 | 120 | 35 |

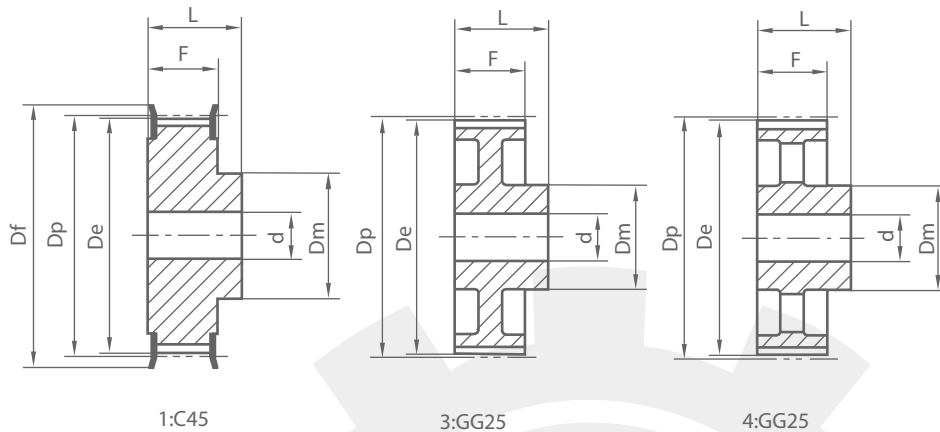
XXH300 PITCH 1 1/4" (31.75mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|-----|-----|------|-----|----|
| 18XXH300F | 1 | 18 | 178.87 | 181.91 | 200 | 140 | 91.4 | 110 | 28 |
| 19XXH300F | 1 | 19 | 188.97 | 192.02 | 205 | 150 | 91.4 | 110 | 28 |
| 20XXH300F | 1 | 20 | 199.08 | 202.13 | 211 | 150 | 91.4 | 110 | 28 |
| 21XXH300F | 1 | 21 | 209.19 | 212.13 | 226 | 150 | 91.4 | 110 | 28 |
| 22XXH300F | 1 | 22 | 219.29 | 222.34 | 240 | 150 | 91.4 | 110 | 28 |
| 24XXH300 | 3 | 24 | 239.50 | 242.55 | — | 150 | 91.4 | 110 | 28 |
| 25XXH300 | 3 | 25 | 249.61 | 252.66 | — | 150 | 91.4 | 110 | 28 |
| 26XXH300 | 3 | 26 | 259.79 | 262.76 | — | 150 | 91.4 | 110 | 28 |
| 27XXH300 | 3 | 27 | 269.82 | 272.87 | — | 150 | 91.4 | 110 | 28 |
| 30XXH300 | 3 | 30 | 300.14 | 303.19 | — | 150 | 91.4 | 110 | 28 |
| 40XXH300 | 4 | 40 | 401.21 | 404.25 | — | 150 | 91.4 | 110 | 28 |
| 48XXH300 | 4 | 48 | 482.06 | 485.10 | — | 175 | 91.4 | 120 | 30 |
| 60XXH300 | 4 | 60 | 603.33 | 606.38 | — | 175 | 91.4 | 120 | 30 |
| 72XXH300 | 4 | 72 | 724.61 | 727.66 | — | 175 | 91.4 | 120 | 35 |
| 90XXH300 | 4 | 90 | 906.52 | 909.57 | — | 175 | 91.4 | 120 | 35 |

Timing pulley

ISO5294-1989

S^{tock}
B_{ore}



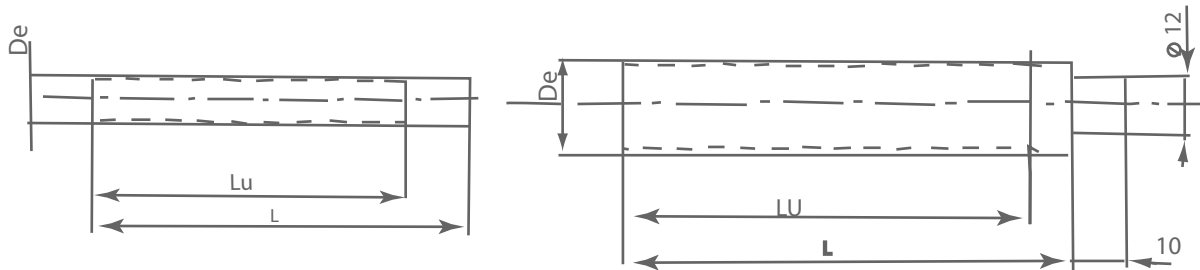
XXH400 PITCH 1 1/4" (31.75mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|-----|-----|-----|-----|----|
| 18XXH400F | 1 | 18 | 178.87 | 181.91 | 200 | 140 | 118 | 140 | 30 |
| 19XXH400F | 1 | 19 | 188.97 | 192.02 | 205 | 150 | 118 | 140 | 30 |
| 20XXH400F | 1 | 20 | 199.08 | 202.13 | 211 | 150 | 118 | 140 | 30 |
| 21XXH400F | 1 | 21 | 209.19 | 212.23 | 226 | 150 | 118 | 140 | 30 |
| 22XXH400F | 1 | 22 | 219.29 | 222.34 | 240 | 150 | 118 | 140 | 30 |
| 24XXH400 | 3 | 24 | 239.50 | 242.55 | — | 150 | 118 | 140 | 30 |
| 26XXH400 | 3 | 26 | 259.79 | 262.76 | — | 150 | 118 | 140 | 30 |
| 27XXH400 | 3 | 27 | 269.82 | 272.87 | — | 185 | 118 | 140 | 30 |
| 30XXH400 | 3 | 30 | 300.14 | 303.19 | — | 185 | 118 | 140 | 30 |
| 40XXH400 | 4 | 40 | 401.21 | 404.25 | — | 185 | 118 | 140 | 30 |
| 48XXH400 | 4 | 48 | 482.06 | 485.10 | — | 185 | 118 | 140 | 30 |
| 60XXH400 | 4 | 60 | 603.33 | 606.38 | — | 185 | 118 | 140 | 35 |
| 72XXH400 | 4 | 72 | 724.61 | 727.66 | — | 220 | 118 | 140 | 35 |
| 90XXH400 | 4 | 90 | 906.52 | 909.57 | — | 220 | 118 | 140 | 35 |

XXH500 PITCH 1 1/4" (31.75mm)

| SPCFCTN | TYPE | Z | De | Dp | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|-----|-----|-------|-----|----|
| 18XXH500F | 1 | 18 | 178.87 | 181.91 | 200 | 140 | 145.3 | 168 | 30 |
| 19XXH500F | 1 | 19 | 188.97 | 192.02 | 205 | 150 | 145.3 | 168 | 30 |
| 20XXH500F | 1 | 20 | 199.08 | 202.13 | 211 | 150 | 145.3 | 168 | 30 |
| 21XXH500F | 1 | 21 | 209.19 | 212.23 | 226 | 150 | 145.3 | 168 | 30 |
| 22XXH500F | 1 | 22 | 219.29 | 222.34 | 240 | 150 | 145.3 | 168 | 30 |
| 24XXH500 | 3 | 24 | 239.50 | 242.55 | — | 150 | 145.3 | 168 | 30 |
| 26XXH500 | 3 | 26 | 259.79 | 262.76 | — | 150 | 145.3 | 168 | 30 |
| 27XXH500 | 3 | 27 | 269.82 | 272.87 | — | 215 | 145.3 | 168 | 30 |
| 30XXH500 | 3 | 30 | 300.14 | 303.19 | — | 215 | 145.3 | 168 | 30 |
| 40XXH500 | 4 | 40 | 401.21 | 404.25 | — | 215 | 145.3 | 168 | 30 |
| 48XXH500 | 4 | 48 | 482.06 | 485.10 | — | 215 | 145.3 | 168 | 35 |
| 60XXH500 | 4 | 60 | 603.33 | 606.38 | — | 240 | 145.3 | 168 | 35 |
| 72XXH500 | 4 | 72 | 724.61 | 727.66 | — | 240 | 145.3 | 168 | 35 |
| 90XXH500 | 4 | 90 | 906.52 | 909.57 | — | 240 | 145.3 | 168 | 35 |

Standard toothed bars



MXL-0.08"

| | | De | Lu | L |
|--------|-----|-------|-----|-----|
| MXL10 | 10 | 5.97 | 50 | 75 |
| MXL11 | 11 | 6.60 | 50 | 75 |
| MXL12 | 12 | 7.26 | 50 | 75 |
| MXL13 | 13 | 7.90 | 50 | 75 |
| MXL14 | 14 | 8.56 | 50 | 75 |
| MXL15 | 15 | 9.19 | 50 | 75 |
| MXL16 | 16 | 9.83 | 50 | 75 |
| MXL17 | 17 | 10.49 | 50 | 75 |
| MXL18 | 18 | 11.12 | 50 | 75 |
| MXL19 | 19 | 11.78 | 90 | 120 |
| MXL20 | 20 | 12.42 | 90 | 120 |
| MXL21 | 21 | 13.08 | 90 | 120 |
| MXL22 | 22 | 13.72 | 125 | 140 |
| MXL23 | 23 | 14.38 | 125 | 140 |
| MXL24 | 24 | 15.01 | 125 | 140 |
| MXL25 | 25 | 15.67 | 125 | 140 |
| MXL26 | 26 | 16.31 | 125 | 140 |
| MXL27 | 27 | 16.70 | 125 | 140 |
| MXL28 | 28 | 16.94 | 125 | 140 |
| MXL29 | 29 | 18.24 | 125 | 140 |
| MXL30 | 30 | 18.90 | 125 | 140 |
| MXL32 | 32 | 20.19 | 125 | 140 |
| MXL34 | 34 | 21.49 | 125 | 140 |
| MXL35 | 35 | 22.12 | 132 | 140 |
| MXL36 | 36 | 22.78 | 132 | 140 |
| MXL38 | 38 | 24.08 | 132 | 140 |
| MXL40 | 40 | 25.37 | 132 | 140 |
| MXL42 | 42 | 26.67 | 140 | 140 |
| MXL44 | 44 | 27.94 | 140 | 140 |
| MXL45 | 45 | 28.60 | 140 | 140 |
| MXL48 | 48 | 30.53 | 140 | 140 |
| MXL50 | 50 | 32.33 | 140 | 140 |
| MXL60 | 60 | 38.30 | 160 | 160 |
| MXL64 | 64 | 40.89 | 160 | 160 |
| MXL65 | 65 | 41.53 | 160 | 160 |
| MXL70 | 70 | 44.78 | 160 | 160 |
| MXL72 | 72 | 46.05 | 160 | 160 |
| MXL75 | 75 | 48.01 | 160 | 160 |
| MXL90 | 90 | 57.71 | 160 | 160 |
| MXL110 | 110 | 70.64 | 160 | 160 |

XL-1/5"

| | | De | Lu | L |
|-------|----|--------|-----|-----|
| XL 10 | 10 | 15.66 | 140 | 140 |
| XL 11 | 11 | 17.28 | 140 | 140 |
| XL 12 | 12 | 18.90 | 140 | 140 |
| XL 13 | 13 | 20.51 | 140 | 140 |
| XL 14 | 14 | 22.13 | 140 | 140 |
| XL 15 | 15 | 23.75 | 140 | 140 |
| XL 16 | 16 | 25.36 | 140 | 140 |
| XL 17 | 17 | 26.98 | 140 | 140 |
| XL 18 | 18 | 28.60 | 140 | 140 |
| XL 19 | 19 | 30.22 | 140 | 140 |
| XL 20 | 20 | 31.83 | 140 | 140 |
| XL 21 | 21 | 33.45 | 160 | 160 |
| XL 22 | 22 | 35.07 | 160 | 160 |
| XL 23 | 23 | 36.60 | 160 | 160 |
| XL 24 | 24 | 38.30 | 160 | 160 |
| XL 25 | 25 | 39.93 | 160 | 160 |
| XL 26 | 26 | 41.53 | 160 | 160 |
| XL 27 | 27 | 43.15 | 160 | 160 |
| XL 28 | 28 | 44.77 | 160 | 160 |
| XL 29 | 29 | 46.39 | 160 | 160 |
| XL 30 | 30 | 48.00 | 160 | 160 |
| XL 32 | 32 | 51.24 | 160 | 160 |
| XL 33 | 33 | 52.85 | 160 | 160 |
| XL 34 | 34 | 54.47 | 160 | 160 |
| XL 35 | 35 | 56.09 | 160 | 160 |
| XL 36 | 36 | 57.70 | 160 | 160 |
| XL 38 | 38 | 60.94 | 160 | 160 |
| XL 39 | 39 | 62.56 | 160 | 160 |
| XL 40 | 40 | 64.17 | 160 | 160 |
| XL 41 | 41 | 65.79 | 160 | 160 |
| XL 42 | 42 | 67.41 | 160 | 160 |
| XL 43 | 43 | 69.02 | 160 | 160 |
| XL 44 | 44 | 70.64 | 160 | 160 |
| XL 48 | 48 | 77.11 | 160 | 160 |
| XL 56 | 56 | 90.04 | 160 | 160 |
| XL 60 | 60 | 96.51 | 160 | 160 |
| XL 72 | 72 | 115.92 | 160 | 160 |

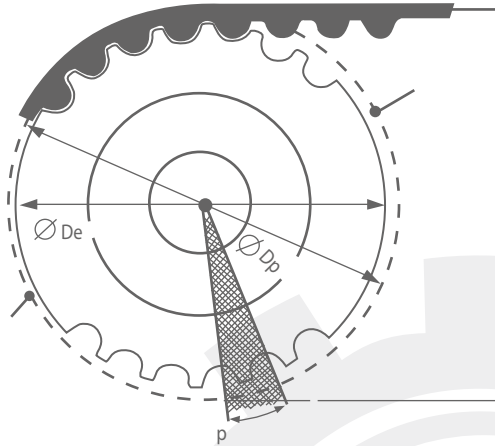
L-3/8"

| | | De | Lu | L |
|------|----|-------|-----|-----|
| L 10 | 10 | 29.56 | 140 | 140 |
| L 11 | 11 | 32.59 | 140 | 140 |
| L 12 | 12 | 35.62 | 160 | 160 |
| L 13 | 13 | 38.65 | 160 | 160 |
| L 14 | 14 | 41.68 | 160 | 160 |
| L 15 | 15 | 44.72 | 160 | 160 |
| L 16 | 16 | 47.75 | 160 | 160 |
| L 17 | 17 | 50.78 | 160 | 160 |
| L 18 | 18 | 53.81 | 160 | 160 |
| L 19 | 19 | 56.84 | 160 | 160 |
| L 20 | 20 | 59.88 | 160 | 160 |
| L 21 | 21 | 62.91 | 160 | 160 |
| L 22 | 22 | 65.94 | 160 | 160 |
| L 23 | 23 | 68.97 | 160 | 160 |
| L 24 | 24 | 72.00 | 160 | 160 |
| L 27 | 27 | 81.10 | 160 | 160 |
| L 30 | 30 | 90.20 | 160 | 160 |

Special Note

We can also supply the flanges of the above timing belt pulleys separately. The customers can order flanges according to the corresponding pulleys part numbers

HTP Timing pulley








There are 5 different types of pitches: 3M, 5M, 8M, 14M and 20M. 8M and 14M are more common. (The product is patent, and must get approval of patent producing and selling when the products are produced and sold.)

P= Pitch is the distance measured from the central line between two adjacent teeth of timing pulleys.

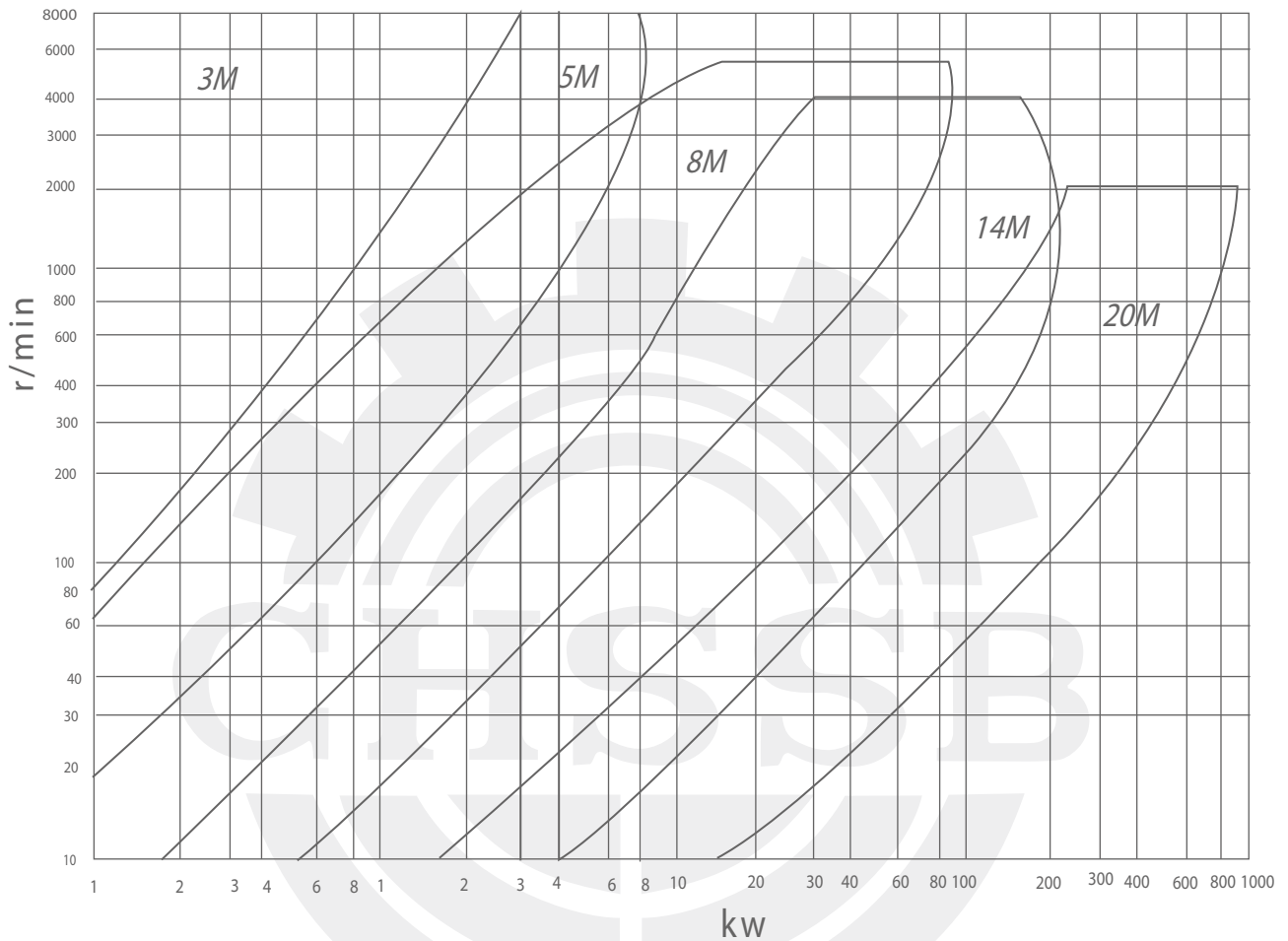
D_p = Pitch circle diameter of timing pulley.

D_e = External diameter of timing pulley.

| SPECIFICATION OF BELT AND PULLEY | TEETH DIMENSION OF BELT |
|----------------------------------|--|
| HTP 3M |  |
| HTP 5M |  |
| HTP 8M |  |
| HTP 14M |  |
| HTP 20M |  |

HTP *Timing pulley*

DESIGN HORSEPOWER (HORSEPOWER SERVICE FACTOR)



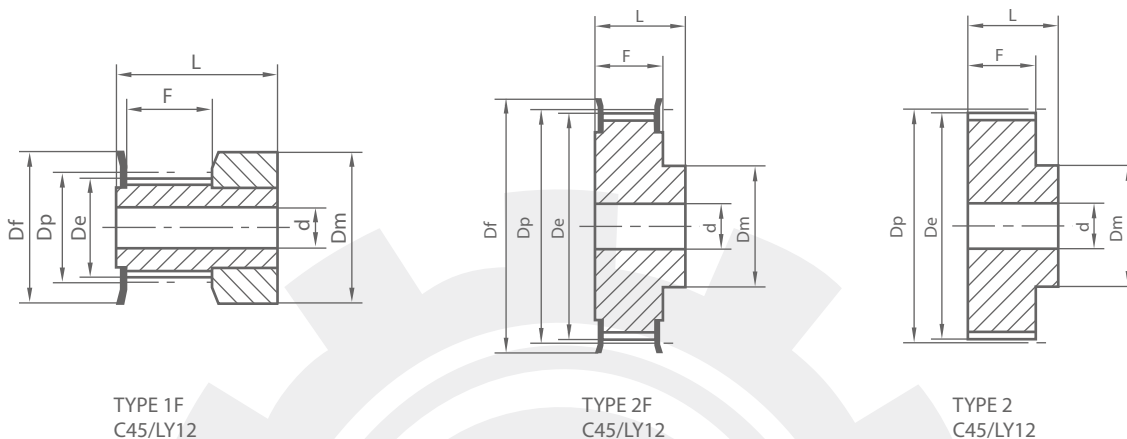
SPECIFICATION AND TYPE FOR TIMING BELT PULLEY

EXAMPLE:

30 - 8M - 30F

- F INDICATES USING FLANGE
- INDICATING BELT WIDTH 30MM
- PITCH CODE
- INDICATING TEETH NUMBER 30 TEETH

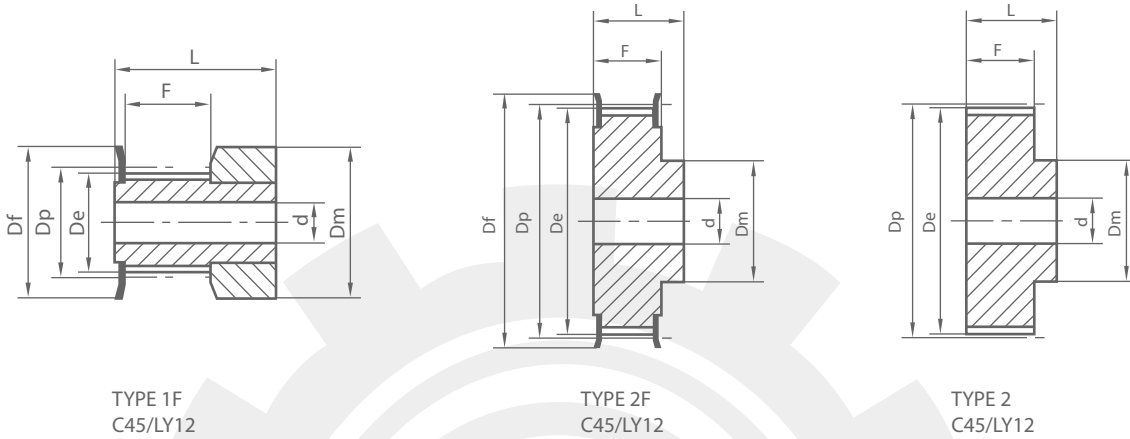
HTP Timing pulley



HTP 3M-06

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | F | L | d |
|-----------|------|----|-------|-------|------|------|------|------|-----|
| 10-3M-06F | 1F | 10 | 9.55 | 8.79 | 13 | 13.0 | 7.2 | 14.5 | 3 |
| 12-3M-06F | 1F | 12 | 11.46 | 10.70 | 15 | 15.0 | 7.2 | 14.5 | 4 |
| 14-3M-06F | 1F | 14 | 13.37 | 12.61 | 16 | 16.0 | 7.2 | 14.5 | 4 |
| 15-3M-06F | 1F | 15 | 14.32 | 13.56 | 17.5 | 17.5 | 7.2 | 14.5 | 4 |
| 16-3M-06F | 2F | 16 | 15.28 | 14.52 | 18 | 10.0 | 9.8 | 17.5 | 6.0 |
| 18-3M-06F | 2F | 18 | 17.19 | 16.43 | 19.5 | 11.0 | 9.8 | 17.5 | 6.0 |
| 20-3M-06F | 2F | 20 | 19.10 | 18.34 | 23 | 13.0 | 9.8 | 17.5 | 6.0 |
| 21-3M-06F | 2F | 21 | 20.05 | 19.29 | 25 | 14.0 | 9.8 | 17.5 | 6.0 |
| 22-3M-06F | 2F | 22 | 21.01 | 20.25 | 25 | 14.0 | 9.8 | 17.5 | 6.0 |
| 24-3M-06F | 2F | 24 | 22.92 | 22.16 | 25 | 14.0 | 9.8 | 17.5 | 6.0 |
| 26-3M-06F | 2F | 26 | 24.83 | 24.07 | 28 | 16.0 | 9.8 | 17.5 | 6.0 |
| 28-3M-06F | 2F | 28 | 26.74 | 25.98 | 32 | 18.0 | 9.8 | 17.5 | 6.0 |
| 30-3M-06F | 2F | 30 | 28.65 | 27.89 | 32 | 20.0 | 9.8 | 17.5 | 6.0 |
| 32-3M-06F | 2F | 32 | 30.56 | 29.80 | 37 | 22.0 | 9.8 | 17.5 | 6.0 |
| 36-3M-06F | 2F | 36 | 34.38 | 33.62 | 38 | 25.0 | 10.3 | 18.0 | 6.0 |
| 40-3M-06F | 2F | 40 | 38.20 | 37.44 | 43 | 28.0 | 10.3 | 18.0 | 6.0 |
| 44-3M-06F | 2F | 44 | 42.02 | 41.26 | 48 | 33.0 | 10.3 | 18.0 | 6.0 |
| 48-3M-06 | 2 | 48 | 45.84 | 45.08 | — | 33.0 | 10.3 | 18.6 | 8.0 |
| 60-3M-06 | 2 | 60 | 57.30 | 56.54 | — | 33.0 | 10.3 | 18.6 | 8.0 |
| 72-3M-06 | 2 | 72 | 68.75 | 67.99 | — | 33.0 | 10.3 | 18.6 | 8.0 |

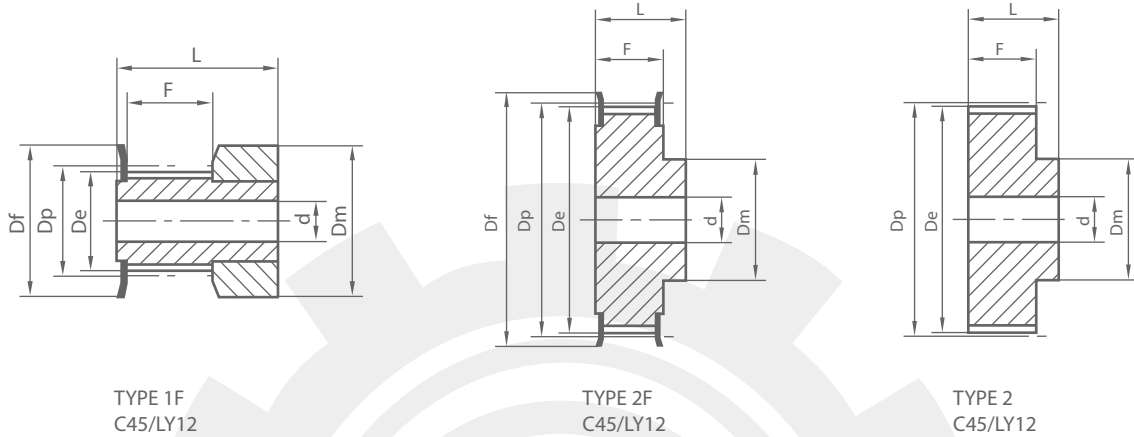
HTP Timing pulley



HTP 3M-09

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | F | L | d |
|-----------|------|----|-------|-------|------|------|------|------|---|
| 10-3M-09F | 1F | 10 | 9.55 | 8.79 | 13 | 12 | 10.2 | 17.5 | |
| 12-3M-09F | 1F | 12 | 11.46 | 10.70 | 15 | 15 | 10.2 | 17.5 | |
| 14-3M-09F | 1F | 14 | 13.37 | 12.61 | 16 | 16 | 10.2 | 17.5 | |
| 15-3M-09F | 1F | 15 | 14.32 | 13.56 | 17.5 | 17.5 | 10.2 | 17.5 | |
| 16-3M-09F | 2F | 16 | 15.28 | 14.52 | 18 | 10 | 12.8 | 20.6 | 4 |
| 18-3M-09F | 2F | 18 | 17.19 | 16.43 | 19.5 | 11 | 12.8 | 20.6 | 6 |
| 20-3M-09F | 2F | 20 | 19.10 | 18.34 | 23 | 13 | 12.8 | 20.6 | 6 |
| 21-3M-09F | 2F | 21 | 20.05 | 19.29 | 25 | 14 | 12.8 | 20.6 | 6 |
| 22-3M-09F | 2F | 22 | 21.01 | 20.25 | 25 | 14 | 12.8 | 20.6 | 6 |
| 24-3M-09F | 2F | 24 | 22.92 | 22.16 | 25 | 14 | 12.8 | 20.6 | 6 |
| 26-3M-09F | 2F | 26 | 24.83 | 24.07 | 28 | 16 | 12.8 | 20.6 | 6 |
| 28-3M-09F | 2F | 28 | 26.74 | 25.98 | 32 | 18 | 12.8 | 20.6 | 6 |
| 30-3M-09F | 2F | 30 | 28.65 | 27.89 | 32 | 20 | 12.8 | 20.6 | 6 |
| 32-3M-09F | 2F | 32 | 30.56 | 29.80 | 37 | 22 | 12.8 | 20.6 | 6 |
| 36-3M-09F | 2F | 36 | 34.38 | 33.62 | 38 | 26 | 13.4 | 22.2 | 6 |
| 40-3M-09F | 2F | 40 | 38.20 | 37.44 | 43 | 28 | 13.4 | 22.2 | 6 |
| 44-3M-09F | 2F | 44 | 42.02 | 41.26 | 48 | 33 | 13.4 | 22.2 | 6 |
| 48-3M-09 | 2 | 48 | 45.84 | 45.08 | — | 33 | 13.4 | 22.2 | 8 |
| 60-3M-09 | 2 | 60 | 57.30 | 56.54 | — | 33 | 13.4 | 22.2 | 8 |
| 72-3M-09 | 2 | 72 | 68.76 | 68 | — | 33 | 13.4 | 22.2 | 8 |

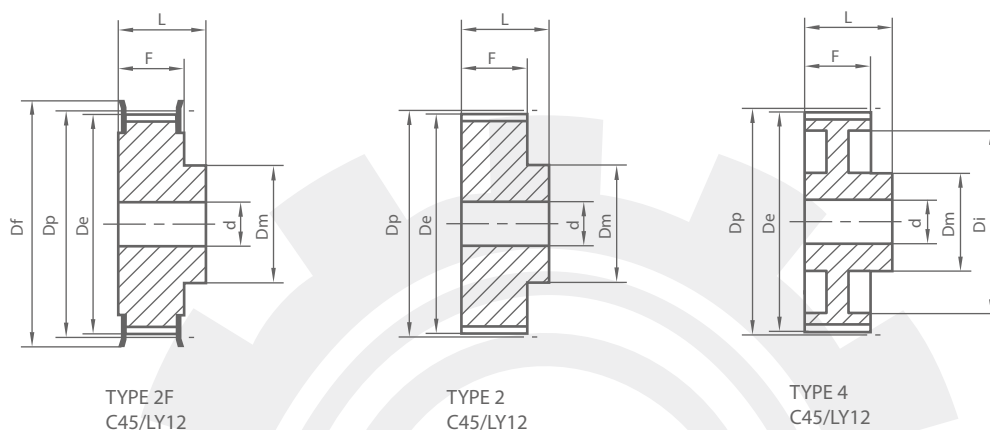
HTP Timing pulley



HTP 3M-15

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | F | L | d |
|-----------|------|----|-------|-------|------|------|------|----|---|
| 10-3M-15F | 1F | 10 | 9.55 | 8.79 | 13 | 12 | 17.0 | 26 | |
| 12-3M-15F | 1F | 12 | 11.46 | 10.70 | 15 | 15 | 17.0 | 26 | |
| 14-3M-15F | 1F | 14 | 13.37 | 12.61 | 16 | 16 | 17.0 | 26 | |
| 15-3M-15F | 1F | 15 | 14.32 | 13.56 | 17.5 | 17.5 | 17.0 | 26 | |
| 16-3M-15F | 2F | 16 | 15.28 | 14.52 | 18 | 10 | 19.5 | 26 | 4 |
| 18-3M-15F | 2F | 18 | 17.19 | 16.43 | 19.5 | 11 | 19.5 | 26 | 6 |
| 20-3M-15F | 2F | 20 | 19.10 | 18.34 | 23 | 13 | 19.5 | 26 | 6 |
| 21-3M-15F | 2F | 21 | 20.05 | 19.29 | 25 | 14 | 19.5 | 26 | 6 |
| 22-3M-15F | 2F | 22 | 21.01 | 20.25 | 25 | 14 | 19.5 | 26 | 6 |
| 24-3M-15F | 2F | 24 | 22.92 | 22.16 | 25 | 14 | 19.5 | 26 | 6 |
| 26-3M-15F | 2F | 26 | 24.83 | 24.07 | 28 | 16 | 19.5 | 26 | 6 |
| 28-3M-15F | 2F | 28 | 26.74 | 25.98 | 32 | 18 | 19.5 | 26 | 6 |
| 30-3M-15F | 2F | 30 | 28.65 | 27.89 | 32 | 20 | 19.5 | 26 | 6 |
| 32-3M-15F | 2F | 32 | 30.56 | 29.80 | 37 | 22 | 19.5 | 26 | 6 |
| 36-3M-15F | 2F | 36 | 34.38 | 33.62 | 38 | 26 | 20.0 | 30 | 6 |
| 40-3M-15F | 2F | 40 | 38.20 | 37.44 | 43 | 28 | 20.0 | 30 | 6 |
| 44-3M-15F | 2F | 44 | 42.02 | 41.26 | 48 | 33 | 20.0 | 30 | 6 |
| 48-3M-15 | 2 | 48 | 45.84 | 45.08 | — | 33 | 20.0 | 30 | 8 |
| 60-3M-15 | 2 | 60 | 57.30 | 56.54 | — | 33 | 20.0 | 30 | 8 |
| 72-3M-15 | 2 | 72 | 68.76 | 68 | — | 33 | 20.0 | 30 | 8 |

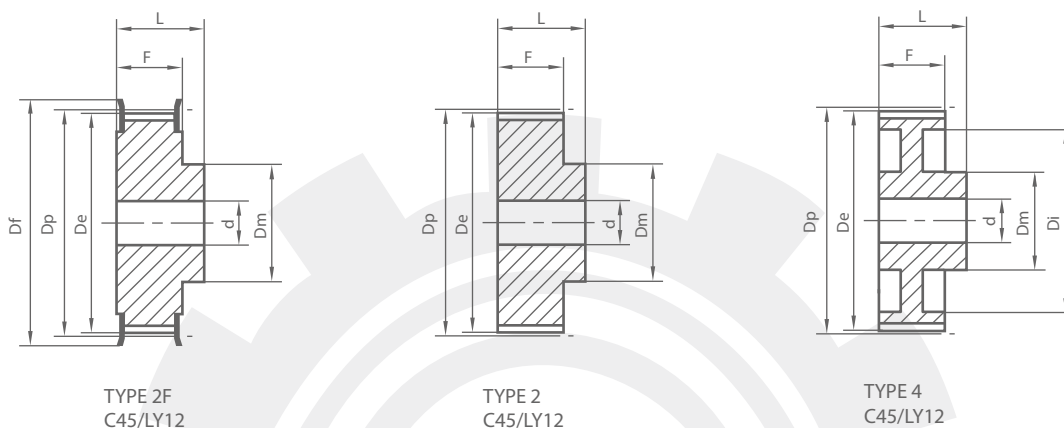
HTP Timing pulley



HTP 5M-09

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|----|------|------|------|---|
| 12-5M-09F | 2F | 12 | 19.10 | 17.96 | 23 | 12.5 | 14.5 | 20.0 | 6 |
| 14-5M-09F | 2F | 14 | 22.28 | 21.14 | 25 | 13.5 | 14.5 | 20.0 | 6 |
| 15-5M-09F | 2F | 15 | 23.87 | 22.73 | 28 | 15.5 | 14.5 | 20.0 | 6 |
| 16-5M-09F | 2F | 16 | 25.46 | 24.32 | 28 | 16.5 | 14.5 | 20.0 | 6 |
| 18-5M-09F | 2F | 18 | 28.65 | 27.51 | 32 | 20 | 14.5 | 20.0 | 6 |
| 20-5M-09F | 2F | 20 | 31.83 | 30.69 | 37 | 23.0 | 14.5 | 22.5 | 6 |
| 21-5M-09F | 2F | 21 | 33.42 | 32.28 | 38 | 24.0 | 14.5 | 22.5 | 6 |
| 22-5M-09F | 2F | 22 | 35.01 | 33.87 | 38 | 25.5 | 14.5 | 22.5 | 6 |
| 24-5M-09F | 2F | 24 | 38.20 | 37.06 | 43 | 27.0 | 14.5 | 22.5 | 6 |
| 26-5M-09F | 2F | 26 | 41.38 | 40.24 | 44 | 30.0 | 14.5 | 22.5 | 6 |
| 28-5M-09F | 2F | 28 | 44.56 | 43.42 | 48 | 30.5 | 14.5 | 22.5 | 6 |
| 30-5M-09F | 2F | 30 | 47.75 | 46.60 | 51 | 35.0 | 14.5 | 22.5 | 6 |
| 32-5M-09F | 2F | 32 | 50.93 | 49.79 | 54 | 38.0 | 14.5 | 22.5 | 8 |
| 36-5M-09F | 2F | 36 | 57.30 | 56.16 | 60 | 38.0 | 14.5 | 22.5 | 8 |
| 40-5M-09F | 2F | 40 | 63.66 | 62.52 | 70 | 38.0 | 14.5 | 22.5 | 8 |
| 44-5M-09 | 2 | 44 | 70.03 | 68.89 | — | 38.0 | 14.5 | 25.5 | 8 |
| 48-5M-09 | 4 | 48 | 76.39 | 75.25 | — | 45.0 | 14.5 | 25.5 | 8 |
| 60-5M-09 | 4 | 60 | 95.49 | 94.35 | — | 45.0 | 14.5 | 25.5 | 8 |
| 72-5M-09 | 4 | 72 | 114.59 | 113.45 | — | 45.0 | 14.5 | 25.5 | 8 |

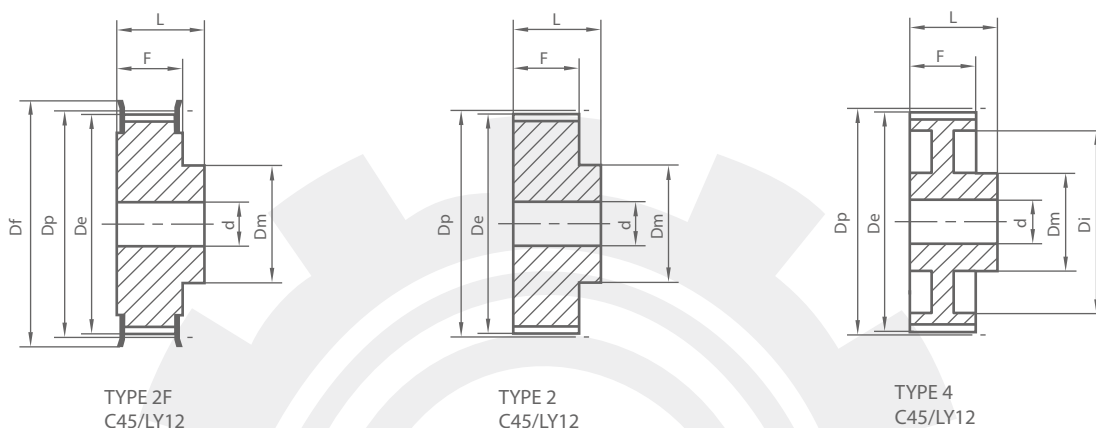
HTP Timing pulley



HTP 5M-15

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|----|------|------|----|---|
| 12-5M-15F | 2F | 12 | 19.10 | 17.96 | 23 | 13.0 | 20.5 | 26 | 6 |
| 14-5M-15F | 2F | 14 | 22.28 | 21.14 | 25 | 14.0 | 20.5 | 26 | 6 |
| 15-5M-15F | 2F | 15 | 23.87 | 22.73 | 28 | 16.0 | 20.5 | 26 | 6 |
| 16-5M-15F | 2F | 16 | 25.46 | 24.32 | 28 | 16.5 | 20.5 | 26 | 6 |
| 18-5M-15F | 2F | 18 | 28.65 | 27.51 | 32 | 20.0 | 20.5 | 26 | 6 |
| 20-5M-15F | 2F | 20 | 31.83 | 30.69 | 37 | 23.0 | 20.5 | 26 | 6 |
| 21-5M-15F | 2F | 21 | 33.42 | 32.28 | 38 | 24.0 | 20.5 | 26 | 6 |
| 22-5M-15F | 2F | 22 | 35.01 | 33.87 | 38 | 25.5 | 20.5 | 26 | 6 |
| 24-5M-15F | 2F | 24 | 38.20 | 37.06 | 43 | 27.0 | 20.5 | 28 | 6 |
| 26-5M-15F | 2F | 26 | 41.38 | 40.24 | 44 | 30.0 | 20.5 | 28 | 6 |
| 28-5M-15F | 2F | 28 | 44.56 | 43.42 | 48 | 30.5 | 20.5 | 28 | 6 |
| 30-5M-15F | 2F | 30 | 47.75 | 46.60 | 51 | 35.0 | 20.5 | 28 | 6 |
| 32-5M-15F | 2F | 32 | 50.93 | 49.79 | 54 | 38.0 | 20.5 | 28 | 8 |
| 36-5M-15F | 2F | 36 | 57.30 | 56.16 | 60 | 38.0 | 20.5 | 28 | 8 |
| 40-5M-15F | 2F | 40 | 63.66 | 62.52 | 70 | 38.0 | 20.5 | 28 | 8 |
| 44-5M-15 | 2 | 44 | 70.03 | 68.89 | — | 38.0 | 20.5 | 30 | 8 |
| 48-5M-15 | 4 | 48 | 76.39 | 75.25 | — | 38.0 | 20.5 | 30 | 8 |
| 60-5M-15 | 4 | 60 | 95.49 | 94.35 | — | 50.0 | 20.5 | 30 | 8 |
| 72-5M-15 | 4 | 72 | 114.59 | 113.45 | — | 50.0 | 20.5 | 30 | 8 |

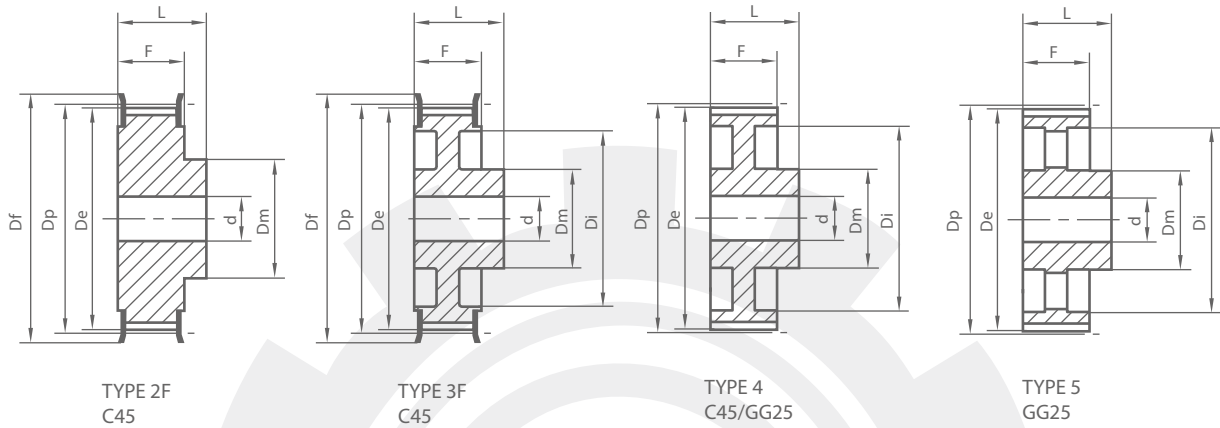
HTP Timing pulley



HTP 5M-25

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | F | L | d |
|-----------|------|----|--------|--------|----|------|------|------|---|
| 12-5M-25F | 2F | 12 | 19.10 | 17.96 | 23 | 13.0 | 30.5 | 36.0 | 6 |
| 14-5M-25F | 2F | 14 | 22.28 | 21.14 | 25 | 14.0 | 30.5 | 36.0 | 6 |
| 15-5M-25F | 2F | 15 | 23.87 | 22.73 | 28 | 16.0 | 30.5 | 36.0 | 6 |
| 16-5M-25F | 2F | 16 | 25.46 | 24.32 | 28 | 16.5 | 30.5 | 36.0 | 6 |
| 18-5M-25F | 2F | 18 | 28.65 | 27.51 | 32 | 20.0 | 30.5 | 36.0 | 6 |
| 20-5M-25F | 2F | 20 | 31.83 | 30.69 | 37 | 23.0 | 30.5 | 36.0 | 6 |
| 21-5M-25F | 2F | 21 | 33.42 | 32.28 | 38 | 24.0 | 30.5 | 38.0 | 6 |
| 22-5M-25F | 2F | 22 | 35.01 | 33.87 | 38 | 25.5 | 30.5 | 38.0 | 6 |
| 24-5M-25F | 2F | 24 | 38.20 | 37.06 | 43 | 27.0 | 30.5 | 38.0 | 6 |
| 26-5M-25F | 2F | 26 | 41.38 | 40.24 | 44 | 30.0 | 30.5 | 38.0 | 6 |
| 28-5M-25F | 2F | 28 | 44.56 | 43.42 | 48 | 30.5 | 30.5 | 38.0 | 6 |
| 30-5M-25F | 2F | 30 | 47.75 | 46.60 | 51 | 35.0 | 30.5 | 38.0 | 6 |
| 32-5M-25F | 2F | 32 | 50.93 | 49.79 | 54 | 38.0 | 30.5 | 38.0 | 8 |
| 36-5M-25F | 2F | 36 | 57.30 | 56.16 | 60 | 38.0 | 30.5 | 38.0 | 8 |
| 40-5M-25F | 2F | 40 | 63.66 | 62.52 | 70 | 38.0 | 30.5 | 38.0 | 8 |
| 44-5M-25 | 2 | 44 | 70.03 | 68.89 | — | 38.0 | 30.5 | 40.0 | 8 |
| 48-5M-25 | 4 | 48 | 76.39 | 75.25 | — | 38.0 | 30.5 | 40.0 | 8 |
| 60-5M-25 | 4 | 60 | 95.49 | 94.35 | — | 50.0 | 30.5 | 40.0 | 8 |
| 72-5M-25 | 4 | 72 | 114.59 | 113.45 | — | 50.0 | 30.5 | 40.0 | 8 |

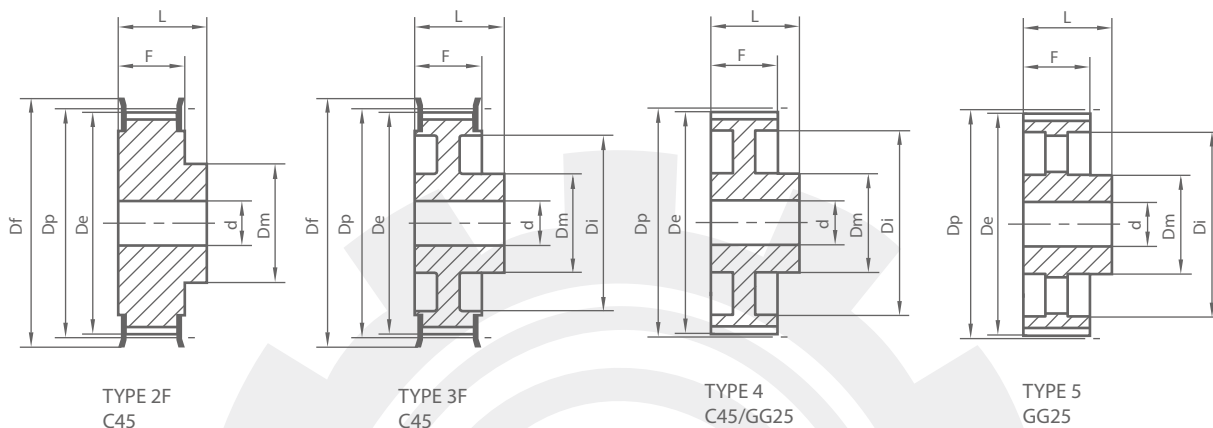
HTP Timing pulley



HTP 8M-20

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|-----|----|----|----|
| 22-8M-20F | 2F | 22 | 56.02 | 54.65 | 60 | 43 | — | 28 | 38 | 12 |
| 24-8M-20F | 2F | 24 | 61.11 | 59.74 | 67 | 45 | — | 28 | 38 | 12 |
| 26-8M-20F | 2F | 26 | 66.21 | 64.84 | 70 | 48 | — | 28 | 38 | 12 |
| 28-8M-20F | 2F | 28 | 71.30 | 70.08 | 75 | 50 | — | 28 | 38 | 14 |
| 30-8M-20F | 2F | 30 | 76.39 | 75.13 | 83 | 55 | — | 28 | 38 | 14 |
| 32-8M-20F | 2F | 32 | 81.49 | 80.16 | 87 | 60 | — | 28 | 38 | 14 |
| 34-8M-20F | 2F | 34 | 86.58 | 85.21 | 91 | 66 | — | 28 | 38 | 14 |
| 36-8M-20F | 2F | 36 | 91.67 | 90.30 | 97 | 70 | — | 28 | 38 | 14 |
| 38-8M-20F | 2F | 38 | 96.77 | 95.39 | 102 | 75 | — | 28 | 38 | 14 |
| 40-8M-20F | 2F | 40 | 101.86 | 100.49 | 112 | 75 | — | 28 | 38 | 14 |
| 44-8M-20F | 2F | 44 | 112.05 | 110.67 | 120 | 75 | — | 28 | 38 | 14 |
| 48-8M-20F | 2F | 48 | 122.23 | 120.86 | 128 | 75 | — | 28 | 38 | 14 |
| 56-8M-20F | 3F | 56 | 142.60 | 141.23 | 150 | 80 | 116 | 28 | 38 | 14 |
| 64-8M-20F | 3F | 64 | 162.97 | 161.60 | 168 | 80 | 137 | 28 | 38 | 14 |
| 72-8M-20F | 3F | 72 | 183.35 | 181.97 | 192 | 80 | 158 | 28 | 38 | 14 |
| 80-8M-20 | 4 | 80 | 203.72 | 202.35 | — | 90 | 180 | 28 | 38 | 14 |
| 90-8M-20 | 4 | 90 | 229.18 | 227.81 | — | 90 | 204 | 28 | 38 | 14 |
| 112-8M-20 | 5 | 112 | 285.21 | 283.83 | — | 90 | 254 | 28 | 38 | 18 |
| 144-8M-20 | 5 | 144 | 366.69 | 365.32 | — | 90 | 336 | 28 | 38 | 20 |
| 168-8M-20 | 5 | 168 | 427.81 | 426.44 | — | 100 | 400 | 28 | 38 | 20 |
| 192-8M-20 | 5 | 192 | 488.92 | 487.55 | — | 100 | 460 | 28 | 38 | 20 |

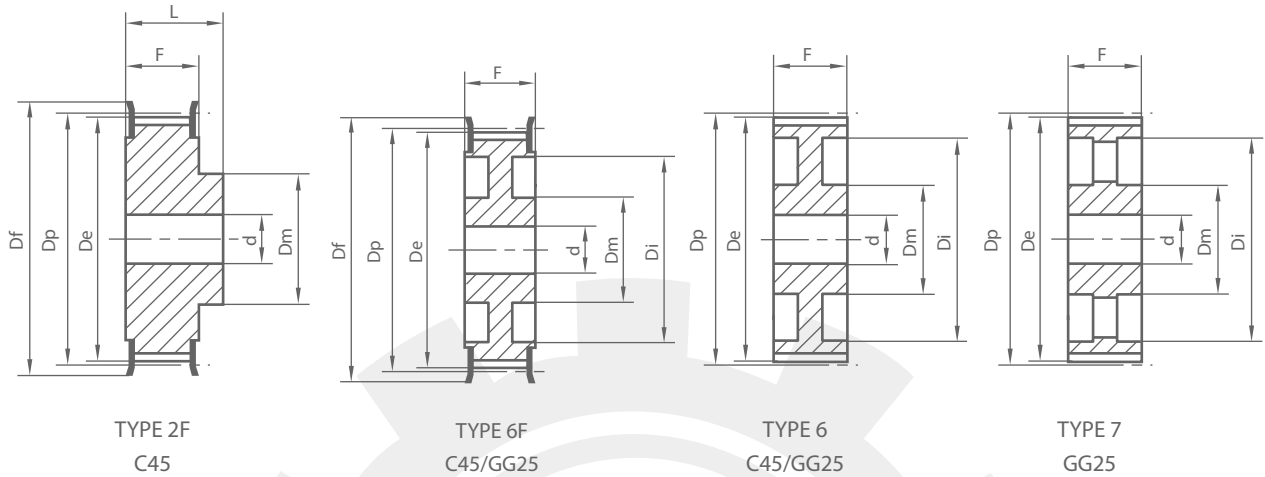
HTP *Timing pulley*



HTP 8M-30

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|-----|----|----|----|
| 22-8M-30F | 2F | 22 | 56.02 | 54.65 | 60 | 43 | — | 38 | 48 | 12 |
| 24-8M-30F | 2F | 24 | 61.11 | 59.74 | 67 | 45 | — | 38 | 48 | 12 |
| 26-8M-30F | 2F | 26 | 66.21 | 64.85 | 70 | 48 | — | 38 | 48 | 12 |
| 28-8M-30F | 2F | 28 | 71.30 | 70.08 | 75 | 50 | — | 38 | 48 | 14 |
| 30-8M-30F | 2F | 30 | 76.39 | 75.13 | 83 | 55 | — | 38 | 48 | 14 |
| 32-8M-30F | 2F | 32 | 81.49 | 80.16 | 87 | 60 | — | 38 | 48 | 14 |
| 34-8M-30F | 2F | 34 | 86.58 | 85.21 | 91 | 66 | — | 38 | 48 | 14 |
| 36-8M-30F | 2F | 36 | 91.67 | 90.30 | 97 | 70 | — | 38 | 48 | 14 |
| 38-8M-30F | 2F | 38 | 96.77 | 95.39 | 102 | 75 | — | 38 | 48 | 14 |
| 40-8M-30F | 2F | 40 | 101.86 | 100.49 | 112 | 75 | — | 38 | 48 | 14 |
| 44-8M-30F | 2F | 44 | 112.05 | 110.67 | 120 | 75 | — | 38 | 48 | 14 |
| 48-8M-30F | 2F | 48 | 122.23 | 120.86 | 128 | 75 | — | 38 | 48 | 14 |
| 56-8M-30F | 3F | 56 | 142.60 | 141.23 | 150 | 90 | 116 | 38 | 48 | 14 |
| 64-8M-30F | 3F | 64 | 162.97 | 161.60 | 168 | 90 | 137 | 38 | 48 | 14 |
| 72-8M-30F | 3F | 72 | 183.35 | 181.97 | 192 | 95 | 158 | 38 | 48 | 14 |
| 80-8M-30 | 4 | 80 | 203.72 | 202.35 | — | 100 | 180 | 38 | 48 | 14 |
| 90-8M-30 | 4 | 90 | 229.18 | 227.81 | — | 100 | 204 | 38 | 48 | 14 |
| 112-8M-30 | 5 | 112 | 285.21 | 283.83 | — | 100 | 254 | 38 | 48 | 18 |
| 144-8M-30 | 5 | 144 | 366.69 | 365.32 | — | 100 | 336 | 38 | 48 | 20 |
| 168-8M-30 | 5 | 168 | 427.81 | 426.44 | — | 100 | 400 | 38 | 48 | 20 |
| 192-8M-30 | 5 | 192 | 488.92 | 487.55 | — | 100 | 460 | 38 | 48 | 20 |

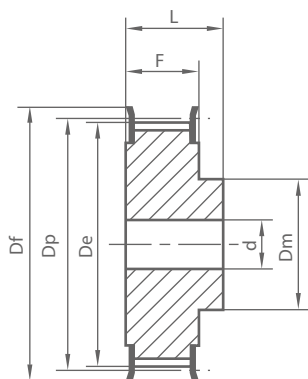
HTP Timing pulley



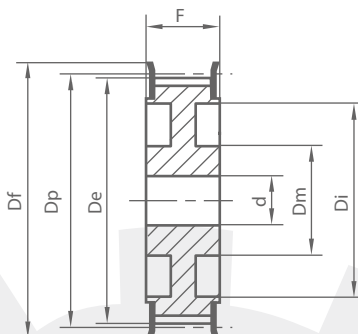
HTP 8M-50

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | Di | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|-----|----|----|----|
| 22-8M-50F | 2F | 22 | 56.02 | 54.65 | 60 | 43 | — | 60 | 70 | 12 |
| 24-8M-50F | 2F | 24 | 61.11 | 59.74 | 67 | 45 | — | 60 | 70 | 12 |
| 26-8M-50F | 2F | 26 | 66.21 | 64.84 | 70 | 48 | — | 60 | 70 | 12 |
| 28-8M-50F | 2F | 28 | 71.3 | 70.08 | 75 | 50 | — | 60 | 70 | 14 |
| 30-8M-50F | 2F | 30 | 76.39 | 75.13 | 83 | 55 | — | 60 | 70 | 14 |
| 32-8M-50F | 2F | 32 | 81.49 | 80.16 | 87 | 60 | — | 60 | 70 | 14 |
| 34-8M-50F | 2F | 34 | 86.58 | 85.21 | 91 | 66 | — | 60 | 70 | 14 |
| 36-8M-50F | 2F | 36 | 91.67 | 90.30 | 97 | 70 | — | 60 | 70 | 14 |
| 38-8M-50F | 2F | 38 | 96.77 | 95.39 | 102 | 75 | — | 60 | 70 | 14 |
| 40-8M-50F | 2F | 40 | 101.86 | 100.49 | 112 | 75 | — | 60 | 70 | 14 |
| 44-8M-50F | 2F | 44 | 112.05 | 110.67 | 120 | 75 | — | 60 | 70 | 14 |
| 48-8M-50F | 2F | 48 | 122.23 | 120.86 | 128 | 75 | — | 60 | 70 | 14 |
| 56-8M-50F | 6F | 56 | 142.60 | 141.23 | 150 | 90 | 116 | 60 | 60 | 18 |
| 64-8M-50F | 6F | 64 | 162.97 | 161.60 | 168 | 100 | 137 | 60 | 60 | 18 |
| 72-8M-50F | 6F | 72 | 183.35 | 181.97 | 192 | 100 | 158 | 60 | 60 | 18 |
| 80-8M-50 | 6 | 80 | 203.72 | 202.35 | — | 110 | 180 | 60 | 60 | 18 |
| 90-8M-50 | 6 | 90 | 229.18 | 227.81 | — | 110 | 204 | 60 | 60 | 18 |
| 112-8M-50 | 7 | 112 | 285.21 | 283.83 | — | 110 | 254 | 60 | 60 | 18 |
| 144-8M-50 | 7 | 144 | 366.69 | 365.32 | — | 110 | 336 | 60 | 60 | 20 |
| 168-8M-50 | 7 | 168 | 427.81 | 426.44 | — | 120 | 400 | 60 | 60 | 20 |
| 192-8M-50 | 7 | 192 | 488.92 | 487.55 | — | 130 | 460 | 60 | 60 | 20 |

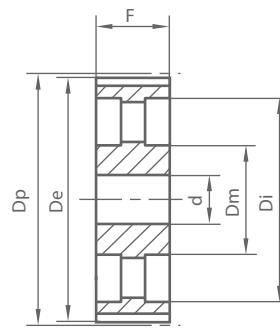
HTP Timing pulley



TYPE 2F
C45



TYPE 6F
C45/GG25

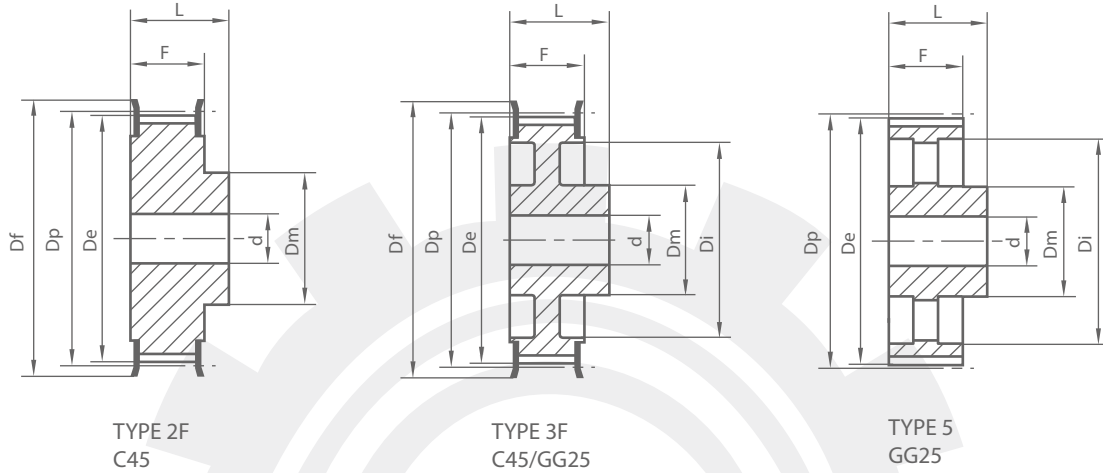


TYPE 7
GG25

HTP 8M-85

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | Di | F | L | d |
|-----------|------|-----|--------|--------|-----|-----|-----|----|-----|----|
| 22-8M-85F | 2F | 22 | 56.02 | 54.65 | 60 | 43 | — | 95 | 105 | 12 |
| 24-8M-85F | 2F | 24 | 61.12 | 59.75 | 67 | 45 | — | 95 | 105 | 12 |
| 26-8M-85F | 2F | 26 | 66.21 | 64.84 | 70 | 48 | — | 95 | 105 | 12 |
| 28-8M-85F | 2F | 28 | 71.3 | 70.08 | 75 | 50 | — | 95 | 105 | 14 |
| 30-8M-85F | 2F | 30 | 76.39 | 75.13 | 83 | 55 | — | 95 | 105 | 14 |
| 32-8M-85F | 2F | 32 | 81.49 | 80.16 | 87 | 60 | — | 95 | 105 | 14 |
| 34-8M-85F | 2F | 34 | 86.58 | 85.22 | 91 | 66 | — | 95 | 105 | 14 |
| 36-8M-85F | 2F | 36 | 91.67 | 90.30 | 97 | 70 | — | 95 | 105 | 14 |
| 38-8M-85F | 2F | 38 | 96.77 | 95.39 | 102 | 75 | — | 95 | 105 | 14 |
| 40-8M-85F | 2F | 40 | 101.86 | 100.49 | 112 | 75 | — | 95 | 105 | 14 |
| 44-8M-85F | 2F | 44 | 112.05 | 110.67 | 120 | 75 | — | 95 | 105 | 14 |
| 48-8M-85F | 2F | 48 | 122.23 | 120.86 | 128 | 75 | — | 95 | 105 | 14 |
| 56-8M-85F | 2F | 56 | 142.60 | 141.23 | 150 | 80 | — | 95 | 105 | 18 |
| 64-8M-85F | 6F | 64 | 162.97 | 161.60 | 168 | 100 | 137 | 95 | 95 | 18 |
| 72-8M-85F | 6F | 72 | 183.35 | 181.97 | 192 | 110 | 158 | 95 | 95 | 18 |
| 80-8M-85 | 7 | 80 | 203.72 | 202.35 | — | 110 | 180 | 95 | 95 | 20 |
| 90-8M-85 | 7 | 90 | 229.18 | 227.81 | — | 110 | 204 | 95 | 95 | 20 |
| 112-8M-85 | 7 | 112 | 285.21 | 283.83 | — | 110 | 254 | 95 | 95 | 24 |
| 144-8M-85 | 7 | 144 | 366.69 | 365.32 | — | 120 | 336 | 95 | 95 | 24 |
| 168-8M-85 | 7 | 168 | 427.81 | 426.44 | — | 120 | 400 | 95 | 95 | 24 |
| 192-8M-85 | 7 | 192 | 488.92 | 487.55 | — | 130 | 460 | 95 | 95 | 24 |

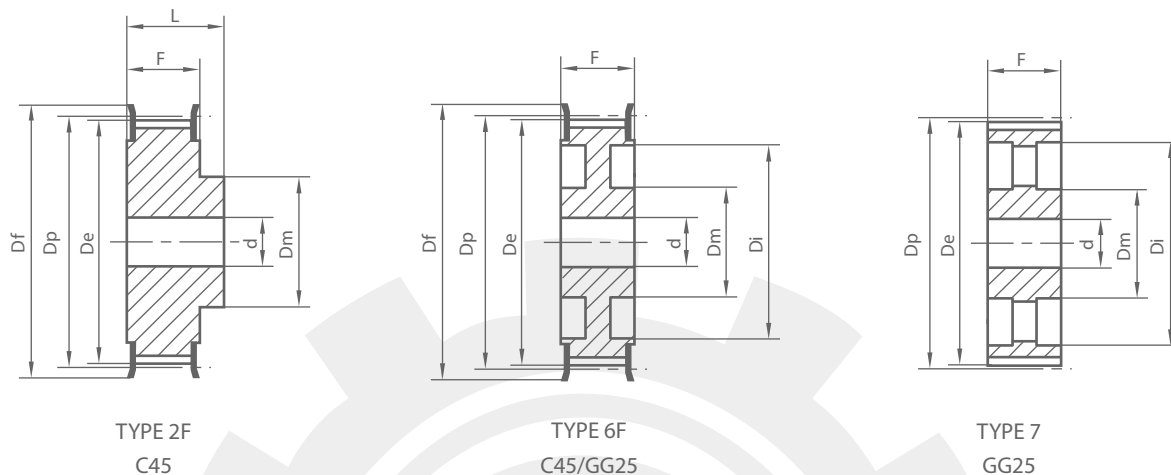
HTP Timing pulley



HTP 14M-40

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | Di | F | L | d |
|------------|------|-----|--------|--------|-----|-----|-----|----|----|----|
| 28-14M-40F | 2F | 28 | 124.78 | 122.12 | 135 | 100 | — | 54 | 69 | 24 |
| 29-14M-40F | 2F | 29 | 129.23 | 126.57 | 150 | 100 | — | 54 | 69 | 24 |
| 30-14M-40F | 2F | 30 | 133.69 | 130.99 | 150 | 100 | — | 54 | 69 | 24 |
| 32-14M-40F | 2F | 32 | 142.60 | 139.88 | 168 | 100 | — | 54 | 69 | 24 |
| 34-14M-40F | 2F | 34 | 151.52 | 148.79 | 168 | 100 | — | 54 | 69 | 24 |
| 36-14M-40F | 2F | 36 | 160.43 | 157.68 | 175 | 100 | — | 54 | 69 | 24 |
| 38-14M-40F | 2F | 38 | 169.34 | 166.60 | 192 | 120 | — | 54 | 69 | 24 |
| 40-14M-40F | 2F | 40 | 178.25 | 175.49 | 200 | 120 | — | 54 | 69 | 24 |
| 44-14M-40F | 2F | 44 | 196.08 | 193.28 | 211 | 120 | — | 54 | 69 | 24 |
| 48-14M-40F | 3F | 48 | 213.90 | 211.11 | 226 | 135 | 170 | 54 | 69 | 24 |
| 56-14M-40F | 3F | 56 | 249.55 | 246.76 | 265 | 135 | 207 | 54 | 69 | 28 |
| 64-14M-40F | 3F | 64 | 285.21 | 282.41 | 296 | 135 | 240 | 54 | 69 | 28 |
| 72-14M-40 | 5 | 72 | 320.86 | 318.06 | — | 135 | 278 | 54 | 69 | 28 |
| 80-14M-40 | 5 | 80 | 356.51 | 353.71 | — | 135 | 314 | 54 | 69 | 28 |
| 90-14M-40 | 5 | 90 | 401.07 | 398.28 | — | 135 | 358 | 54 | 69 | 28 |
| 112-14M-40 | 5 | 112 | 499.11 | 496.32 | — | 135 | 456 | 54 | 69 | 28 |
| 144-14M-40 | 5 | 144 | 641.71 | 638.92 | — | 135 | 600 | 54 | 69 | 28 |
| 168-14M-40 | 5 | 168 | 748.66 | 745.87 | — | 135 | 706 | 54 | 69 | 28 |
| 192-14M-40 | 5 | 192 | 855.62 | 852.82 | — | 135 | 813 | 54 | 69 | 28 |
| 216-14M-40 | 5 | 216 | 962.57 | 959.76 | — | 150 | 920 | 54 | 69 | 28 |

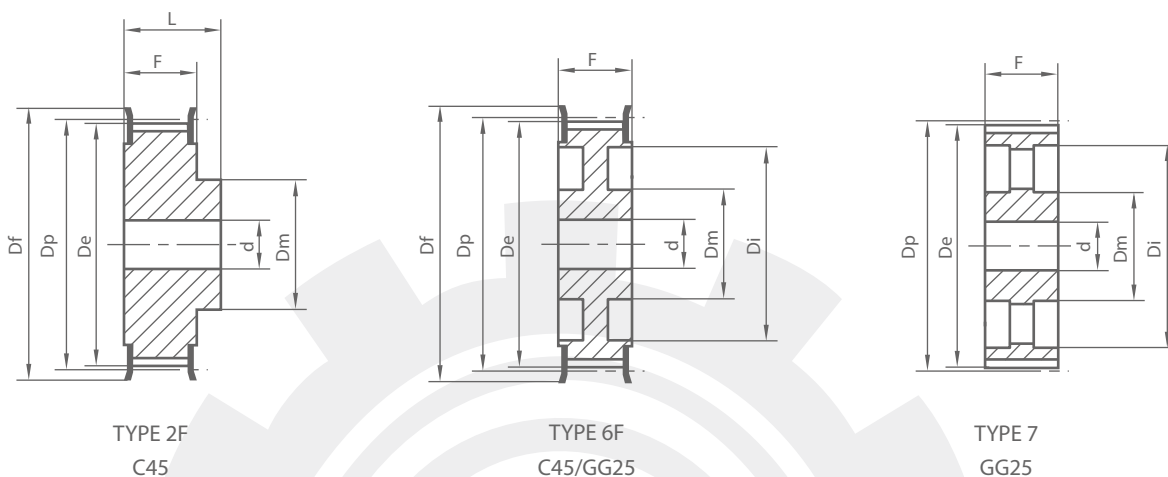
HTP Timing pulley



HTP 14M-55

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|------------|------|-----|--------|--------|-----|-----|-----|----|----|----|
| 28-14M-55F | 2F | 28 | 124.78 | 122.12 | 135 | 100 | — | 70 | 85 | 24 |
| 29-14M-55F | 2F | 29 | 129.23 | 126.57 | 150 | 100 | — | 70 | 85 | 24 |
| 30-14M-55F | 2F | 30 | 133.69 | 130.99 | 150 | 100 | — | 70 | 85 | 24 |
| 32-14M-55F | 2F | 32 | 142.60 | 139.88 | 168 | 100 | — | 70 | 85 | 24 |
| 34-14M-55F | 2F | 34 | 151.52 | 148.79 | 168 | 100 | — | 70 | 85 | 24 |
| 36-14M-55F | 2F | 36 | 160.43 | 157.68 | 175 | 100 | — | 70 | 85 | 24 |
| 38-14M-55F | 2F | 38 | 169.34 | 166.60 | 192 | 120 | — | 70 | 85 | 24 |
| 40-14M-55F | 2F | 40 | 178.25 | 175.49 | 200 | 120 | — | 70 | 85 | 24 |
| 44-14M-55F | 2F | 44 | 196.08 | 193.28 | 211 | 120 | — | 70 | 85 | 24 |
| 48-14M-55F | 6F | 48 | 213.90 | 211.11 | 226 | 135 | 170 | 70 | 70 | 24 |
| 56-14M-55F | 6F | 56 | 249.55 | 246.76 | 265 | 135 | 207 | 70 | 70 | 28 |
| 64-14M-55F | 6F | 64 | 285.21 | 282.41 | 296 | 135 | 240 | 70 | 70 | 28 |
| 72-14M-55 | 7 | 72 | 320.86 | 318.06 | — | 135 | 278 | 70 | 70 | 28 |
| 80-14M-55 | 7 | 80 | 356.51 | 353.71 | — | 135 | 314 | 70 | 70 | 28 |
| 90-14M-55 | 7 | 90 | 401.07 | 398.28 | — | 135 | 358 | 70 | 70 | 28 |
| 112-14M-55 | 7 | 112 | 499.11 | 496.32 | — | 135 | 456 | 70 | 70 | 28 |
| 144-14M-55 | 7 | 144 | 641.71 | 638.92 | — | 135 | 600 | 70 | 70 | 28 |
| 168-14M-55 | 7 | 168 | 748.66 | 745.87 | — | 135 | 706 | 70 | 70 | 28 |
| 192-14M-55 | 7 | 192 | 855.62 | 852.82 | — | 135 | 813 | 70 | 70 | 28 |
| 216-14M-55 | 7 | 216 | 962.57 | 959.76 | — | 150 | 920 | 70 | 70 | 28 |

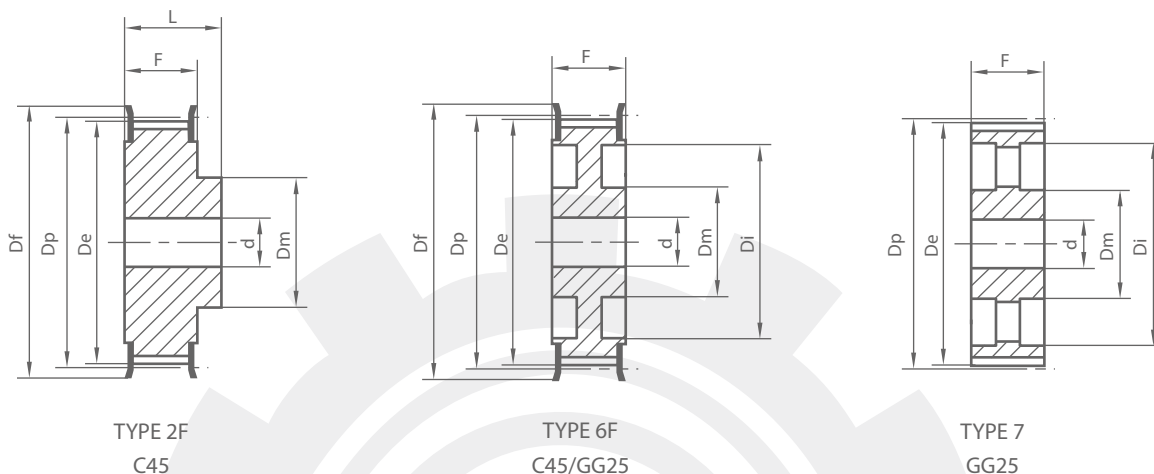
HTP Timing pulley



HTP 14M-85

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|------------|------|-----|--------|--------|-----|-----|-----|-----|-----|----|
| 28-14M-85F | 2F | 28 | 124.78 | 122.12 | 135 | 100 | — | 102 | 117 | 24 |
| 29-14M-85F | 2F | 29 | 129.23 | 126.57 | 150 | 100 | — | 102 | 117 | 24 |
| 30-14M-85F | 2F | 30 | 133.69 | 130.99 | 150 | 100 | — | 102 | 117 | 24 |
| 32-14M-85F | 2F | 32 | 142.60 | 139.88 | 168 | 100 | — | 102 | 117 | 24 |
| 34-14M-85F | 2F | 34 | 151.52 | 148.79 | 168 | 100 | — | 102 | 117 | 24 |
| 36-14M-85F | 2F | 36 | 160.43 | 157.68 | 175 | 100 | — | 102 | 117 | 32 |
| 38-14M-85F | 2F | 38 | 169.34 | 166.60 | 192 | 120 | — | 102 | 117 | 32 |
| 40-14M-85F | 2F | 40 | 178.25 | 175.49 | 200 | 135 | — | 102 | 117 | 32 |
| 44-14M-85F | 2F | 44 | 196.08 | 193.28 | 211 | 135 | — | 102 | 117 | 32 |
| 48-14M-85F | 2F | 48 | 213.90 | 211.11 | 226 | 150 | — | 102 | 117 | 32 |
| 56-14M-85F | 6F | 56 | 249.55 | 246.76 | 265 | 150 | 207 | 102 | 102 | 32 |
| 64-14M-85F | 6F | 64 | 285.21 | 282.41 | 296 | 150 | 240 | 102 | 102 | 32 |
| 72-14M-85 | 7 | 72 | 320.86 | 318.06 | — | 150 | 278 | 102 | 102 | 32 |
| 80-14M-85 | 7 | 80 | 356.51 | 353.71 | — | 150 | 314 | 102 | 102 | 32 |
| 90-14M-85 | 7 | 90 | 401.07 | 398.28 | — | 150 | 358 | 102 | 102 | 32 |
| 112-14M-85 | 7 | 112 | 499.11 | 496.32 | — | 150 | 456 | 102 | 102 | 32 |
| 144-14M-85 | 7 | 144 | 641.71 | 638.92 | — | 150 | 600 | 102 | 102 | 32 |
| 168-14M-85 | 7 | 168 | 748.66 | 745.87 | — | 150 | 706 | 102 | 102 | 32 |
| 192-14M-85 | 7 | 192 | 855.62 | 852.82 | — | 165 | 813 | 102 | 102 | 32 |
| 216-14M-85 | 7 | 216 | 962.57 | 959.76 | — | 165 | 920 | 102 | 102 | 32 |

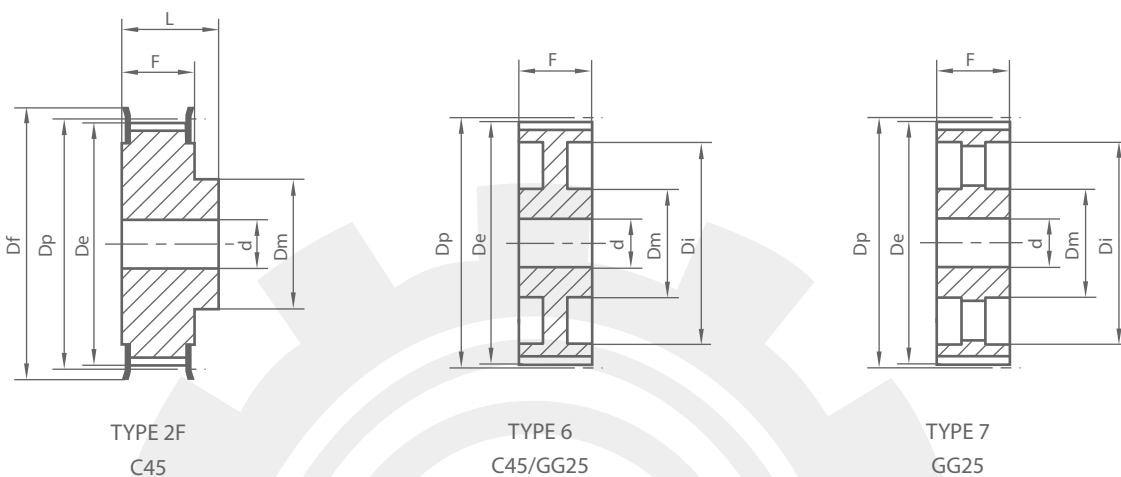
HTP Timing pulley



HTP 14M-115

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|--------|--------|-----|-----|-----|-----|-----|----|
| 28-14M-115F | 2F | 28 | 124.78 | 122.12 | 135 | 100 | — | 133 | 148 | 32 |
| 29-14M-115F | 2F | 29 | 129.23 | 126.57 | 150 | 100 | — | 133 | 148 | 32 |
| 30-14M-115F | 2F | 30 | 133.69 | 130.99 | 150 | 100 | — | 133 | 148 | 32 |
| 32-14M-115F | 2F | 32 | 142.60 | 139.88 | 168 | 100 | — | 133 | 148 | 32 |
| 34-14M-115F | 2F | 34 | 151.52 | 148.79 | 168 | 100 | — | 133 | 148 | 32 |
| 36-14M-115F | 2F | 36 | 160.43 | 157.68 | 175 | 120 | — | 133 | 148 | 32 |
| 38-14M-115F | 2F | 38 | 169.34 | 166.60 | 192 | 120 | — | 133 | 148 | 32 |
| 40-14M-115F | 2F | 40 | 178.25 | 175.49 | 200 | 135 | — | 133 | 148 | 32 |
| 44-14M-115F | 2F | 44 | 196.08 | 193.28 | 211 | 140 | — | 133 | 148 | 32 |
| 48-14M-115F | 2F | 48 | 213.90 | 211.11 | 226 | 150 | — | 133 | 148 | 32 |
| 56-14M-115F | 2F | 56 | 249.55 | 246.76 | 265 | 150 | — | 133 | 148 | 32 |
| 64-14M-115F | 6F | 64 | 285.21 | 282.41 | 296 | 150 | 240 | 133 | 133 | 32 |
| 72-14M-115 | 7 | 72 | 320.86 | 318.06 | — | 150 | 278 | 133 | 133 | 32 |
| 80-14M-115 | 7 | 80 | 356.51 | 353.71 | — | 150 | 314 | 133 | 133 | 32 |
| 90-14M-115 | 7 | 90 | 401.07 | 398.28 | — | 150 | 358 | 133 | 133 | 32 |
| 112-14M-115 | 7 | 112 | 499.11 | 496.32 | — | 150 | 456 | 133 | 133 | 32 |
| 144-14M-115 | 7 | 144 | 641.71 | 638.92 | — | 165 | 600 | 133 | 133 | 32 |
| 168-14M-115 | 7 | 168 | 748.66 | 745.87 | — | 165 | 706 | 133 | 133 | 32 |
| 192-14M-115 | 7 | 192 | 855.62 | 852.82 | — | 165 | 813 | 133 | 133 | 32 |
| 216-14M-115 | 7 | 216 | 962.57 | 959.76 | — | 165 | 920 | 133 | 133 | 32 |

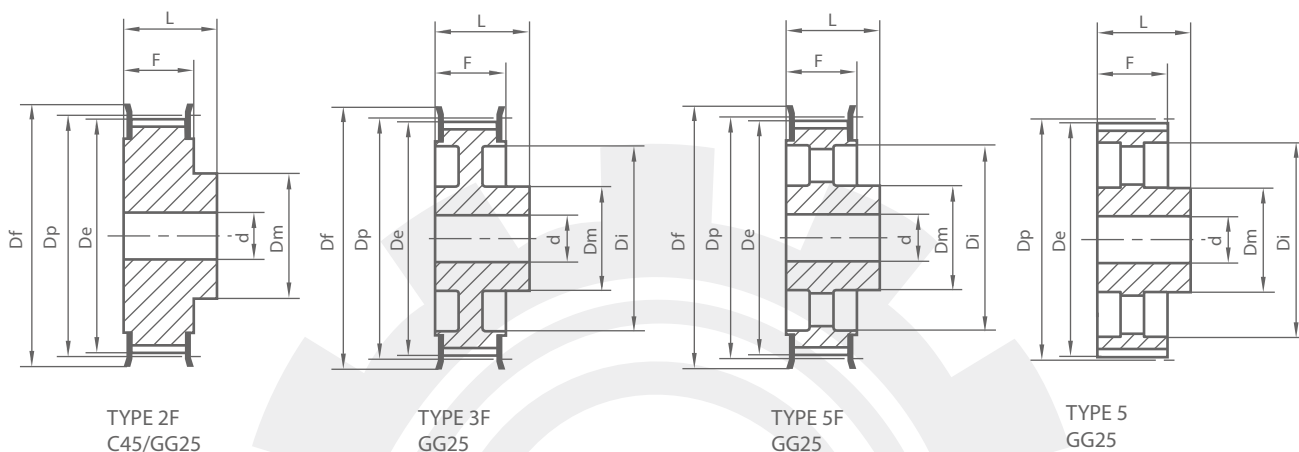
HTP Timing pulley



HTP 14M-170

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|--------|--------|-----|-----|-----|-----|-----|----|
| 28-14M-170F | 2F | 28 | 124.78 | 122.12 | 135 | 100 | — | 187 | 202 | 32 |
| 29-14M-170F | 2F | 29 | 129.23 | 126.57 | 150 | 100 | — | 187 | 202 | 32 |
| 30-14M-170F | 2F | 30 | 133.69 | 130.99 | 150 | 100 | — | 187 | 202 | 32 |
| 32-14M-170F | 2F | 32 | 142.60 | 139.88 | 168 | 100 | — | 187 | 202 | 32 |
| 34-14M-170F | 2F | 34 | 151.52 | 148.79 | 168 | 100 | — | 187 | 202 | 32 |
| 36-14M-170F | 2F | 36 | 160.43 | 157.68 | 175 | 120 | — | 187 | 202 | 32 |
| 38-14M-170F | 2F | 38 | 169.34 | 166.60 | 192 | 135 | — | 187 | 202 | 32 |
| 40-14M-170F | 2F | 40 | 178.25 | 175.49 | 200 | 140 | — | 187 | 202 | 32 |
| 44-14M-170F | 2F | 44 | 196.08 | 193.28 | 211 | 160 | — | 187 | 202 | 32 |
| 48-14M-170F | 2F | 48 | 213.90 | 211.11 | 226 | 160 | — | 187 | 202 | 32 |
| 56-14M-170F | 2F | 56 | 249.55 | 246.76 | 265 | 160 | — | 187 | 202 | 32 |
| 64-14M-170F | 2F | 64 | 285.21 | 282.41 | 296 | 180 | — | 187 | 202 | 32 |
| 72-14M-170 | 6 | 72 | 320.86 | 318.06 | — | 180 | 278 | 187 | 187 | 32 |
| 80-14M-170 | 6 | 80 | 356.51 | 353.71 | — | 180 | 314 | 187 | 187 | 32 |
| 90-14M-170 | 7 | 90 | 401.07 | 398.28 | — | 180 | 358 | 187 | 187 | 38 |
| 112-14M-170 | 7 | 112 | 499.11 | 496.32 | — | 200 | 456 | 187 | 187 | 38 |
| 144-14M-170 | 7 | 144 | 641.71 | 638.92 | — | 220 | 600 | 187 | 187 | 38 |
| 168-14M-170 | 7 | 168 | 748.66 | 745.87 | — | 220 | 706 | 187 | 187 | 38 |
| 192-14M-170 | 7 | 192 | 855.62 | 852.82 | — | 220 | 813 | 187 | 187 | 38 |
| 216-14M-170 | 7 | 216 | 962.57 | 959.76 | — | 220 | 920 | 187 | 187 | 38 |

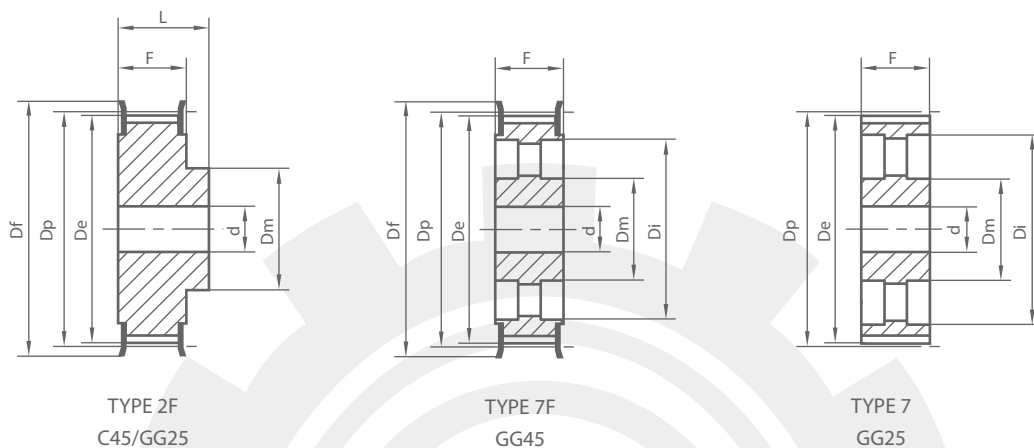
HTP *Timing pulley*



HTP 20M-115

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|---------|---------|-----|-----|------|-------|-------|----|
| 34-20M-115F | 2F | 34 | 216.45 | 212.13 | 240 | 165 | — | 136.5 | 168.5 | 32 |
| 36-20M-115F | 2F | 36 | 229.18 | 224.87 | 250 | 178 | — | 136.5 | 168.5 | 32 |
| 38-20M-115F | 2F | 38 | 241.92 | 237.60 | 265 | 181 | — | 136.5 | 168.5 | 32 |
| 40-20M-115F | 2F | 40 | 254.56 | 250.33 | 275 | 203 | — | 136.5 | 168.5 | 32 |
| 44-20M-115F | 2F | 44 | 280.11 | 275.79 | 300 | 210 | — | 136.5 | 168.5 | 32 |
| 48-20M-115F | 2F | 48 | 305.88 | 301.26 | 325 | 228 | — | 136.5 | 168.5 | 32 |
| 52-20M-115F | 2F | 52 | 331.04 | 326.72 | 350 | 228 | — | 136.5 | 168.5 | 32 |
| 56-20M-115F | 2F | 56 | 356.51 | 352.19 | 375 | 228 | — | 136.5 | 168.5 | 32 |
| 60-20M-115F | 3F | 60 | 381.97 | 377.65 | 405 | 228 | 318 | 136.5 | 168.5 | 38 |
| 64-20M-115F | 3F | 64 | 407.44 | 403.12 | 430 | 228 | 343 | 136.5 | 168.5 | 38 |
| 68-20M-115F | 3F | 68 | 432.90 | 428.58 | 455 | 228 | 366 | 136.5 | 168.5 | 38 |
| 72-20M-115F | 5F | 72 | 458.37 | 454.05 | 480 | 228 | 435 | 136.5 | 168.5 | 38 |
| 80-20M-115F | 5F | 80 | 509.30 | 504.98 | 530 | 280 | 445 | 136.5 | 168.5 | 38 |
| 90-20M-115F | 5F | 90 | 572.96 | 568.64 | 595 | 280 | 508 | 136.5 | 168.5 | 38 |
| 112-20M-115 | 5 | 112 | 713.01 | 708.70 | — | 280 | 648 | 136.5 | 168.5 | 38 |
| 144-20M-115 | 5 | 144 | 916.73 | 912.41 | — | 300 | 852 | 136.5 | 168.5 | 44 |
| 168-20M-115 | 5 | 168 | 1069.52 | 1065.21 | — | 300 | 1005 | 136.5 | 168.5 | 44 |
| 192-20M-115 | 5 | 192 | 1222.31 | 1218.00 | — | 300 | 1158 | 136.5 | 168.5 | 48 |
| 216-20M-115 | 5 | 216 | 1375.10 | 1370.78 | — | 300 | 1300 | 136.5 | 168.5 | 48 |

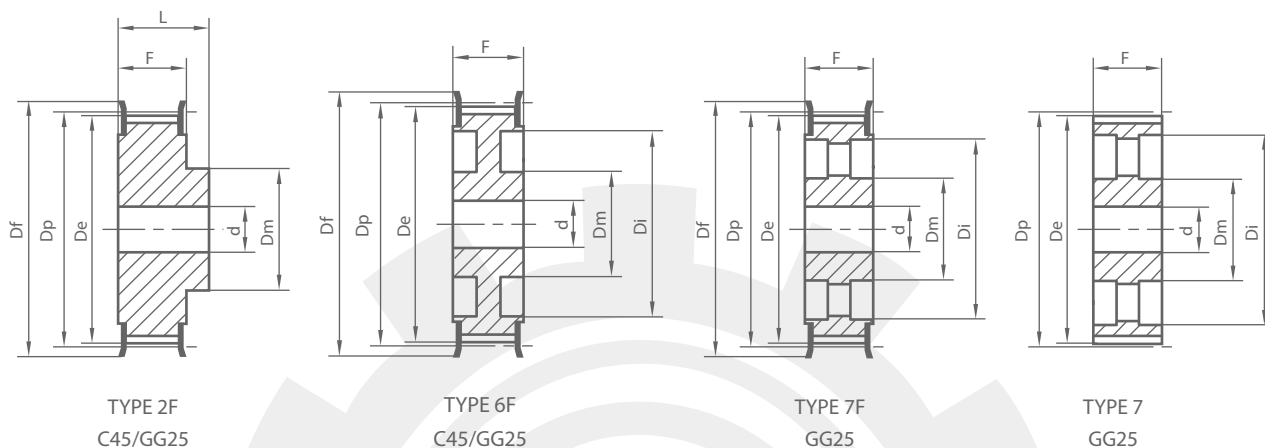
HTP Timing pulley



HTP 20M-170

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|---------|---------|-----|-----|------|-------|-------|----|
| 34-20M-170F | 2F | 34 | 216.45 | 212.13 | 240 | 165 | — | 190.5 | 222.5 | 32 |
| 36-20M-170F | 2F | 36 | 229.18 | 224.87 | 250 | 178 | — | 190.5 | 222.5 | 32 |
| 38-20M-170F | 2F | 38 | 241.92 | 237.60 | 265 | 181 | — | 190.5 | 222.5 | 32 |
| 40-20M-170F | 2F | 40 | 254.65 | 250.33 | 275 | 203 | — | 190.5 | 222.5 | 32 |
| 44-20M-170F | 2F | 44 | 280.11 | 275.79 | 300 | 210 | — | 190.5 | 222.5 | 32 |
| 48-20M-170F | 2F | 48 | 305.58 | 301.26 | 325 | 240 | — | 190.5 | 222.5 | 32 |
| 52-20M-170F | 2F | 52 | 331.04 | 326.72 | 350 | 280 | — | 190.5 | 222.5 | 32 |
| 56-20M-170F | 2F | 56 | 356.51 | 352.19 | 375 | 280 | — | 190.5 | 222.5 | 32 |
| 60-20M-170F | 2F | 60 | 381.97 | 377.65 | 405 | 280 | — | 190.5 | 222.5 | 38 |
| 64-20M-170F | 2F | 64 | 407.44 | 403.12 | 430 | 280 | — | 190.5 | 222.5 | 38 |
| 68-20M-170F | 2F | 68 | 432.90 | 428.58 | 455 | 280 | — | 190.5 | 222.5 | 38 |
| 72-20M-170F | 7F | 72 | 458.37 | 454.05 | 480 | 280 | 394 | 190.5 | 190.5 | 38 |
| 80-20M-170F | 7F | 80 | 509.30 | 504.98 | 530 | 280 | 445 | 190.5 | 190.5 | 38 |
| 90-20M-170F | 7F | 90 | 572.96 | 568.64 | 595 | 280 | 508 | 190.5 | 190.5 | 38 |
| 112-20M-170 | 7 | 112 | 713.01 | 708.70 | — | 300 | 648 | 190.5 | 190.5 | 38 |
| 144-20M-170 | 7 | 144 | 916.73 | 912.41 | — | 300 | 852 | 190.5 | 190.5 | 44 |
| 168-20M-170 | 7 | 168 | 1069.52 | 1065.21 | — | 350 | 1005 | 190.5 | 190.5 | 44 |
| 192-20M-170 | 7 | 192 | 1222.31 | 1218.00 | — | 350 | 1158 | 190.5 | 190.5 | 48 |
| 216-20M-170 | 7 | 216 | 1375.10 | 1371.78 | — | 350 | 1300 | 190.5 | 190.5 | 48 |

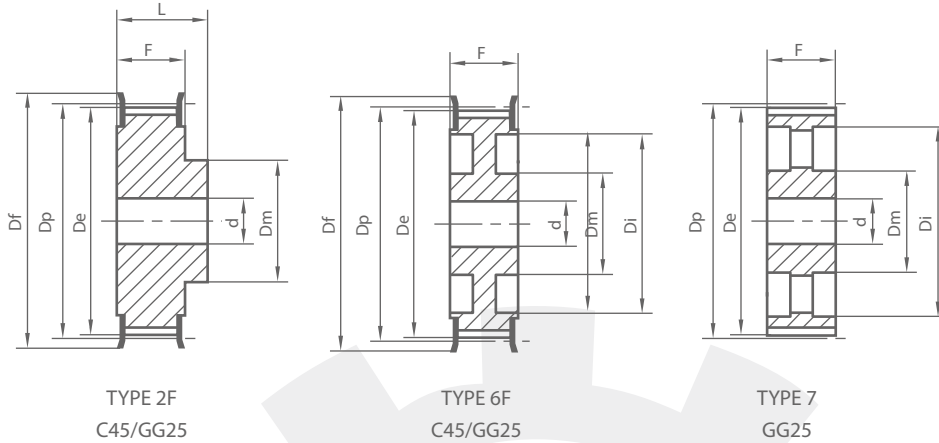
HTP *Timing pulley*



HTP 20M-230

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|---------|---------|-----|-----|------|-------|-------|----|
| 38-20M-230F | 2F | 38 | 241.92 | 237.60 | 265 | 181 | — | 250.8 | 282.8 | 38 |
| 40-20M-230F | 2F | 40 | 254.65 | 250.33 | 275 | 203 | — | 250.8 | 282.8 | 38 |
| 44-20M-230F | 2F | 44 | 280.11 | 275.79 | 300 | 210 | — | 250.8 | 282.8 | 38 |
| 48-20M-230F | 2F | 48 | 305.58 | 301.26 | 325 | 228 | — | 250.8 | 282.8 | 38 |
| 52-20M-230F | 2F | 52 | 331.04 | 326.72 | 350 | 280 | — | 250.8 | 282.8 | 38 |
| 56-20M-230F | 2F | 56 | 356.51 | 352.19 | 375 | 280 | — | 250.8 | 282.8 | 38 |
| 60-20M-230F | 2F | 60 | 381.97 | 377.65 | 405 | 280 | — | 250.8 | 282.8 | 38 |
| 64-20M-230F | 2F | 64 | 407.44 | 403.12 | 430 | 300 | — | 250.8 | 282.8 | 38 |
| 68-20M-230F | 2F | 68 | 432.90 | 428.58 | 455 | 300 | — | 250.8 | 282.8 | 38 |
| 72-20M-230F | 2F | 72 | 458.37 | 454.05 | 480 | 300 | — | 250.8 | 282.8 | 38 |
| 80-20M-230F | 6F | 80 | 509.30 | 504.98 | 530 | 300 | 445 | 250.8 | 282.8 | 38 |
| 90-20M-230F | 7F | 90 | 572.96 | 568.64 | 595 | 300 | 508 | 250.8 | 282.8 | 38 |
| 112-20M-230 | 7 | 112 | 713.01 | 708.70 | — | 300 | 648 | 250.8 | 282.8 | 38 |
| 144-20M-230 | 7 | 144 | 916.73 | 912.41 | — | 350 | 852 | 250.8 | 282.8 | 44 |
| 168-20M-230 | 7 | 168 | 1069.52 | 1065.21 | — | 350 | 1005 | 250.8 | 282.8 | 44 |
| 192-20M-230 | 7 | 192 | 1222.31 | 1218.00 | — | 400 | 1158 | 250.8 | 282.8 | 48 |
| 216-20M-230 | 7 | 216 | 1375.10 | 1370.78 | — | 400 | 1300 | 250.8 | 282.8 | 48 |

HTP Timing pulley



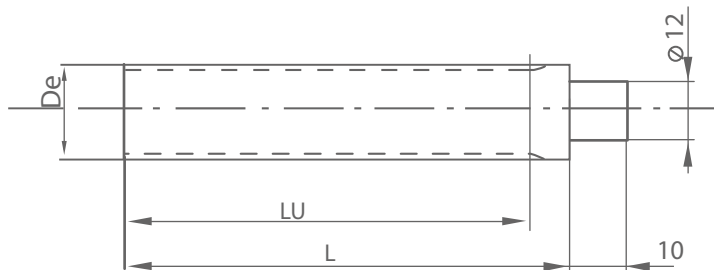
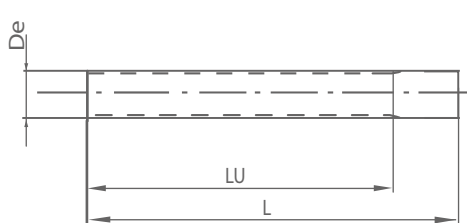
HTP 20M-290

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|---------|---------|-----|-----|------|-------|-------|----|
| 52-20M-290F | 2F | 52 | 331.04 | 326.72 | 350 | 280 | — | 311.2 | 343 | 38 |
| 56-20M-290F | 2F | 56 | 356.51 | 352.19 | 375 | 280 | — | 311.2 | 343 | 38 |
| 60-20M-290F | 2F | 60 | 381.97 | 377.65 | 405 | 300 | — | 311.2 | 343 | 38 |
| 64-20M-290F | 2F | 64 | 407.44 | 403.12 | 430 | 300 | — | 311.2 | 343 | 38 |
| 68-20m-290F | 2F | 68 | 432.90 | 428.58 | 455 | 300 | — | 311.2 | 343 | 38 |
| 72-20M-290F | 2F | 72 | 458.37 | 454.05 | 480 | 300 | — | 311.2 | 343 | 44 |
| 80-20M-290F | 2F | 80 | 509.30 | 504.98 | 530 | 300 | — | 311.2 | 343 | 44 |
| 90-20M-290F | 6F | 90 | 572.96 | 568.64 | 595 | 300 | 508 | 311.2 | 311.2 | 44 |
| 112-20M-290 | 7 | 112 | 713.01 | 708.70 | — | 350 | 648 | 311.2 | 311.2 | 48 |
| 144-20M-290 | 7 | 144 | 916.73 | 912.41 | — | 350 | 852 | 311.2 | 311.2 | 48 |
| 168-20M-290 | 7 | 168 | 1069.52 | 1065.21 | — | 400 | 1005 | 311.2 | 311.2 | 48 |
| 192-20M-290 | 7 | 192 | 1222.31 | 1218.00 | — | 400 | 1158 | 311.2 | 311.2 | 48 |
| 216-20M-290 | 7 | 216 | 1375.10 | 1370.78 | — | 400 | 1300 | 311.2 | 311.2 | 48 |

HTP 20M-340

| SPCFCTN | TYPE | Z | Dp | De | Df | Dm | DI | F | L | d |
|-------------|------|-----|---------|---------|-----|-----|------|-----|-----|----|
| 52-20M-340F | 2F | 52 | 331.04 | 326.72 | 350 | 280 | — | 362 | 394 | 38 |
| 56-20M-340F | 2F | 56 | 356.51 | 352.19 | 375 | 280 | — | 362 | 394 | 38 |
| 60-20M-340F | 2F | 60 | 381.97 | 377.65 | 405 | 300 | — | 362 | 394 | 38 |
| 64-20M-340F | 2F | 64 | 407.44 | 403.12 | 430 | 300 | — | 362 | 394 | 44 |
| 68-20m-340F | 2F | 68 | 432.90 | 428.58 | 455 | 300 | — | 362 | 394 | 44 |
| 72-20M-340F | 2F | 72 | 458.37 | 454.05 | 480 | 300 | — | 362 | 394 | 44 |
| 80-20M-340F | 2F | 80 | 509.30 | 504.98 | 530 | 300 | — | 362 | 394 | 44 |
| 90-20M-340F | 6F | 90 | 572.96 | 568.64 | 595 | 350 | 508 | 362 | 394 | 48 |
| 112-20M-340 | 7 | 112 | 713.01 | 708.7 | — | 350 | 648 | 362 | 362 | 48 |
| 144-20M-340 | 7 | 144 | 916.73 | 912.41 | — | 400 | 852 | 362 | 362 | 48 |
| 168-20M-340 | 7 | 168 | 1069.52 | 1065.21 | — | 400 | 1005 | 362 | 362 | 48 |
| 192-20M-340 | 7 | 192 | 1222.31 | 1218.00 | — | 430 | 1158 | 362 | 362 | 48 |
| 216-20M-340 | 7 | 216 | 1375.10 | 1370.78 | — | 430 | 1300 | 362 | 362 | 48 |

HTP Standard toothed bars



HTP 3M

| Spfcctn | Z | Dp | De | Lu | L |
|---------|----|-------|-------|-----|-----|
| 9-3M | 9 | 8.59 | 7.83 | 75 | 100 |
| 10-3M | 10 | 9.55 | 8.79 | 75 | 100 |
| 11-3M | 11 | 10.50 | 9.74 | 75 | 100 |
| 12-3M | 12 | 11.46 | 10.70 | 100 | 125 |
| 13-3M | 13 | 12.41 | 11.65 | 100 | 125 |
| 14-3M | 14 | 13.37 | 12.61 | 100 | 125 |
| 15-3M | 15 | 14.32 | 13.56 | 100 | 125 |
| 16-3M | 16 | 15.28 | 14.52 | 125 | 155 |
| 17-3M | 17 | 16.23 | 15.47 | 125 | 155 |
| 18-3M | 18 | 17.19 | 16.43 | 125 | 155 |
| 19-3M | 19 | 18.14 | 17.38 | 125 | 155 |
| 20-3M | 20 | 19.10 | 18.34 | 150 | 165 |
| 21-3M | 21 | 20.05 | 19.25 | 150 | 165 |
| 22-3M | 22 | 21.01 | 20.25 | 150 | 165 |
| 23-3M | 23 | 21.96 | 21.20 | 150 | 165 |
| 24-3M | 24 | 22.92 | 22.16 | 150 | 165 |
| 25-3M | 25 | 23.87 | 23.11 | 150 | 165 |
| 26-3M | 26 | 24.83 | 24.07 | 150 | 165 |
| 27-3M | 27 | 25.78 | 25.02 | 150 | 165 |
| 28-3M | 28 | 26.74 | 25.98 | 150 | 165 |
| 29-3M | 29 | 27.69 | 26.93 | 150 | 165 |
| 30-3M | 30 | 28.65 | 27.89 | 175 | 183 |
| 31-3M | 31 | 29.60 | 28.84 | 175 | 183 |
| 32-3M | 32 | 30.56 | 29.80 | 175 | 183 |
| 33-3M | 33 | 31.54 | 30.75 | 175 | 183 |
| 34-3M | 34 | 32.47 | 31.71 | 175 | 183 |
| 35-3M | 35 | 33.42 | 32.66 | 175 | 183 |
| 36-3M | 36 | 34.38 | 33.62 | 200 | 200 |
| 37-3M | 37 | 35.33 | 34.57 | 200 | 200 |
| 38-3M | 38 | 36.29 | 35.53 | 200 | 200 |
| 39-3M | 39 | 37.24 | 36.48 | 200 | 200 |
| 40-3M | 40 | 38.20 | 37.44 | 200 | 200 |
| 42-3M | 42 | 40.11 | 39.34 | 200 | 200 |
| 44-3M | 44 | 42.02 | 41.26 | 200 | 200 |
| 45-3M | 45 | 42.97 | 41.21 | 200 | 200 |
| 48-3M | 48 | 45.84 | 45.08 | 200 | 200 |
| 50-3M | 50 | 47.75 | 46.99 | 200 | 200 |
| 52-3M | 52 | 49.66 | 48.90 | 200 | 200 |
| 54-3M | 54 | 51.57 | 50.81 | 200 | 200 |
| 56-3M | 56 | 53.48 | 52.72 | 200 | 200 |
| 60-3M | 60 | 57.30 | 56.54 | 200 | 200 |
| 62-3M | 62 | 59.21 | 58.45 | 200 | 200 |
| 64-3M | 64 | 61.12 | 60.36 | 200 | 200 |
| 66-3M | 66 | 63.03 | 62.27 | 200 | 200 |
| 68-3M | 69 | 64.94 | 64.18 | 200 | 200 |
| 70-3M | 70 | 66.85 | 66.09 | 200 | 200 |
| 72-3M | 72 | 68.75 | 67.99 | 200 | 200 |

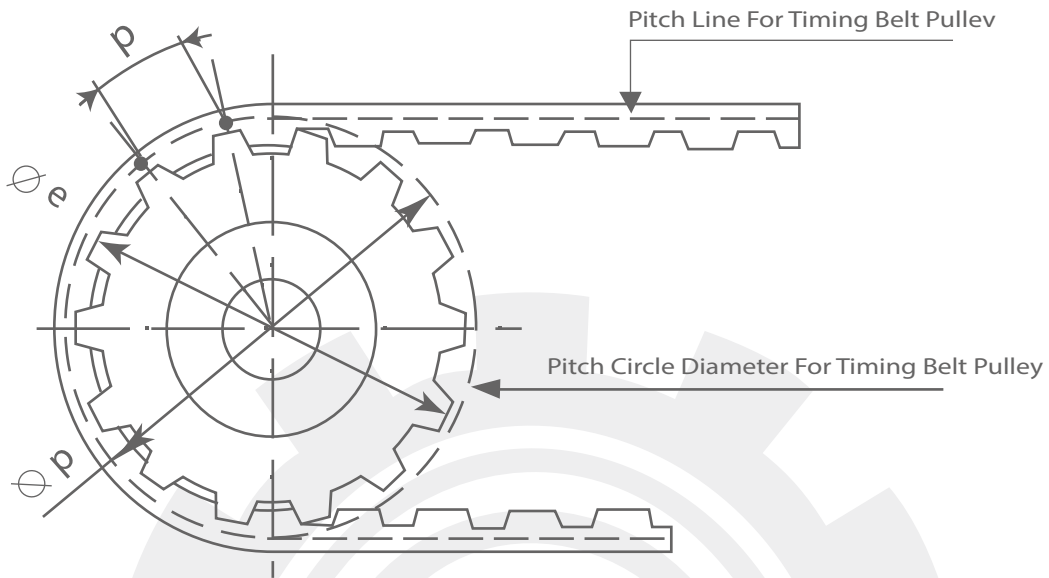
HTP 5M

| Spfcctn | Z | Dp | De | Lu | L |
|---------|----|--------|--------|-----|-----|
| 12-5M | 12 | 19.10 | 17.96 | 150 | 165 |
| 13-5M | 13 | 20.69 | 19.55 | 150 | 165 |
| 14-5M | 14 | 22.28 | 21.14 | 175 | 183 |
| 15-5M | 15 | 23.87 | 22.73 | 175 | 183 |
| 16-5M | 16 | 25.46 | 24.32 | 175 | 183 |
| 17-5M | 17 | 27.06 | 25.92 | 175 | 183 |
| 18-5M | 18 | 28.65 | 27.51 | 200 | 200 |
| 19-5M | 19 | 30.24 | 29.10 | 200 | 200 |
| 20-5M | 20 | 31.83 | 30.69 | 200 | 200 |
| 21-5M | 21 | 33.42 | 32.28 | 200 | 200 |
| 22-5M | 22 | 35.01 | 33.87 | 200 | 200 |
| 23-5M | 23 | 36.61 | 35.47 | 200 | 200 |
| 24-5M | 24 | 38.20 | 37.06 | 200 | 200 |
| 25-5M | 25 | 39.79 | 38.65 | 200 | 200 |
| 26-5M | 26 | 41.38 | 40.24 | 200 | 200 |
| 27-5M | 27 | 42.97 | 41.83 | 200 | 200 |
| 28-5M | 28 | 44.56 | 43.42 | 200 | 200 |
| 29-5M | 29 | 46.15 | 45.01 | 200 | 200 |
| 30-5M | 30 | 47.75 | 46.60 | 200 | 200 |
| 31-5M | 31 | 49.24 | 48.20 | 200 | 200 |
| 32-5M | 32 | 50.93 | 49.79 | 200 | 200 |
| 33-5M | 33 | 52.52 | 51.38 | 200 | 200 |
| 34-5M | 34 | 54.11 | 52.97 | 200 | 200 |
| 35-5M | 35 | 55.70 | 54.56 | 200 | 200 |
| 36-5M | 36 | 57.30 | 56.16 | 200 | 200 |
| 38-5M | 38 | 60.48 | 59.34 | 200 | 200 |
| 40-5M | 40 | 63.66 | 62.52 | 200 | 200 |
| 42-5M | 42 | 66.85 | 65.71 | 200 | 200 |
| 44-5M | 44 | 70.03 | 68.89 | 200 | 200 |
| 45-5M | 45 | 71.62 | 70.48 | 200 | 200 |
| 46-5M | 46 | 73.21 | 72.07 | 200 | 200 |
| 48-5M | 48 | 76.39 | 75.25 | 200 | 200 |
| 50-5M | 50 | 79.58 | 78.43 | 200 | 200 |
| 54-5M | 54 | 85.94 | 84.80 | 200 | 200 |
| 60-5M | 60 | 95.49 | 94.35 | 200 | 200 |
| 62-5M | 62 | 98.68 | 97.54 | 200 | 200 |
| 72-5M | 72 | 114.59 | 113.45 | 200 | 200 |

Special Note

We can also supply the flanges of the above timing belt pulleys separately. The customers can order flanges according to the corresponding pulleys part numbers.

T/AT Timing pulley



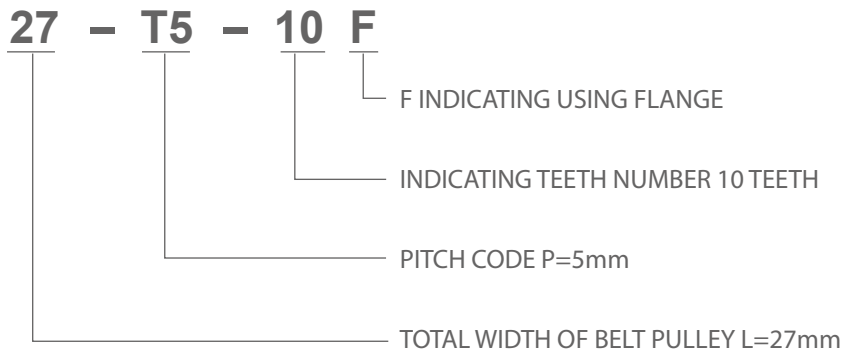
P=Pitch
e=Actual Outer Circle Diameter For Timing Belt Pulley
p=Pitch Circle Diameter For Timing Belt Pulley

Special Note

T/AT timing belt pulleys are made of alloy aluminium
Anodizing can be done according to the customers' requirements.

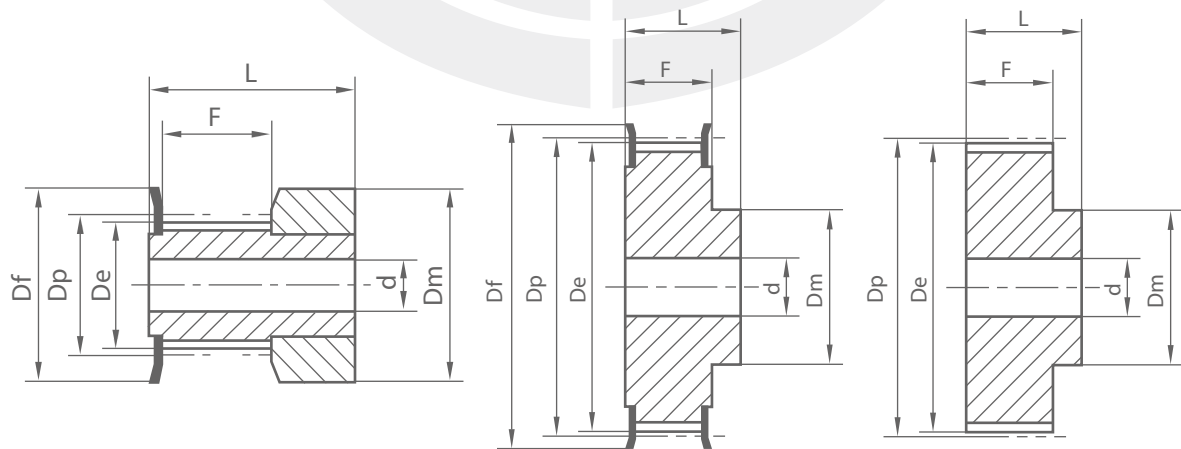
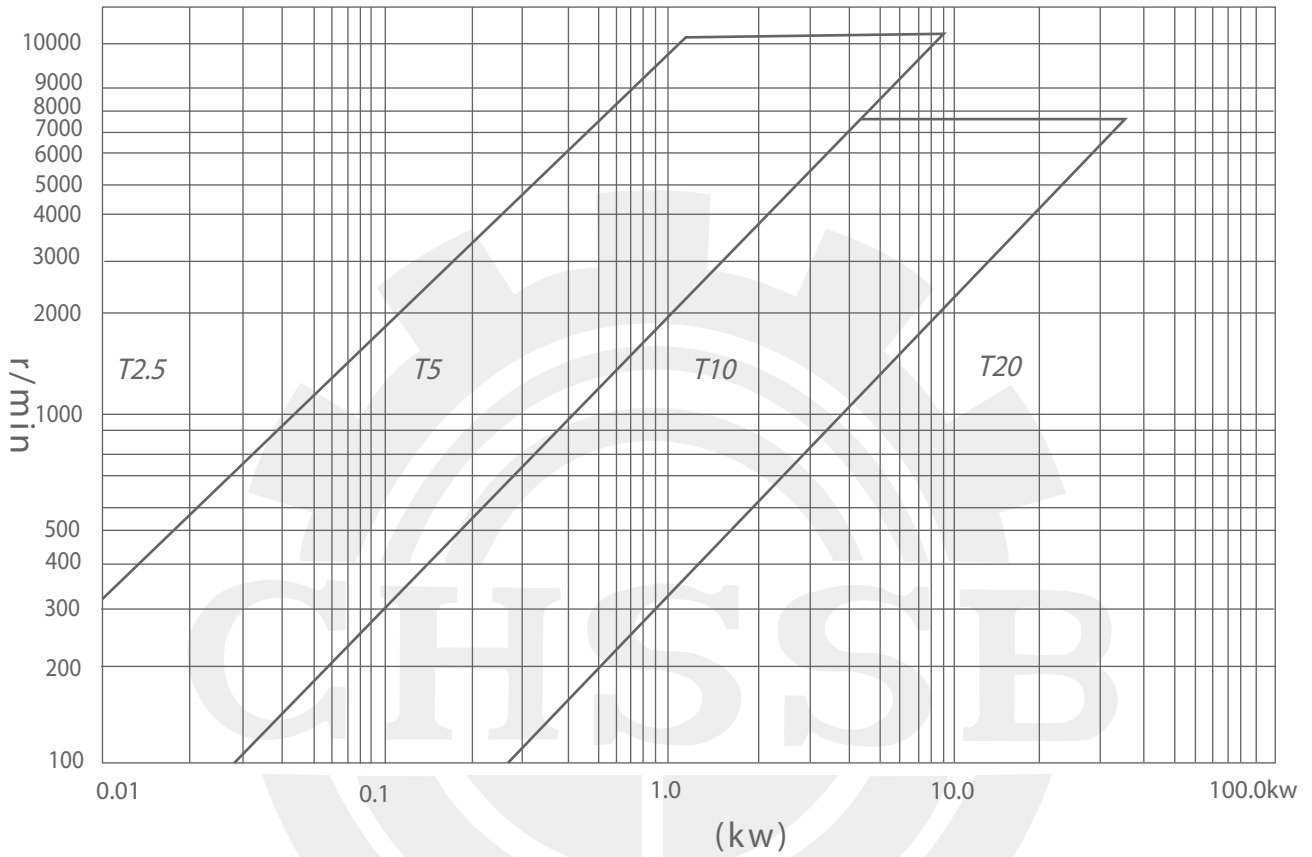
SPECIFICATION AND TYPE FOR TIMING BELT PULLEY

EXAMPLE:



T/AT Timing pulley

DESIGN HORSEPOWER (HORSEPOWER SERVICE FACTOR)

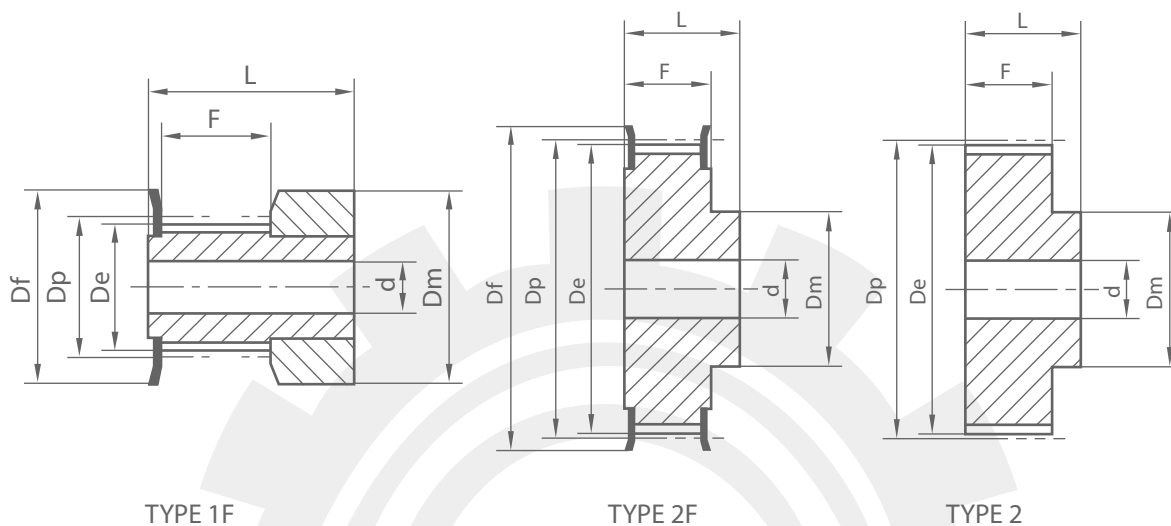


TYPE 1F

TYPE 2F

TYPE 2

T/AT Timing pulley

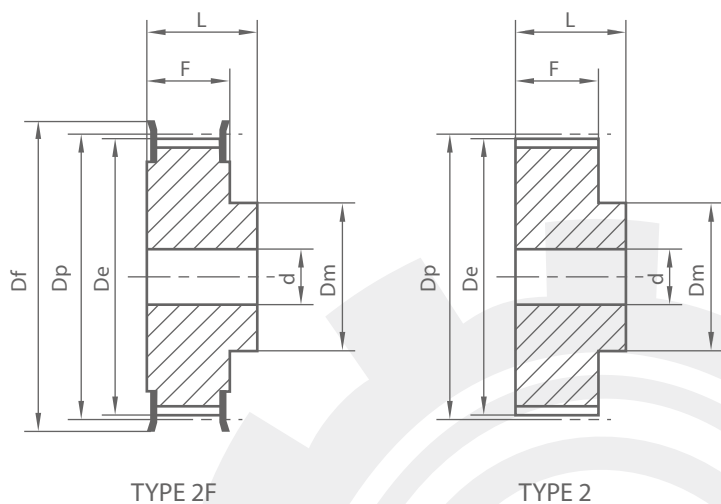


T2.5-16 PITCH=2.5mm FOR BELT WIDTH=6mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-------------|------|----|-------|------|----|----|----|---|
| 16-T2.5-12F | 1F | 12 | 9.00 | 13 | 12 | 9 | 16 | - |
| 16-T2.5-14F | 1F | 14 | 10.60 | 15 | 14 | 9 | 16 | - |
| 16-T2.5-15F | 1F | 15 | 11.40 | 15 | 15 | 9 | 16 | - |
| 16-T2.5-16F | 1F | 16 | 12.2 | 16 | 16 | 9 | 16 | - |
| 16-T2.5-18F | 2F | 18 | 13.80 | 17.5 | 10 | 10 | 16 | - |
| 16-T2.5-19F | 2F | 19 | 14.60 | 18 | 10 | 10 | 16 | - |
| 16-T2.5-20F | 2F | 20 | 15.40 | 19.5 | 11 | 10 | 16 | - |
| 16-T2.5-22F | 2F | 22 | 17.00 | 23 | 11 | 10 | 16 | - |
| 16-T2.5-24F | 2F | 24 | 18.55 | 23 | 12 | 10 | 16 | - |
| 16-T2.5-25F | 2F | 25 | 19.35 | 23 | 13 | 10 | 16 | - |
| 16-T2.5-26F | 2F | 26 | 20.15 | 25 | 14 | 10 | 16 | - |
| 16-T2.5-28F | 2F | 28 | 21.75 | 25 | 14 | 10 | 16 | - |
| 16-T2.5-30F | 2F | 30 | 23.35 | 28 | 16 | 10 | 16 | 6 |
| 16-T2.5-32F | 2F | 32 | 24.95 | 32 | 16 | 10 | 16 | 6 |
| 16-T2.5-36F | 2F | 36 | 28.10 | 37 | 20 | 10 | 16 | 6 |
| 16-T2.5-40F | 2F | 40 | 31.30 | 38 | 22 | 10 | 16 | 6 |
| 16-T2.5-44 | 2 | 44 | 34.50 | — | 24 | 10 | 16 | 6 |
| 16-T2.5-48 | 2 | 48 | 37.70 | — | 26 | 10 | 16 | 6 |
| 16-T2.5-60 | 2 | 60 | 47.25 | — | 34 | 10 | 16 | 8 |

T/AT Timing pulley

S_{Stock}
B_{ore}

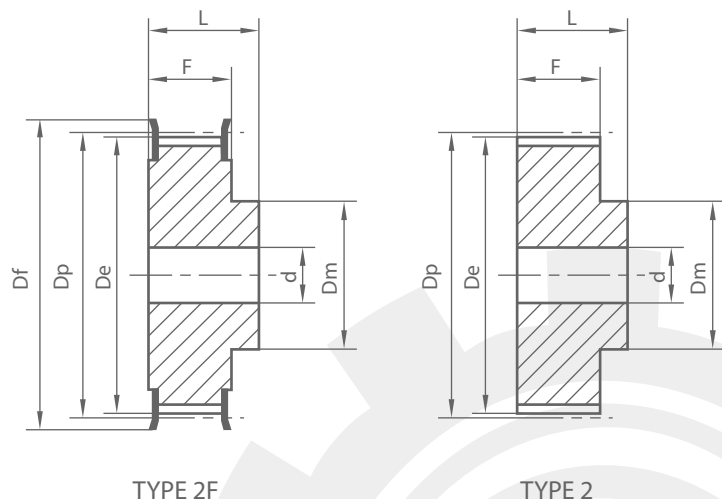


T5-21

PITCH=5mm FOR BELT WIDTH=10mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-----------|------|----|-------|------|----|----|----|---|
| 21-T5-10F | 2F | 10 | 15.05 | 19.5 | 8 | 15 | 21 | 6 |
| 21-T5-12F | 2F | 12 | 18.25 | 23 | 10 | 15 | 21 | 6 |
| 21-T5-14F | 2F | 14 | 21.45 | 25 | 13 | 15 | 21 | 6 |
| 21-T5-15F | 2F | 15 | 23.05 | 28 | 16 | 15 | 21 | 6 |
| 21-T5-16F | 2F | 16 | 24.60 | 32 | 18 | 15 | 21 | 6 |
| 21-T5-18F | 2F | 18 | 27.80 | 32 | 20 | 15 | 21 | 6 |
| 21-T5-19F | 2F | 19 | 29.40 | 37 | 22 | 15 | 21 | 6 |
| 21-T5-20F | 2F | 20 | 31.00 | 37 | 23 | 15 | 21 | 6 |
| 21-T5-22F | 2F | 22 | 34.25 | 38 | 24 | 15 | 21 | 6 |
| 21-T5-24F | 2F | 24 | 37.40 | 43 | 26 | 15 | 21 | 6 |
| 21-T5-25F | 2F | 25 | 38.95 | 44 | 26 | 15 | 21 | 6 |
| 21-T5-26F | 2F | 26 | 40.60 | 44 | 26 | 15 | 21 | 6 |
| 21-T5-27F | 2F | 27 | 42.20 | 48 | 30 | 15 | 21 | 8 |
| 21-T5-28F | 2F | 28 | 43.75 | 48 | 32 | 15 | 21 | 8 |
| 21-T5-30F | 2F | 30 | 46.95 | 51 | 34 | 15 | 21 | 8 |
| 21-T5-32F | 2F | 32 | 50.10 | 54 | 38 | 15 | 21 | 8 |
| 21-T5-36F | 2F | 36 | 56.45 | 61 | 38 | 15 | 21 | 8 |
| 21-T5-40F | 2F | 40 | 62.85 | 67 | 40 | 15 | 21 | 8 |
| 21-T5-42F | 2F | 42 | 66.00 | 70 | 40 | 15 | 21 | 8 |
| 21-T5-44 | 2 | 44 | 69.20 | — | 45 | 15 | 21 | 8 |
| 21-T5-48 | 2 | 48 | 75.55 | — | 50 | 15 | 21 | 8 |
| 21-T5-60 | 2 | 60 | 94.65 | — | 65 | 15 | 21 | 8 |

T/AT Timing pulley



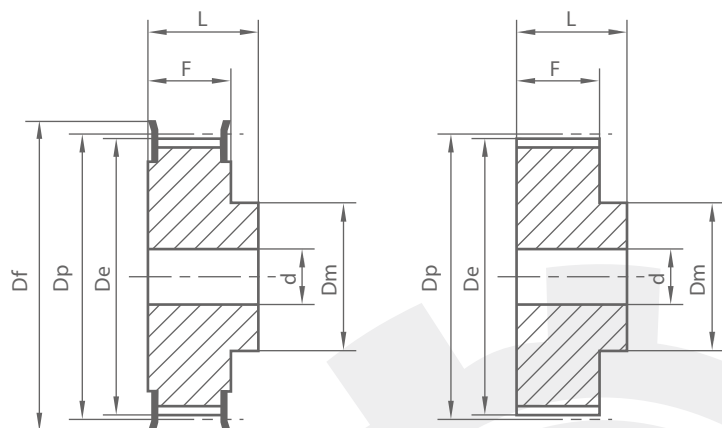
T5-27

PITCH=5mm FOR BELT WIDTH=16mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-----------|------|----|-------|------|----|----|----|---|
| 27-T5-10F | 2F | 10 | 15.05 | 19.5 | 8 | 21 | 27 | 6 |
| 27-T5-12F | 2F | 12 | 18.25 | 23 | 10 | 21 | 27 | 6 |
| 27-T5-14F | 2F | 14 | 21.45 | 25 | 13 | 21 | 27 | 6 |
| 27-T5-15F | 2F | 15 | 23.05 | 28 | 16 | 21 | 27 | 6 |
| 27-T5-16F | 2F | 16 | 24.60 | 32 | 18 | 21 | 27 | 6 |
| 27-T5-18F | 2F | 18 | 27.80 | 32 | 20 | 21 | 27 | 6 |
| 27-T5-19F | 2F | 19 | 29.40 | 37 | 22 | 21 | 27 | 6 |
| 27-T5-20F | 2F | 20 | 31.00 | 37 | 23 | 21 | 27 | 6 |
| 27-T5-22F | 2F | 22 | 34.25 | 38 | 24 | 21 | 27 | 6 |
| 27-T5-24F | 2F | 24 | 37.40 | 43 | 26 | 21 | 27 | 6 |
| 27-T5-25F | 2F | 25 | 38.95 | 44 | 26 | 21 | 27 | 6 |
| 27-T5-26F | 2F | 26 | 40.60 | 44 | 26 | 21 | 27 | 6 |
| 27-T5-27F | 2F | 27 | 42.20 | 48 | 30 | 21 | 27 | 8 |
| 27-T5-28F | 2F | 28 | 43.75 | 48 | 32 | 21 | 27 | 8 |
| 27-T5-30F | 2F | 30 | 46.95 | 51 | 34 | 21 | 27 | 8 |
| 27-T5-32F | 2F | 32 | 50.10 | 54 | 38 | 21 | 27 | 8 |
| 27-T5-36F | 2F | 36 | 56.45 | 61 | 38 | 21 | 27 | 8 |
| 27-T5-40F | 2F | 40 | 62.85 | 67 | 40 | 21 | 27 | 8 |
| 27-T5-42F | 2F | 42 | 66.00 | 70 | 40 | 21 | 27 | 8 |
| 27-T5-44 | 2 | 44 | 69.20 | — | 45 | 21 | 27 | 8 |
| 27-T5-48 | 2 | 48 | 75.55 | — | 50 | 21 | 27 | 8 |
| 27-T5-60 | 2 | 60 | 94.65 | — | 65 | 21 | 27 | 8 |

T/AT Timing pulley

S_{tock}
B_{ore}



TYPE 2F

TYPE 2

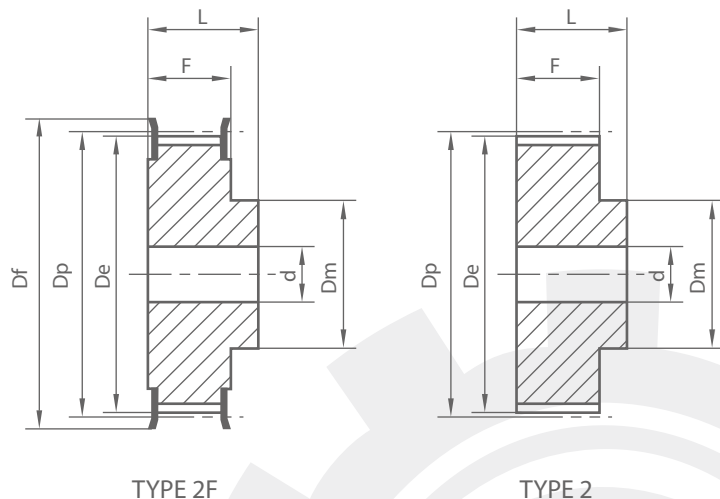


T5-36

PITCH=5mm FOR BELT WIDTH=25mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-----------|------|----|-------|------|----|----|----|---|
| 36-T5-10F | 2F | 10 | 15.05 | 19.5 | 8 | 30 | 36 | 6 |
| 36-T5-12F | 2F | 12 | 18.25 | 23 | 10 | 30 | 36 | 6 |
| 36-T5-14F | 2F | 14 | 21.45 | 25 | 13 | 30 | 36 | 6 |
| 36-T5-15F | 2F | 15 | 23.05 | 28 | 16 | 30 | 36 | 6 |
| 36-T5-16F | 2F | 16 | 24.60 | 32 | 18 | 30 | 36 | 6 |
| 36-T5-18F | 2F | 18 | 27.80 | 32 | 20 | 30 | 36 | 6 |
| 36-T5-19F | 2F | 19 | 29.40 | 37 | 22 | 30 | 36 | 6 |
| 36-T5-20F | 2F | 20 | 31.00 | 37 | 23 | 30 | 36 | 6 |
| 36-T5-22F | 2F | 22 | 34.25 | 38 | 24 | 30 | 36 | 6 |
| 36-T5-24F | 2F | 24 | 37.40 | 43 | 26 | 30 | 36 | 6 |
| 36-T5-25F | 2F | 25 | 38.95 | 44 | 26 | 30 | 36 | 6 |
| 36-T5-26F | 2F | 26 | 40.60 | 44 | 26 | 30 | 36 | 6 |
| 36-T5-27F | 2F | 27 | 42.20 | 48 | 30 | 30 | 36 | 8 |
| 36-T5-28F | 2F | 28 | 43.75 | 48 | 32 | 30 | 36 | 8 |
| 36-T5-30F | 2F | 30 | 46.95 | 51 | 34 | 30 | 36 | 8 |
| 36-T5-32F | 2F | 32 | 50.10 | 54 | 38 | 30 | 36 | 8 |
| 36-T5-36F | 2F | 36 | 56.45 | 61 | 38 | 30 | 36 | 8 |
| 36-T5-40F | 2F | 40 | 62.85 | 67 | 40 | 30 | 36 | 8 |
| 36-T5-42F | 2F | 42 | 66.00 | 70 | 40 | 30 | 36 | 8 |
| 36-T5-44 | 2 | 44 | 69.20 | — | 45 | 30 | 36 | 8 |
| 36-T5-48 | 2 | 48 | 75.55 | — | 50 | 30 | 36 | 8 |
| 36-T5-60 | 2 | 60 | 94.65 | — | 65 | 30 | 36 | 8 |

T/AT Timing pulley

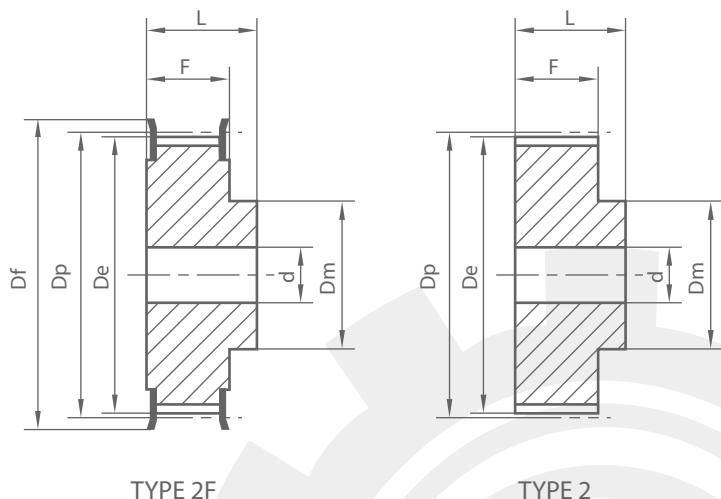


T10-31 PITCH=10mm FOR BELT WIDTH=16mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|--------|-----|-----|----|----|----|
| 31-T10-12F | 2F | 12 | 36.35 | 43 | 28 | 21 | 31 | 6 |
| 31-T10-14F | 2F | 14 | 42.70 | 48 | 32 | 21 | 31 | 8 |
| 31-T10-15F | 2F | 15 | 45.90 | 51 | 32 | 21 | 31 | 8 |
| 31-T10-16F | 2F | 16 | 49.10 | 54 | 35 | 21 | 31 | 8 |
| 31-T10-18F | 2F | 18 | 55.45 | 60 | 40 | 21 | 31 | 8 |
| 31-T10-19F | 2F | 19 | 58.65 | 67 | 44 | 21 | 31 | 8 |
| 31-T10-20F | 2F | 20 | 61.80 | 67 | 46 | 21 | 31 | 8 |
| 31-T10-22F | 2F | 22 | 68.20 | 75 | 52 | 21 | 31 | 8 |
| 31-T10-24F | 2F | 24 | 74.55 | 83 | 58 | 21 | 31 | 8 |
| 31-T10-25F | 2F | 25 | 77.75 | 83 | 60 | 21 | 31 | 8 |
| 31-T10-26F | 2F | 26 | 80.90 | 87 | 60 | 21 | 31 | 8 |
| 31-T10-27F | 2F | 27 | 84.10 | 91 | 60 | 21 | 31 | 8 |
| 31-T10-28F | 2F | 28 | 87.25 | 94 | 60 | 21 | 31 | 8 |
| 31-T10-30F | 2F | 30 | 93.65 | 97 | 60 | 21 | 31 | 8 |
| 31-T10-32F | 2F | 32 | 100.00 | 112 | 65 | 21 | 31 | 10 |
| 31-T10-36F | 2F | 36 | 112.75 | 120 | 70 | 21 | 31 | 10 |
| 31-T10-40F | 2F | 40 | 125.45 | 135 | 80 | 21 | 31 | 10 |
| 31-T10-44 | 2 | 44 | 138.20 | — | 88 | 21 | 31 | 10 |
| 31-T10-48 | 2 | 48 | 150.95 | — | 95 | 21 | 31 | 16 |
| 31-T10-60 | 2 | 60 | 189.15 | — | 110 | 21 | 31 | 16 |

T/AT Timing pulley

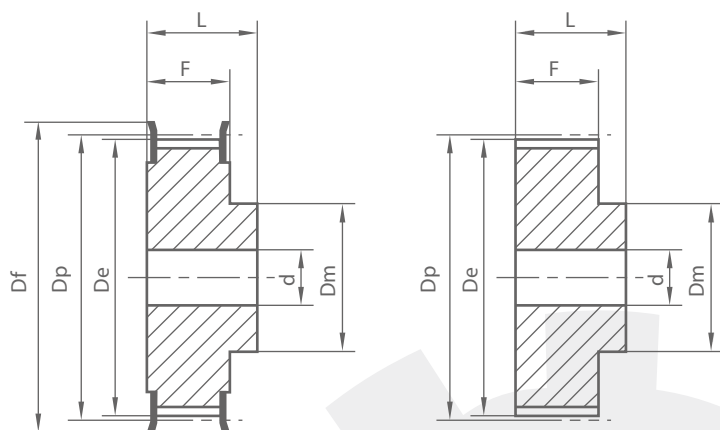
S_{tock}
B_{ore}



T10-40 PITCH=10mm FOR BELT WIDTH=25mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|--------|-----|-----|----|----|----|
| 40-T10-12F | 2F | 12 | 36.35 | 43 | 28 | 30 | 40 | 6 |
| 40-T10-14F | 2F | 14 | 42.70 | 48 | 32 | 30 | 40 | 8 |
| 40-T10-15F | 2F | 15 | 45.90 | 51 | 32 | 30 | 40 | 8 |
| 40-T10-16F | 2F | 16 | 49.10 | 54 | 35 | 30 | 40 | 8 |
| 40-T10-18F | 2F | 18 | 55.45 | 60 | 40 | 30 | 40 | 8 |
| 40-T10-19F | 2F | 19 | 58.65 | 67 | 44 | 30 | 40 | 8 |
| 40-T10-20F | 2F | 20 | 61.80 | 67 | 46 | 30 | 40 | 8 |
| 40-T10-22F | 2F | 22 | 68.20 | 75 | 52 | 30 | 40 | 8 |
| 40-T10-24F | 2F | 24 | 74.55 | 83 | 58 | 30 | 40 | 8 |
| 40-T10-25F | 2F | 25 | 77.75 | 83 | 60 | 30 | 40 | 8 |
| 40-T10-26F | 2F | 26 | 80.90 | 87 | 60 | 30 | 40 | 8 |
| 40-T10-27F | 2F | 27 | 84.10 | 91 | 60 | 30 | 40 | 8 |
| 40-T10-28F | 2F | 28 | 87.25 | 94 | 60 | 30 | 40 | 8 |
| 40-T10-30F | 2F | 30 | 93.65 | 97 | 60 | 30 | 40 | 8 |
| 40-T10-32F | 2F | 32 | 100.00 | 112 | 65 | 30 | 40 | 10 |
| 40-T10-36F | 2F | 36 | 112.75 | 120 | 70 | 30 | 40 | 10 |
| 40-T10-40F | 2F | 40 | 125.45 | 135 | 80 | 30 | 40 | 10 |
| 40-T10-44 | 2 | 44 | 138.20 | — | 88 | 30 | 40 | 10 |
| 40-T10-48 | 2 | 48 | 150.95 | — | 95 | 30 | 40 | 16 |
| 40-T10-60 | 2 | 60 | 189.15 | — | 110 | 30 | 40 | 16 |

T/AT Timing pulley



TYPE 2F

TYPE 2



T10-47

PITCH=10mm FOR BELT WIDTH=30mm

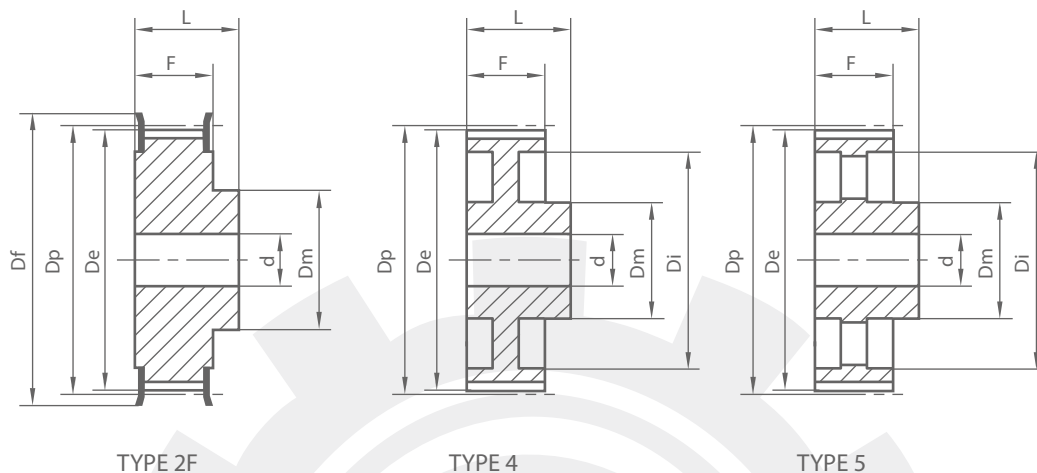
| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|--------|-----|-----|----|----|----|
| 47-T10-18F | 2F | 18 | 55.45 | 60 | 40 | 37 | 47 | 10 |
| 47-T10-19F | 2F | 19 | 58.65 | 67 | 44 | 37 | 47 | 10 |
| 47-T10-20F | 2F | 20 | 61.80 | 67 | 46 | 37 | 47 | 12 |
| 47-T10-22F | 2F | 22 | 68.20 | 75 | 52 | 37 | 47 | 12 |
| 47-T10-24F | 2F | 24 | 74.55 | 83 | 58 | 37 | 47 | 12 |
| 47-T10-25F | 2F | 25 | 77.75 | 83 | 60 | 37 | 47 | 12 |
| 47-T10-26F | 2F | 26 | 80.90 | 87 | 60 | 37 | 47 | 12 |
| 47-T10-27F | 2F | 27 | 84.10 | 91 | 60 | 37 | 47 | 12 |
| 47-T10-28F | 2F | 28 | 87.25 | 94 | 60 | 37 | 47 | 12 |
| 47-T10-30F | 2F | 30 | 93.65 | 97 | 60 | 37 | 47 | 12 |
| 47-T10-32F | 2F | 32 | 100.00 | 112 | 65 | 37 | 47 | 12 |
| 47-T10-36F | 2F | 36 | 112.75 | 120 | 70 | 37 | 47 | 16 |
| 47-T10-40F | 2F | 40 | 125.45 | 135 | 80 | 37 | 47 | 16 |
| 47-T10-44 | 2 | 44 | 138.20 | — | 88 | 37 | 47 | 16 |
| 47-T10-48 | 2 | 48 | 150.95 | — | 95 | 37 | 47 | 16 |
| 47-T10-60 | 2 | 60 | 189.10 | — | 110 | 37 | 47 | 16 |

T10-66

PITCH=10mm FOR BELT WIDTH=50mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|--------|-----|-----|----|----|----|
| 66-T10-18F | 2F | 18 | 55.45 | 60 | 40 | 56 | 66 | 10 |
| 66-T10-19F | 2F | 19 | 58.65 | 67 | 44 | 56 | 66 | 10 |
| 66-T10-20F | 2F | 20 | 61.80 | 67 | 46 | 56 | 66 | 12 |
| 66-T10-22F | 2F | 22 | 68.20 | 75 | 52 | 56 | 66 | 12 |
| 66-T10-24F | 2F | 24 | 74.55 | 83 | 58 | 56 | 66 | 12 |
| 66-T10-25F | 2F | 25 | 77.75 | 83 | 60 | 56 | 66 | 12 |
| 66-T10-26F | 2F | 26 | 80.90 | 87 | 60 | 56 | 66 | 12 |
| 66-T10-27F | 2F | 27 | 84.10 | 94 | 60 | 56 | 66 | 12 |
| 66-T10-28F | 2F | 28 | 87.25 | 93 | 60 | 56 | 66 | 12 |
| 66-T10-30F | 2F | 30 | 93.65 | 97 | 60 | 56 | 66 | 12 |
| 66-T10-32F | 2F | 32 | 100.00 | 112 | 65 | 56 | 66 | 12 |
| 66-T10-36F | 2F | 36 | 112.75 | 120 | 70 | 56 | 66 | 16 |
| 66-T10-40F | 2F | 40 | 125.45 | 135 | 80 | 56 | 66 | 16 |
| 66-T10-44 | 2 | 44 | 138.20 | — | 88 | 56 | 66 | 16 |
| 66-T10-48 | 2 | 48 | 150.95 | — | 95 | 56 | 66 | 16 |
| 66-T10-60 | 2 | 60 | 189.10 | — | 110 | 56 | 66 | 16 |

T/AT Timing pulley



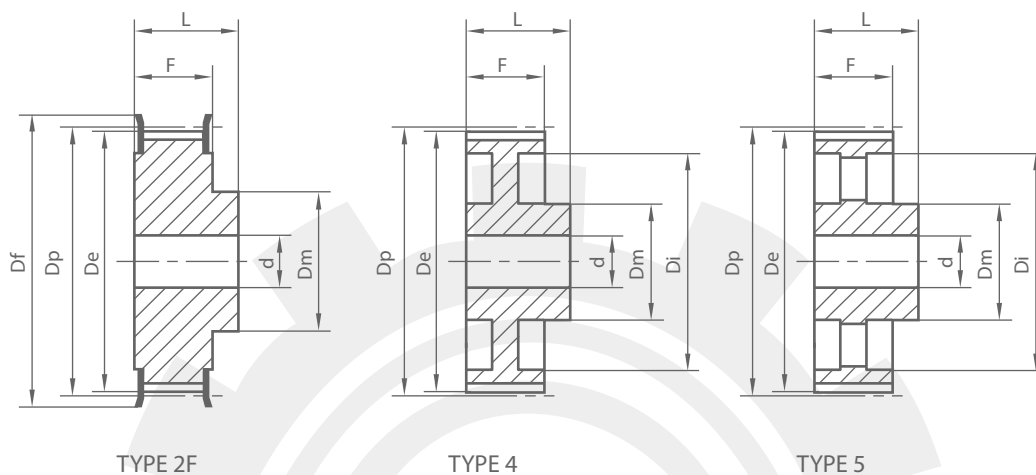
T20-53 PITCH=20mm FOR BELT WIDTH=32mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|--------|-----|-----|----|----|----|
| 53-T20-18F | 2F | 18 | 111.75 | 120 | 80 | 38 | 53 | 16 |
| 53-T20-20F | 2F | 20 | 124.50 | 142 | 90 | 38 | 53 | 16 |
| 53-T20-22F | 2F | 22 | 137.20 | 150 | 90 | 38 | 53 | 16 |
| 53-T20-24F | 2F | 24 | 149.95 | 158 | 95 | 38 | 53 | 16 |
| 53-T20-25F | 2F | 25 | 156.30 | 168 | 95 | 38 | 53 | 16 |
| 53-T20-30F | 2F | 30 | 188.15 | 200 | 110 | 38 | 53 | 16 |
| 53-T20-32F | 4 | 32 | 200.85 | 216 | 110 | 38 | 53 | 18 |
| 53-T20-36F | 4 | 36 | 226.35 | — | 110 | 38 | 53 | 18 |
| 53-T20-40F | 5 | 40 | 251.80 | — | 110 | 38 | 53 | 20 |
| 53-T20-48F | 5 | 48 | 302.70 | — | 130 | 38 | 53 | 20 |
| 53-T20-60F | 5 | 60 | 379.10 | — | 130 | 38 | 53 | 20 |
| 53-T20-72F | 5 | 72 | 455.50 | — | 140 | 38 | 53 | 20 |

T20-71 PITCH=20mm FOR BELT WIDTH=50mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|--------|-----|-----|----|----|----|
| 71-T20-18F | 2F | 18 | 111.75 | 120 | 80 | 56 | 71 | 18 |
| 71-T20-20F | 2F | 20 | 124.50 | 142 | 90 | 56 | 71 | 18 |
| 71-T20-22F | 2F | 22 | 137.20 | 150 | 90 | 56 | 71 | 18 |
| 71-T20-24F | 2F | 24 | 149.95 | 158 | 95 | 56 | 71 | 18 |
| 71-T20-25F | 2F | 25 | 156.30 | 168 | 95 | 56 | 71 | 18 |
| 71-T20-30F | 2F | 30 | 188.15 | 200 | 110 | 56 | 71 | 18 |
| 71-T20-32F | 4 | 32 | 200.85 | 216 | 110 | 56 | 71 | 20 |
| 71-T20-36F | 4 | 36 | 226.35 | — | 110 | 56 | 71 | 20 |
| 77-T20-40F | 5 | 40 | 251.80 | — | 110 | 56 | 71 | 20 |
| 71-T20-48F | 5 | 48 | 302.70 | — | 130 | 56 | 71 | 24 |
| 71-T20-60F | 5 | 60 | 379.10 | — | 130 | 56 | 71 | 24 |
| 71-T20-72F | 5 | 72 | 455.50 | — | 140 | 56 | 71 | 24 |

T/AT Timing pulley



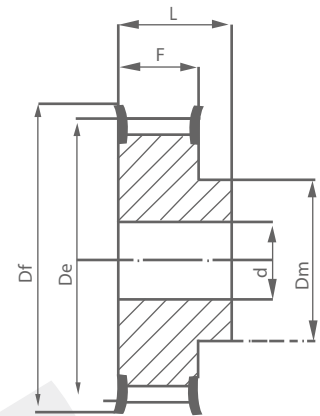
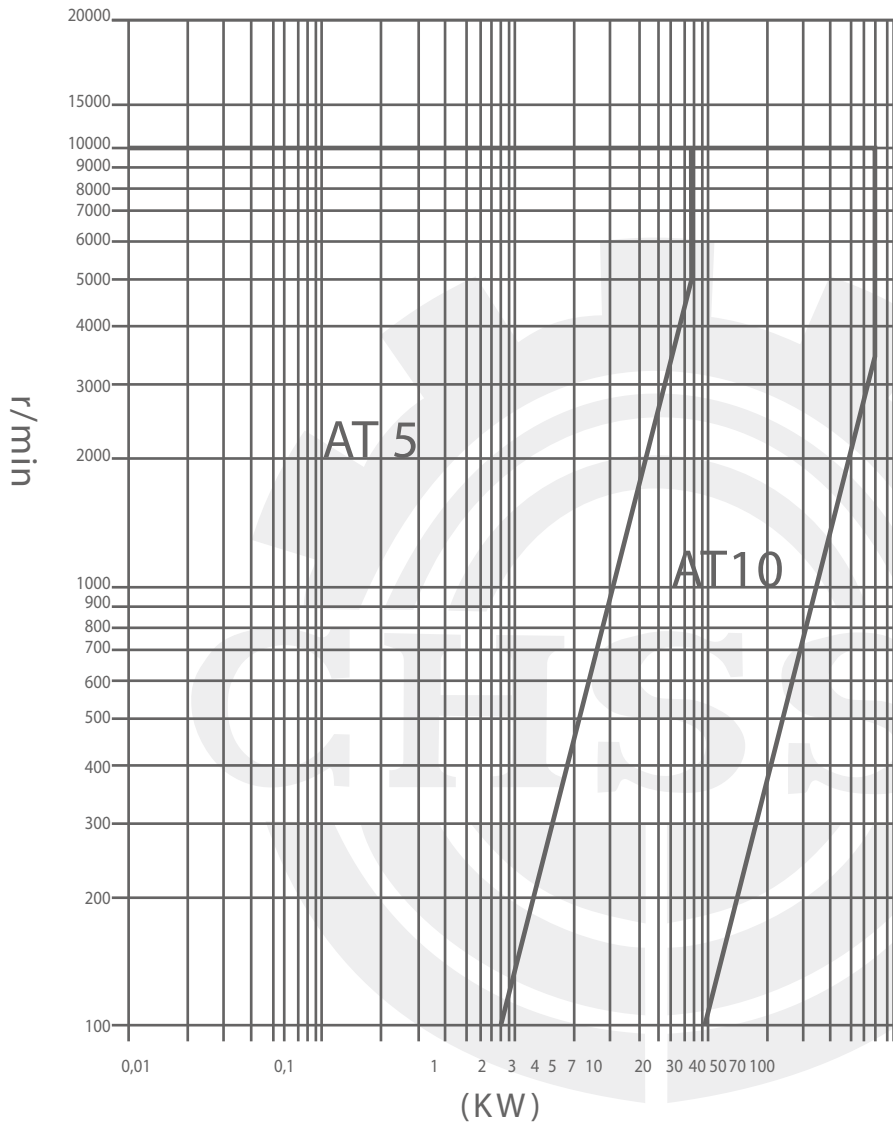
T20-123

PITCH=20mm FOR BELT WIDTH=100mm

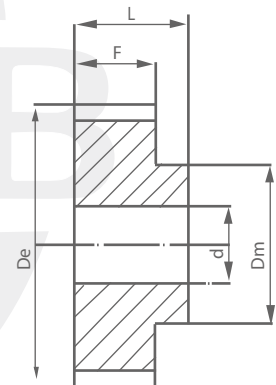
| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-------------|------|----|--------|-----|-----|-----|-----|----|
| 123-T20-18F | 2F | 18 | 111.75 | 120 | 80 | 108 | 123 | 24 |
| 123-T20-20F | 2F | 20 | 124.50 | 142 | 90 | 108 | 123 | 24 |
| 123-T20-22F | 2F | 22 | 137.20 | 150 | 90 | 108 | 123 | 24 |
| 123-T20-24F | 2F | 24 | 149.95 | 158 | 95 | 108 | 123 | 24 |
| 123-T20-25F | 2F | 25 | 156.30 | 168 | 95 | 108 | 123 | 24 |
| 123-T20-30F | 2F | 30 | 188.15 | 200 | 110 | 108 | 123 | 24 |
| 123-T20-32F | 4 | 32 | 200.85 | 216 | 110 | 108 | 123 | 24 |
| 123-T20-36F | 4 | 36 | 226.35 | — | 110 | 108 | 123 | 32 |
| 123-T20-40F | 5 | 40 | 251.80 | — | 110 | 108 | 123 | 32 |
| 123-T20-48F | 5 | 48 | 302.70 | — | 130 | 108 | 123 | 32 |
| 123-T20-60F | 5 | 60 | 379.10 | — | 130 | 108 | 123 | 32 |
| 123-T20-72F | 5 | 72 | 455.50 | — | 140 | 108 | 123 | 32 |

Timing pulley

DESIGN HORSEPOWER (HORSEPOWER SERVICE FACTOR)



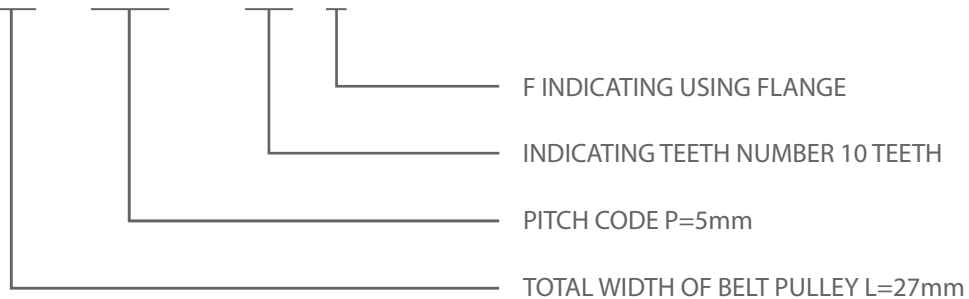
TYPE 2F



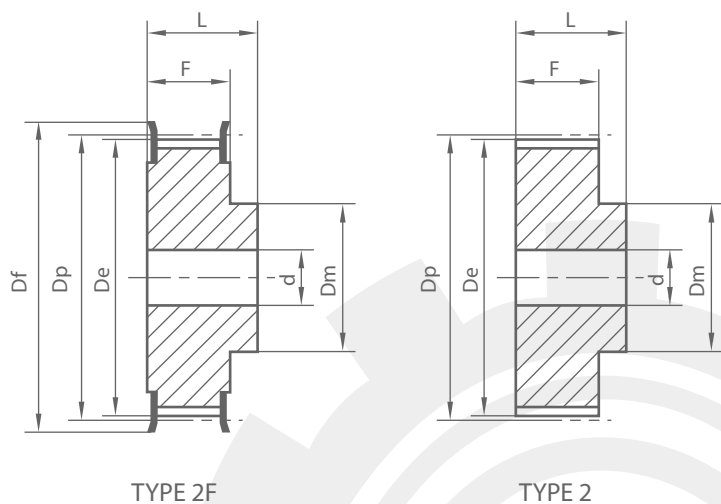
TYPE 2

EXAMPLE:

27 -AT5 - 10 F



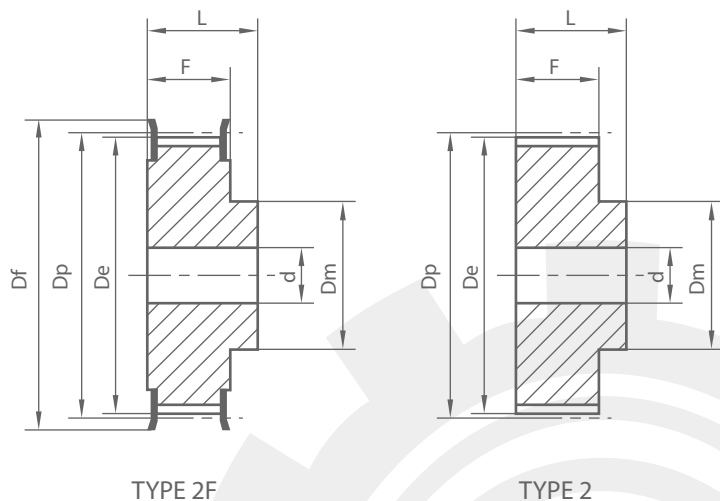
T/AT Timing pulley



AT5-21 PITCH=5mm FOR BELT WIDTH=10mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|-------|------|----|----|----|---|
| 21-AT5-12F | 2F | 12 | 17.85 | 23.0 | 10 | 15 | 21 | — |
| 21-AT5-14F | 2F | 14 | 21.05 | 25.0 | 13 | 15 | 21 | — |
| 21-AT5-15F | 2F | 15 | 22.65 | 28.0 | 16 | 15 | 21 | — |
| 21-AT5-16F | 2F | 16 | 24.20 | 32.0 | 18 | 15 | 21 | — |
| 21-AT5-18F | 2F | 18 | 27.40 | 32.0 | 20 | 15 | 21 | — |
| 21-AT5-19F | 2F | 19 | 29.00 | 37.0 | 22 | 15 | 21 | — |
| 21-AT5-20F | 2F | 20 | 30.60 | 37.0 | 23 | 15 | 21 | — |
| 21-AT5-22F | 2F | 22 | 33.85 | 38.0 | 24 | 15 | 21 | — |
| 21-AT5-24F | 2F | 24 | 37.00 | 43.0 | 26 | 15 | 21 | — |
| 21-AT5-25F | 2F | 25 | 38.55 | 44.0 | 26 | 15 | 21 | — |
| 21-AT5-26F | 2F | 26 | 40.20 | 44.0 | 26 | 15 | 21 | — |
| 21AT5-27F | 2F | 27 | 41.80 | 48.0 | 30 | 15 | 21 | 8 |
| 21-AT5-28F | 2F | 28 | 43.35 | 48.0 | 32 | 15 | 21 | 8 |
| 21-AT5-30F | 2F | 30 | 46.55 | 51.0 | 34 | 15 | 21 | 8 |
| 21-AT5-32F | 2F | 32 | 49.70 | 54.0 | 38 | 15 | 21 | 8 |
| 21-AT5-36F | 2F | 36 | 56.05 | 61.0 | 38 | 15 | 21 | 8 |
| 21-AT5-40F | 2F | 40 | 62.45 | 67.0 | 40 | 15 | 21 | 8 |
| 21-AT5-42F | 2F | 42 | 65.60 | 70.0 | 40 | 15 | 21 | 8 |
| 21-AT5-44 | 2 | 44 | 68.80 | — | 45 | 15 | 21 | 8 |
| 21-AT5-48 | 2 | 48 | 75.15 | — | 50 | 15 | 21 | 8 |
| 21-AT5-60 | 2 | 60 | 94.25 | — | 65 | 15 | 21 | 8 |

T/AT Timing pulley

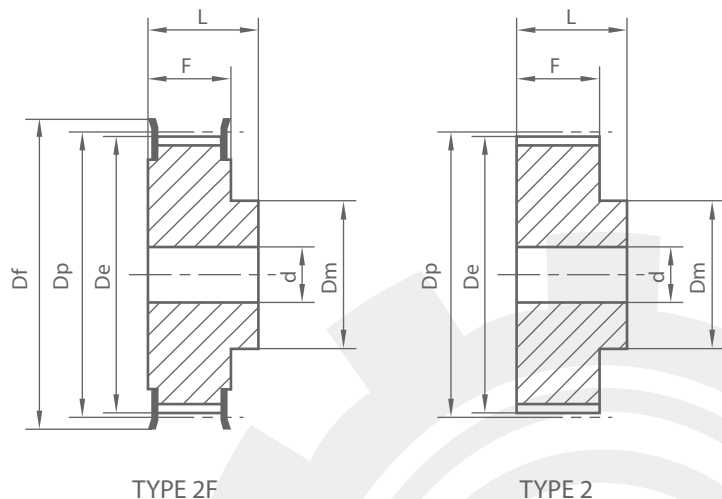


AT5-27 PITCH=5mm FOR BELT WIDTH=16mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|-------|------|----|----|----|---|
| 27-AT5-12F | 2F | 12 | 17.85 | 23.0 | 10 | 21 | 27 | — |
| 27-AT5-14F | 2F | 14 | 21.05 | 25.0 | 13 | 21 | 27 | — |
| 27-AT5-15F | 2F | 15 | 22.65 | 28.0 | 16 | 21 | 27 | — |
| 27-AT5-16F | 2F | 16 | 24.20 | 32.0 | 18 | 21 | 27 | — |
| 27-AT5-18F | 2F | 18 | 27.40 | 32.0 | 20 | 21 | 27 | — |
| 27-AT5-19F | 2F | 19 | 29.00 | 37.0 | 22 | 21 | 27 | — |
| 27-AT5-20F | 2F | 20 | 30.60 | 37.0 | 23 | 21 | 27 | — |
| 27-AT5-22F | 2F | 22 | 33.85 | 38.0 | 24 | 21 | 27 | — |
| 27-AT5-24F | 2F | 24 | 37.00 | 43.0 | 26 | 21 | 27 | — |
| 27-AT5-25F | 2F | 25 | 38.55 | 44.0 | 26 | 21 | 27 | — |
| 27-AT5-26F | 2F | 26 | 40.20 | 44.0 | 26 | 21 | 27 | 6 |
| 27-AT5-27F | 2F | 27 | 41.80 | 48.0 | 30 | 21 | 27 | 8 |
| 27-AT5-28F | 2F | 28 | 43.35 | 48.0 | 32 | 21 | 27 | 8 |
| 27-AT5-30F | 2F | 30 | 46.55 | 51.0 | 34 | 21 | 27 | 8 |
| 27-AT5-32F | 2F | 32 | 49.70 | 54.0 | 38 | 21 | 27 | 8 |
| 27-AT5-36F | 2F | 36 | 56.05 | 61.0 | 38 | 21 | 27 | 8 |
| 27-AT5-40F | 2F | 40 | 62.45 | 67.0 | 40 | 21 | 27 | 8 |
| 27-AT5-42F | 2F | 42 | 65.60 | 70.0 | 40 | 21 | 27 | 8 |
| 27-AT5-44 | 2 | 44 | 68.80 | — | 45 | 21 | 27 | 8 |
| 27-AT5-48 | 2 | 48 | 75.15 | — | 50 | 21 | 27 | 8 |
| 27-AT5-60 | 2 | 60 | 94.25 | — | 65 | 21 | 27 | 8 |

T/AT Timing pulley

S_{tock}
B_{ore}



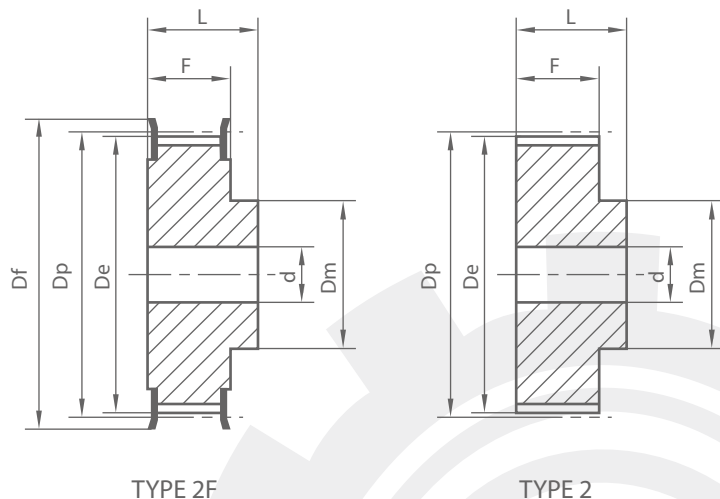
AT5-36

PITCH=5mm FOR BELT WIDTH=25mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|------------|------|----|-------|------|----|----|----|---|
| 36-AT5-12F | 2F | 12 | 17.85 | 23.0 | 10 | 30 | 36 | — |
| 36-AT5-14F | 2F | 14 | 21.05 | 25.0 | 13 | 30 | 36 | — |
| 36-AT5-15F | 2F | 15 | 22.65 | 28.0 | 16 | 30 | 36 | — |
| 36-AT5-16F | 2F | 16 | 24.20 | 32.0 | 18 | 30 | 36 | — |
| 36-AT5-18F | 2F | 18 | 27.40 | 32.0 | 20 | 30 | 36 | — |
| 36-AT5-19F | 2F | 19 | 29.00 | 37.0 | 22 | 30 | 36 | — |
| 36-AT5-20F | 2F | 20 | 30.60 | 37.0 | 23 | 30 | 36 | — |
| 36-AT5-22F | 2F | 22 | 33.85 | 38.0 | 24 | 30 | 36 | — |
| 36-AT5-24F | 2F | 24 | 37.00 | 43.0 | 26 | 30 | 36 | 8 |
| 36-AT5-25F | 2F | 25 | 38.55 | 44.0 | 26 | 30 | 36 | 8 |
| 36-AT5-26F | 2F | 26 | 40.20 | 44.0 | 26 | 30 | 36 | 8 |
| 36-AT5-27F | 2F | 27 | 41.80 | 48.0 | 30 | 30 | 36 | 8 |
| 36-AT5-18F | 2F | 28 | 43.35 | 48.0 | 32 | 30 | 36 | 8 |
| 36-AT5-30F | 2F | 30 | 46.55 | 51.0 | 34 | 30 | 36 | 8 |
| 36-AT5-32F | 2F | 32 | 49.70 | 54.0 | 38 | 30 | 36 | 8 |
| 36-AT5-36F | 2F | 36 | 56.05 | 61.0 | 38 | 30 | 36 | 8 |
| 36-AT5-40F | 2F | 40 | 62.45 | 67.0 | 40 | 30 | 36 | 8 |
| 36-AT5-42F | 2F | 42 | 65.60 | 70.0 | 40 | 30 | 36 | 8 |
| 36-AT5-44 | 2 | 44 | 68.80 | — | 45 | 30 | 36 | 8 |
| 36-AT5-48 | 2 | 48 | 75.15 | — | 50 | 30 | 36 | 8 |
| 36-AT5-60 | 2 | 60 | 94.25 | — | 65 | 30 | 36 | 8 |

T/AT Timing pulley

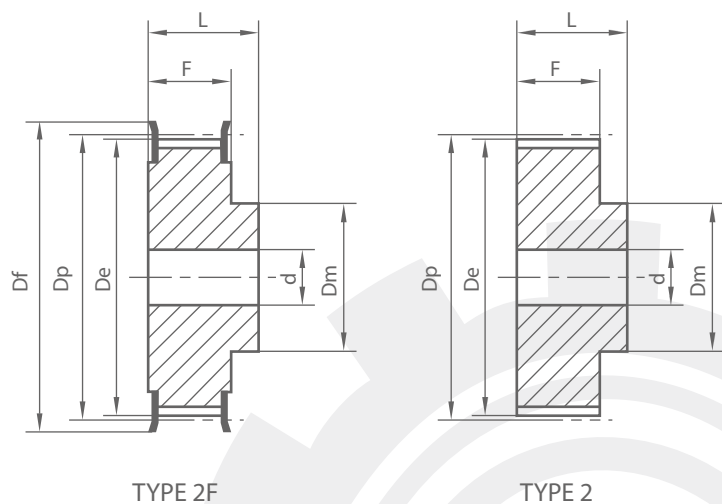
S_{tock}
B_{ore}



AT10-31 PITCH=10mm FOR BELT WIDTH=16mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-------------|------|----|--------|-----|-----|----|----|----|
| 31-AT10-15F | 2F | 15 | 45.90 | 51 | 32 | 21 | 31 | 8 |
| 31-AT10-16F | 2F | 16 | 49.10 | 54 | 35 | 21 | 31 | 8 |
| 31-AT10-18F | 2F | 18 | 55.45 | 60 | 40 | 21 | 31 | 8 |
| 31-AT10-19F | 2F | 19 | 58.65 | 67 | 44 | 21 | 31 | 8 |
| 31AT10-20F | 2F | 20 | 61.80 | 67 | 46 | 21 | 31 | 8 |
| 31AT10-22F | 2F | 22 | 68.20 | 75 | 52 | 21 | 31 | 8 |
| 31-AT10-24F | 2F | 24 | 74.55 | 83 | 58 | 21 | 31 | 8 |
| 31-AT10-25F | 2F | 25 | 77.75 | 83 | 60 | 21 | 31 | 8 |
| 31-AT10-26F | 2F | 26 | 80.90 | 87 | 60 | 21 | 31 | 8 |
| 31-AT10-27F | 2F | 27 | 84.05 | 91 | 60 | 21 | 31 | 8 |
| 31-AT10-28F | 2F | 28 | 87.25 | 94 | 60 | 21 | 31 | 8 |
| 31-AT10-30F | 2F | 30 | 93.65 | 97 | 60 | 21 | 31 | 8 |
| 31-AT10-32F | 2F | 32 | 100.00 | 112 | 65 | 21 | 31 | 10 |
| 31-AT10-36F | 2F | 36 | 112.75 | 120 | 70 | 21 | 31 | 10 |
| 31-AT10-40F | 2F | 40 | 125.45 | 135 | 80 | 21 | 31 | 10 |
| 31-AT10-44 | 2 | 44 | 138.20 | — | 88 | 21 | 31 | 10 |
| 31-AT10-48 | 2 | 48 | 150.95 | — | 95 | 21 | 31 | 16 |
| 31-AT10-60 | 2 | 60 | 189.15 | — | 110 | 21 | 31 | 16 |

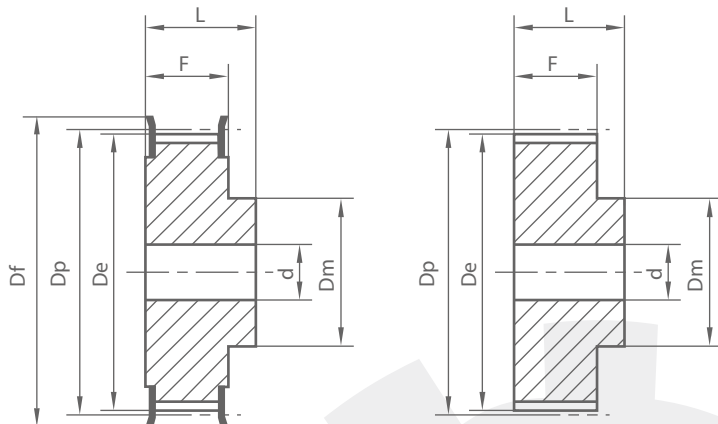
T/AT Timing pulley



AT10-40 PITCH=10mm FOR BELT WIDTH=25mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-------------|------|----|--------|-----|-----|----|----|----|
| 40-AT10-15F | 2F | 15 | 45.90 | 51 | 32 | 30 | 40 | 8 |
| 40-AT10-10F | 2F | 16 | 49.10 | 54 | 35 | 30 | 40 | 8 |
| 40-AT10-18D | 2F | 18 | 55.45 | 60 | 40 | 30 | 40 | 8 |
| 40-AT10-19F | 2F | 19 | 58.65 | 67 | 44 | 30 | 40 | 8 |
| 40-AT10-20F | 2F | 20 | 61.80 | 67 | 46 | 30 | 40 | 8 |
| 40-AT10-22F | 2F | 22 | 68.20 | 75 | 52 | 30 | 40 | 8 |
| 40-AT10-24F | 2F | 24 | 74.55 | 83 | 58 | 30 | 40 | 8 |
| 40-AT10-25F | 2F | 25 | 77.75 | 83 | 60 | 30 | 40 | 8 |
| 40-AT10-26F | 2F | 26 | 80.90 | 87 | 60 | 30 | 40 | 8 |
| 40-AT10-27F | 2F | 27 | 84.05 | 91 | 60 | 30 | 40 | 8 |
| 40-AT10-28F | 2F | 28 | 87.25 | 94 | 60 | 30 | 40 | 8 |
| 40-AT10-30F | 2F | 30 | 93.65 | 97 | 60 | 30 | 40 | 8 |
| 40-AT10-32D | 2F | 32 | 100.00 | 112 | 65 | 30 | 40 | 10 |
| 40-AT10-36F | 2F | 36 | 112.75 | 120 | 70 | 30 | 40 | 10 |
| 40-AT10-40F | 2F | 40 | 125.45 | 135 | 80 | 30 | 40 | 10 |
| 40-AT10-40 | 2 | 44 | 138.20 | — | 88 | 30 | 40 | 10 |
| 40-AT10-44 | 2 | 48 | 150.95 | — | 95 | 30 | 40 | 16 |
| 40-AT10-48 | 2 | 48 | 150.95 | — | 95 | 30 | 40 | 16 |
| 40-AT10-60 | 2 | 60 | 189.15 | — | 110 | 30 | 40 | 16 |

T/AT Timing pulley



TYPE 2F

TYPE 2



AT10-47

PITCH=10mm FOR BELT WIDTH=30mm

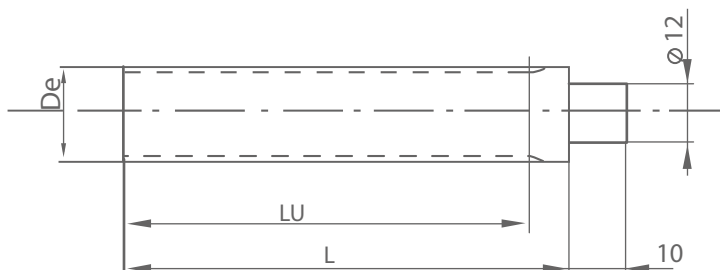
| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-------------|------|----|--------|-----|-----|----|----|----|
| 47-AT10-18F | 2F | 18 | 55.45 | 60 | 40 | 37 | 47 | 10 |
| 47-AT10-19F | 2F | 19 | 58.65 | 67 | 44 | 37 | 47 | 10 |
| 47-AT10-20F | 2F | 20 | 61.80 | 67 | 46 | 37 | 47 | 12 |
| 47-AT10-22F | 2F | 22 | 68.20 | 75 | 52 | 37 | 47 | 12 |
| 47-AT10-24F | 2F | 24 | 74.55 | 83 | 58 | 37 | 47 | 12 |
| 47-AT10-25F | 2F | 25 | 77.75 | 83 | 60 | 37 | 47 | 12 |
| 47-AT10-26F | 2F | 26 | 80.90 | 87 | 60 | 37 | 47 | 12 |
| 47-AT10-27F | 2F | 27 | 84.05 | 91 | 60 | 37 | 47 | 12 |
| 47-AT10-28F | 2F | 28 | 87.25 | 94 | 60 | 37 | 47 | 12 |
| 47-AT10-30F | 2F | 30 | 93.65 | 97 | 60 | 37 | 47 | 12 |
| 47-AT10-32F | 2F | 32 | 100.00 | 106 | 65 | 37 | 47 | 12 |
| 47-AT10-36F | 2F | 36 | 112.75 | 120 | 70 | 37 | 47 | 16 |
| 47-AT10-40F | 2F | 40 | 125.45 | 135 | 80 | 37 | 47 | 16 |
| 47-AT10-44 | 2 | 44 | 138.20 | — | 88 | 37 | 47 | 16 |
| 47-AT10-48 | 2 | 48 | 150.95 | — | 95 | 37 | 47 | 16 |
| 47-AT10-60 | 2 | 60 | 189.15 | — | 110 | 37 | 47 | 16 |

AT10-66

PITCH=10mm FOR BELT WIDTH=50mm

| SPCFCTN | TYPE | Z | De | Df | Dm | F | L | d |
|-------------|------|----|--------|-----|-----|----|----|----|
| 66-AT10-18F | 2F | 18 | 55.45 | 60 | 40 | 56 | 66 | 10 |
| 66-AT10-19F | 2F | 19 | 58.65 | 67 | 44 | 56 | 66 | 10 |
| 66-AT10-20F | 2F | 20 | 61.85 | 67 | 46 | 56 | 66 | 12 |
| 66-AT10-22F | 2F | 22 | 68.20 | 75 | 52 | 56 | 66 | 12 |
| 66-AT10-24F | 2F | 24 | 74.55 | 83 | 58 | 56 | 66 | 12 |
| 66-AT10-25F | 2F | 25 | 77.75 | 83 | 60 | 56 | 66 | 12 |
| 66-AT10-26F | 2F | 26 | 80.90 | 87 | 60 | 56 | 66 | 12 |
| 66-AT10-27F | 2F | 27 | 84.05 | 91 | 60 | 56 | 66 | 12 |
| 66-AT10-28F | 2F | 28 | 87.25 | 94 | 60 | 56 | 66 | 12 |
| 66-AT10-30F | 2F | 30 | 93.65 | 97 | 60 | 56 | 66 | 12 |
| 66-AT10-32F | 2F | 32 | 100.00 | 106 | 65 | 56 | 66 | 12 |
| 66-AT10-36F | 2F | 36 | 112.75 | 120 | 70 | 56 | 66 | 16 |
| 66-AT10-40F | 2F | 40 | 125.45 | 135 | 80 | 56 | 66 | 16 |
| 66-AT10-44 | 2 | 44 | 138.20 | — | 88 | 56 | 66 | 16 |
| 66-AT10-48 | 2 | 48 | 150.95 | — | 95 | 56 | 66 | 16 |
| 66-AT10-60 | 2 | 60 | 189.15 | — | 110 | 56 | 66 | 16 |

HTD *Standard toothed bars*



Special Note
 We can also supply the flanges of the above timing belt pulleys separately. The customers can order flanges according to the corresponding pulleys part numbers

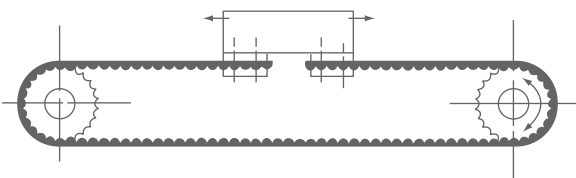
AT5

| Spcfctn | Z | De | Lu | L |
|---------|----|--------|-----|-----|
| 12-AT5 | 12 | 17.85 | 125 | 140 |
| 13-AT5 | 13 | 19.45 | 125 | 140 |
| 14-AT5 | 14 | 21.05 | 132 | 140 |
| 15-AT5 | 15 | 22.65 | 132 | 140 |
| 16-AT5 | 16 | 24.20 | 140 | 140 |
| 17-AT5 | 17 | 25.80 | 140 | 140 |
| 18-AT5 | 18 | 27.40 | 140 | 140 |
| 19-AT5 | 19 | 29.00 | 140 | 140 |
| 20-AT5 | 20 | 30.60 | 160 | 160 |
| 21-AT5 | 21 | 32.30 | 160 | 160 |
| 22-AT5 | 22 | 33.85 | 160 | 160 |
| 23-AT5 | 23 | 35.45 | 160 | 160 |
| 24-AT5 | 24 | 37.00 | 160 | 160 |
| 25-AT5 | 25 | 38.55 | 160 | 160 |
| 26-AT5 | 26 | 40.20 | 160 | 160 |
| 27-AT5 | 27 | 41.80 | 160 | 160 |
| 28-AT5 | 28 | 43.35 | 160 | 160 |
| 29-AT5 | 29 | 44.95 | 160 | 160 |
| 30-AT5 | 30 | 46.55 | 160 | 160 |
| 31-AT5 | 31 | 48.15 | 160 | 160 |
| 32-AT5 | 32 | 49.70 | 160 | 160 |
| 33-AT5 | 33 | 51.30 | 160 | 160 |
| 34-AT5 | 34 | 52.85 | 160 | 160 |
| 35-AT5 | 35 | 54.45 | 160 | 160 |
| 36-AT5 | 36 | 56.05 | 160 | 160 |
| 38-AT5 | 38 | 59.25 | 160 | 160 |
| 40-AT5 | 40 | 62.45 | 160 | 160 |
| 42-AT5 | 42 | 65.60 | 160 | 160 |
| 44-AT5 | 44 | 68.80 | 160 | 160 |
| 45-AT5 | 45 | 70.40 | 160 | 160 |
| 46-AT5 | 46 | 72.00 | 160 | 160 |
| 48-AT5 | 48 | 75.15 | 160 | 160 |
| 50-AT5 | 50 | 78.35 | 160 | 160 |
| 52-AT5 | 52 | 81.55 | 160 | 160 |
| 54-AT5 | 54 | 84.70 | 160 | 160 |
| 55-AT5 | 55 | 86.30 | 160 | 160 |
| 56-AT5 | 56 | 87.90 | 160 | 160 |
| 58-AT5 | 58 | 91.10 | 160 | 160 |
| 60-AT5 | 60 | 94.25 | 160 | 160 |
| 62-AT5 | 62 | 97.45 | 160 | 160 |
| 64-AT5 | 64 | 100.65 | 160 | 160 |
| 65-AT5 | 65 | 102.25 | 160 | 160 |
| 70-AT5 | 70 | 110.20 | 160 | 160 |
| 72-AT5 | 72 | 113.25 | 160 | 160 |

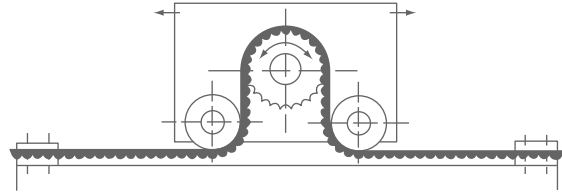
AT10

| Spcfctn | Z | De | Lu | L |
|---------|----|--------|-----|-----|
| 15-AT10 | 15 | 45.90 | 160 | 160 |
| 16-AT10 | 16 | 49.10 | 160 | 160 |
| 17-AT10 | 17 | 52.25 | 160 | 160 |
| 18-AT10 | 18 | 55.45 | 160 | 160 |
| 19-AT10 | 19 | 58.65 | 160 | 160 |
| 20-AT10 | 20 | 61.80 | 160 | 160 |
| 21-AT10 | 21 | 65.00 | 160 | 160 |
| 22-AT10 | 22 | 68.20 | 160 | 160 |
| 23-AT10 | 23 | 71.35 | 160 | 160 |
| 24-AT10 | 24 | 74.55 | 160 | 160 |
| 25-AT10 | 25 | 77.75 | 160 | 160 |
| 26-AT10 | 26 | 80.90 | 160 | 160 |
| 27-AT10 | 27 | 84.05 | 160 | 160 |
| 28-AT10 | 28 | 87.25 | 160 | 160 |
| 29-AT10 | 29 | 90.45 | 160 | 160 |
| 30-AT10 | 30 | 93.65 | 160 | 160 |
| 31-AT10 | 31 | 96.80 | 160 | 160 |
| 32-AT10 | 32 | 100.00 | 160 | 160 |
| 33-AT10 | 33 | 103.20 | 160 | 160 |
| 34-AT10 | 34 | 106.40 | 160 | 160 |
| 35-AT10 | 35 | 109.55 | 160 | 160 |
| 36-AT10 | 36 | 112.75 | 160 | 160 |
| 37-AT10 | 37 | 115.90 | 160 | 160 |
| 38-AT10 | 38 | 119.10 | 160 | 160 |
| 40-AT10 | 40 | 125.45 | 160 | 160 |
| 41-AT10 | 41 | 128.65 | 160 | 160 |
| 42-AT10 | 42 | 131.85 | 160 | 160 |
| 44-AT10 | 44 | 138.20 | 160 | 160 |
| 45-AT10 | 45 | 141.40 | 160 | 160 |
| 46-AT10 | 46 | 144.55 | 160 | 160 |
| 48-AT10 | 48 | 150.95 | 160 | 160 |
| 50-AT10 | 50 | 157.30 | 160 | 160 |
| 51-AT10 | 51 | 160.50 | 160 | 160 |
| 52-AT10 | 52 | 163.65 | 160 | 160 |
| 54-AT10 | 54 | 170.05 | 160 | 160 |
| 55-AT10 | 55 | 173.20 | 160 | 160 |
| 56-AT10 | 56 | 176.40 | 160 | 160 |
| 57-AT10 | 57 | 179.60 | 160 | 160 |
| 58-AT10 | 58 | 182.75 | 160 | 160 |
| 59-AT10 | 59 | 185.95 | 160 | 160 |
| 60-AT10 | 60 | 189.15 | 160 | 160 |
| 62-AT10 | 62 | 195.50 | 160 | 160 |
| 70-AT10 | 70 | 220.95 | 160 | 160 |
| 75-AT10 | 75 | 236.90 | 160 | 160 |

Clamping plates for belts imperial pitch

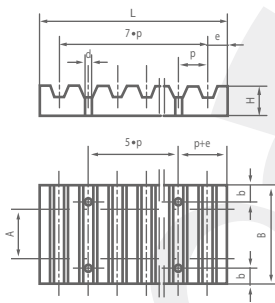


TYPE 1



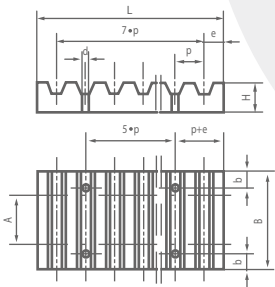
TYPE 2

Clamping plates for belts in imperial pitch



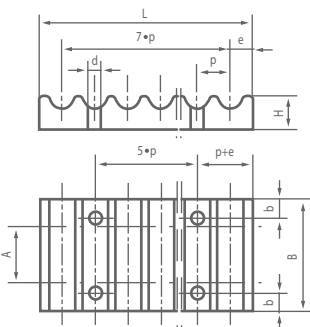
| Passo Pitch Teilung Pas Paso | b | d | e | L | H | A width of belt(mm) | | | | | |
|--|----|-----|-----|-------|----|---------------------|-----|------|-----|-----|------|
| | | | | | | 025 | 031 | 037 | 050 | 075 | 100 |
| | | | | | | B | | | | | |
| XL | 6 | 5.5 | 3.5 | 42.5 | 8 | 25.5 | 27 | 28.5 | — | — | — |
| L | 8 | 9 | 5 | 76.6 | 15 | — | — | — | 39 | 45 | 51.5 |
| H | 10 | 11 | 9 | 106.9 | 22 | — | — | — | 45 | 51 | 57.5 |

Clamping plates for belts in metric



| Passo Pitch Teilung Pas Paso | b | d | e | L | H | A width of belt(mm) | | | | | |
|--|---|-----|-----|------|----|---------------------|----|----|----|----|----|
| | | | | | | 6 | 10 | 16 | 25 | 32 | 50 |
| | | | | | | B | | | | | |
| 5 | 6 | 5.5 | 3.4 | 41.8 | 8 | - | 29 | 35 | 44 | - | - |
| 10 | 8 | 9 | 5 | 80 | 15 | - | - | 41 | 50 | 57 | 75 |

Clamping plates for belts in imperial pitch



| Passo Pitch Teilung Pas Paso | b | d | e | L | H | A width of belt(mm) | | | | | | | | | | | | |
|--|----|-----|-----|------|----|---------------------|----|----|----|----|----|----|----|----|-----|-----|-----|--|
| | | | | | | 6 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 55 | 85 | 115 | 170 | |
| | | | | | | B | | | | | | | | | | | | |
| 3M | 5 | 4.5 | 2 | 25 | 5 | 21 | 24 | 30 | — | — | — | — | — | — | — | — | — | |
| 5M | 6 | 5.5 | 3.4 | 41.8 | 8 | — | 28 | 34 | — | 44 | — | — | — | — | — | — | — | |
| 8M | 8 | 9 | 5 | 66 | 15 | — | — | 40 | 45 | — | 55 | — | 75 | — | 110 | — | — | |
| 14M | 10 | 11 | 9 | 116 | 22 | — | — | — | — | — | — | 71 | — | 86 | 116 | 146 | 201 | |

**T_{aper}
B_{ore}**

Timing pulley

BTL

L - H - XH

8M - 14M



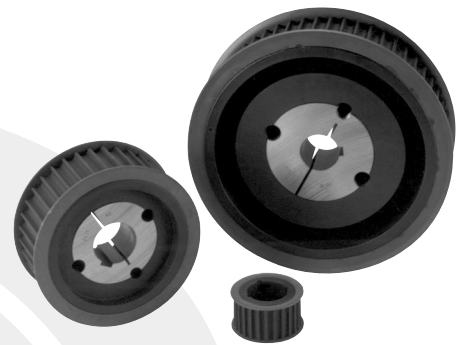
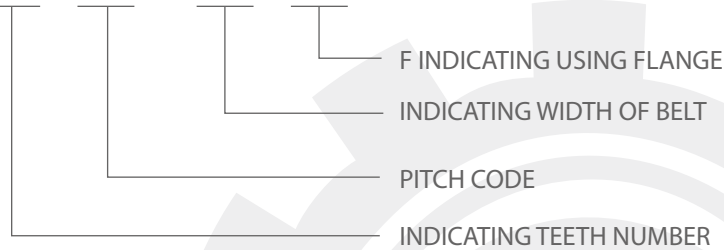
Taper bore timing pulley the outside diameter under 300mm are packed with cartons separately.

**T_{aper}
B_{ore}** *Timing pulley*

BTL

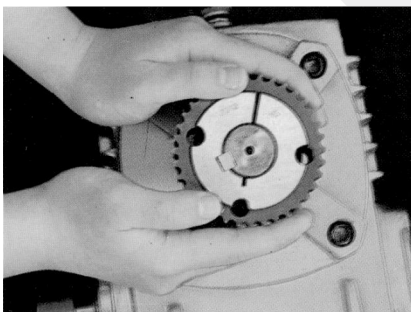
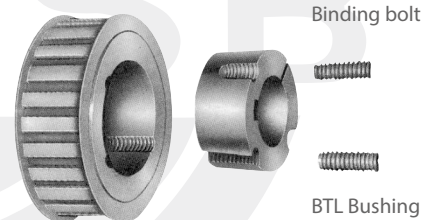
SPECIFICATION AND TYPE FOR TIMING BELT PULLEY
EXAMPLE:

40 XH 300 F

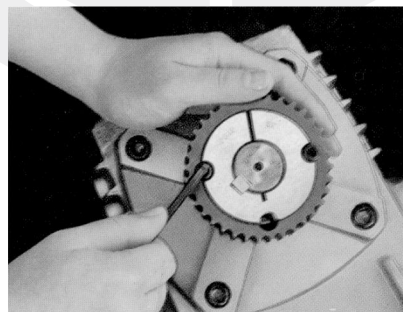


The installation and usage of BTL Taper Bushings and Taper-lock Belt Pulleys

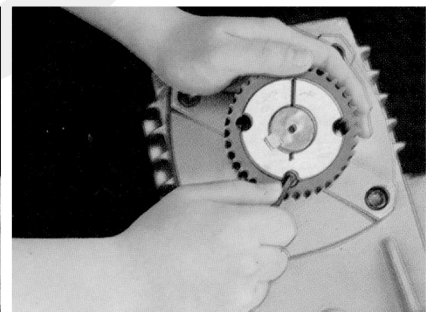
BTL Timing BELT pulley is easy on and off.
It can be used on variable hubs due to BTL
Taper Bushing bores



Place BTL Taper Bushing and Timing Belt Pulley on the transmission shaft.



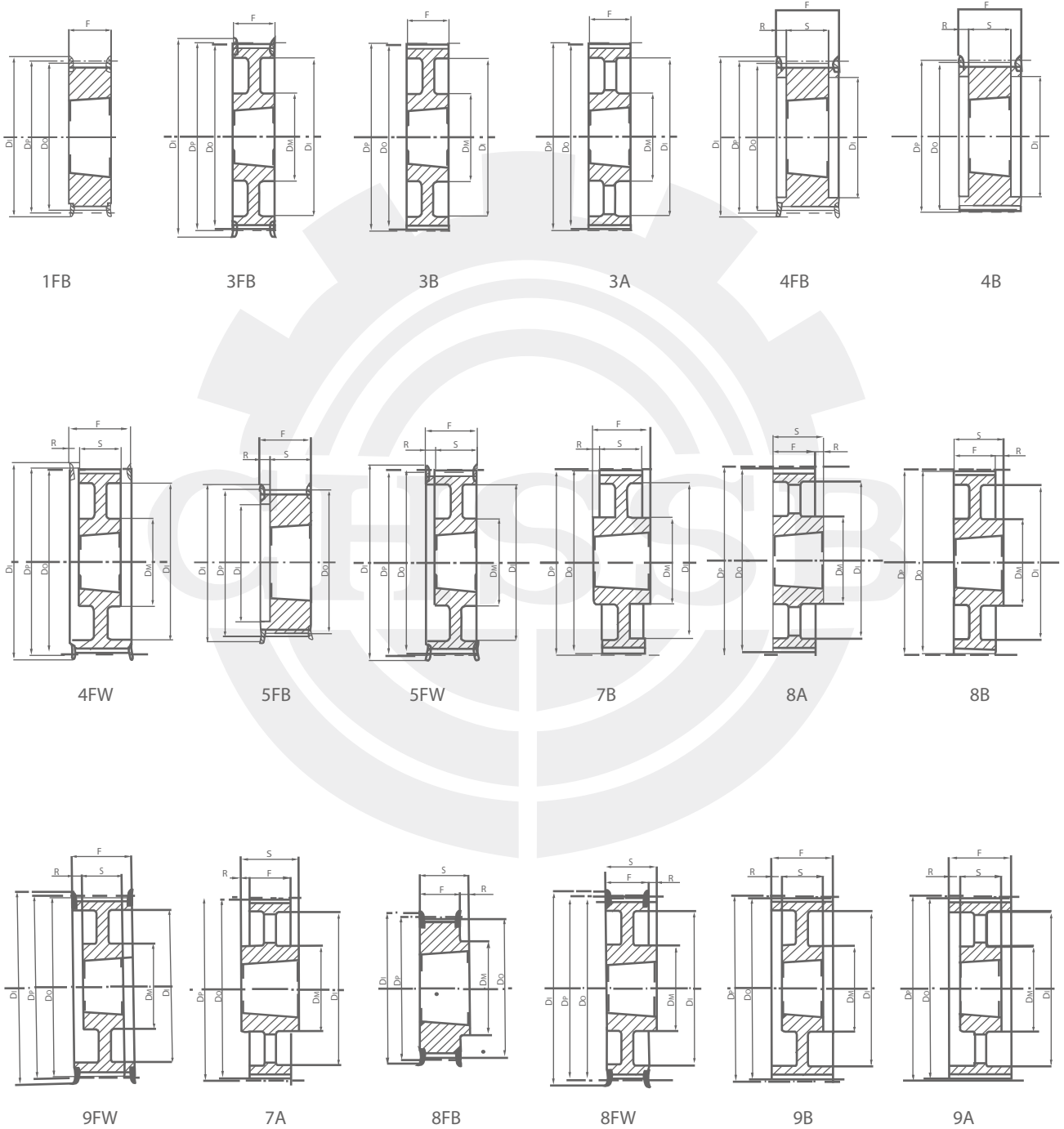
Insert screws into cap screw bore tighten the symmetrical screws. Then the pulley grips the shaft firmly through the taper surface of the bushing.



Take binding bolt out entirely. Insert it into the threaded holes, tighten it. This makes the bushing easily removed from the Pulley.

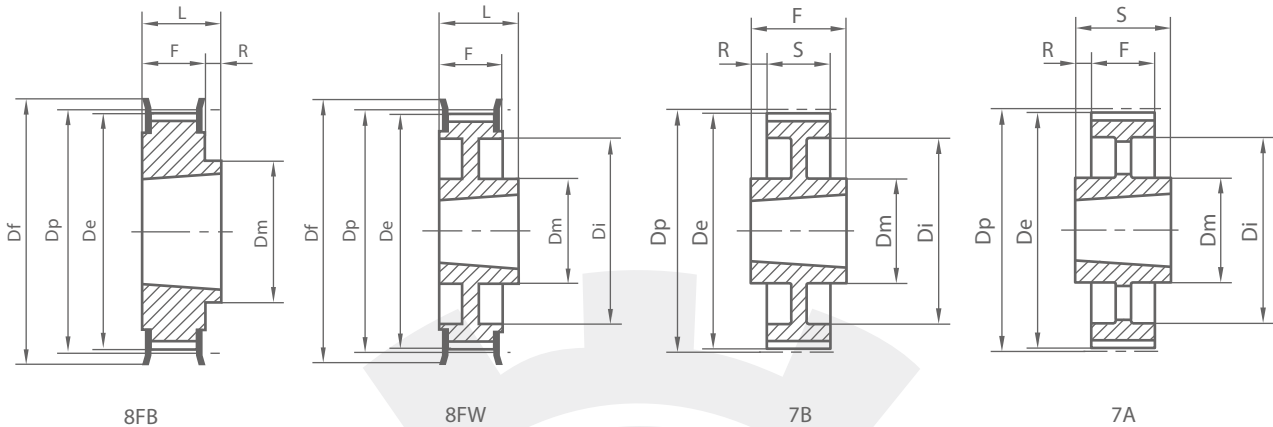
T_B^{aper}
Timing pulley

BTL



T_{aper} B_{ore} Timing pulley

BTL



L050 3/8"(9.525mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|------------|------|------|-----|--------|--------|-----|-----|-----|------|------|-----|
| TB18L050F | 8FB | 1108 | 18 | 54.57 | 53.81 | 60 | 44 | — | 19.0 | 22.0 | 3 |
| TB19L050F | 8FB | 1108 | 19 | 57.61 | 56.84 | 63 | 44 | — | 19.0 | 22.0 | 3 |
| TB20L050F | 8FB | 1108 | 20 | 60.64 | 59.88 | 67 | 48 | — | 19.0 | 22.0 | 3 |
| TB21L050F | 8FB | 1108 | 21 | 63.67 | 62.91 | 70 | 48 | — | 19.0 | 22.0 | 3 |
| TB22L050F | 8FB | 1108 | 22 | 66.70 | 65.94 | 75 | 51 | — | 19.0 | 22.0 | 3 |
| TB23L050F | 8FB | 1108 | 23 | 69.73 | 68.97 | 79 | 54 | — | 19.0 | 22.0 | 3 |
| TB24L050F | 8FB | 1108 | 24 | 72.77 | 72.00 | 79 | 54 | — | 19.0 | 22.0 | 3 |
| TB25L050F | 8FB | 1108 | 25 | 75.80 | 75.04 | 83 | 56 | — | 19.0 | 22.0 | 3 |
| TB26L050F | 8FB | 1108 | 26 | 78.83 | 78.07 | 87 | 60 | — | 19.0 | 22.0 | 3 |
| TB27L050F | 8FB | 1108 | 27 | 81.86 | 81.10 | 91 | 62 | — | 19.0 | 22.0 | 3 |
| TB28L050F | 8FB | 1108 | 28 | 84.89 | 84.13 | 91 | 65 | — | 19.0 | 22.0 | 3 |
| TB30L050F | 8FB | 1108 | 30 | 90.96 | 90.20 | 97 | 70 | — | 19.0 | 22.0 | 3 |
| TB32L050F | 8FB | 1108 | 32 | 97.02 | 96.26 | 102 | 74 | — | 19.0 | 22.0 | 3 |
| TB36L050F | 8FB | 1108 | 36 | 109.15 | 108.39 | 120 | 85 | — | 19.0 | 22.0 | 3 |
| TB40L050F | 8FB | 1610 | 40 | 121.28 | 120.51 | 128 | 97 | — | 19.0 | 25.0 | 6 |
| TB48L050F | 8FW | 1610 | 48 | 145.53 | 144.77 | 150 | 88 | 120 | 19.0 | 25.0 | 6 |
| TB60L050F | 7B | 1610 | 60 | 181.91 | 181.15 | — | 92 | 166 | 19.0 | 25.0 | 3 |
| TB72L050F | 7A | 1610 | 72 | 218.30 | 217.53 | — | 92 | 202 | 19.0 | 25.0 | 3 |
| TB84L050F | 7A | 1610 | 84 | 254.68 | 253.90 | — | 92 | 236 | 19.0 | 25.0 | 3 |
| TB96L050F | 7A | 2012 | 96 | 291.06 | 290.30 | — | 106 | 270 | 19.0 | 32.0 | 6.5 |
| TB120L050F | 7A | 2012 | 120 | 363.83 | 363.07 | — | 106 | 343 | 19.0 | 32.0 | 6.5 |

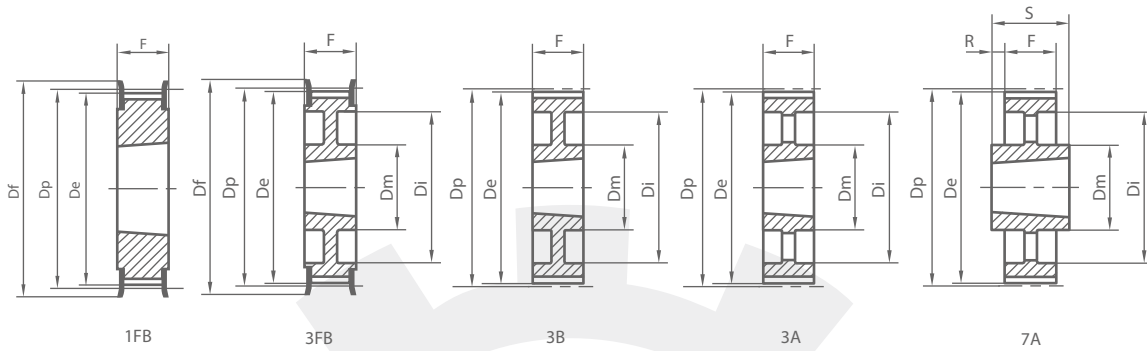
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 10 | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | |
| 1108 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | | | | | |
| 1210 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 1610 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | |
| 2012 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_{aper} B_{ore} Timing pulley

BTL



L075 3/8"(9.525mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-----------|------|------|-----|--------|--------|-----|-----|-----|------|------|-----|
| TB18L075F | 1FB | 1108 | 18 | 54.57 | 53.81 | 60 | — | — | 25.0 | 25.0 | — |
| TB19L075F | 1FB | 1108 | 19 | 57.61 | 56.84 | 63 | — | — | 25.0 | 25.0 | — |
| TB20L075F | 1FB | 1108 | 20 | 60.64 | 59.88 | 67 | — | — | 25.0 | 25.0 | — |
| TB21L075F | 1FB | 1108 | 21 | 63.67 | 62.91 | 70 | — | — | 25.0 | 25.0 | — |
| TB22L075F | 1FB | 1108 | 22 | 66.70 | 65.94 | 75 | — | — | 25.0 | 25.0 | — |
| TB23L075F | 1FB | 1108 | 23 | 69.73 | 68.97 | 79 | — | — | 25.0 | 25.0 | — |
| TB24L075F | 1FB | 1108 | 24 | 72.77 | 72.00 | 79 | — | — | 25.0 | 25.0 | — |
| TB25L075F | 1FB | 1108 | 25 | 75.80 | 75.04 | 83 | — | — | 25.0 | 25.0 | — |
| TB26L075F | 1FB | 1108 | 26 | 78.83 | 78.07 | 87 | — | — | 25.0 | 25.0 | — |
| TB27L075F | 1FB | 1108 | 27 | 81.86 | 81.10 | 91 | — | — | 25.0 | 25.0 | — |
| TB28L075F | 1FB | 1108 | 28 | 84.89 | 84.13 | 91 | — | — | 25.0 | 25.0 | — |
| TB30L075F | 1FB | 1108 | 30 | 90.96 | 90.20 | 97 | — | — | 25.0 | 25.0 | — |
| TB32L075F | 1FB | 1108 | 32 | 97.02 | 96.26 | 102 | — | — | 25.0 | 25.0 | — |
| TB36L075F | 1FB | 1610 | 36 | 109.15 | 108.39 | 120 | — | — | 25.0 | 25.0 | — |
| TB40L075F | 1FB | 1610 | 40 | 121.28 | 120.51 | 128 | — | — | 25.0 | 25.0 | — |
| TB48L075F | 3FB | 1610 | 48 | 145.53 | 144.77 | 150 | 92 | 125 | 25.0 | 25.0 | — |
| TB60L075 | 3B | 1610 | 60 | 181.91 | 181.15 | — | 92 | 166 | 25.0 | 25.0 | — |
| TB72L075 | 3A | 1610 | 72 | 218.30 | 217.53 | — | 92 | 202 | 25.0 | 25.0 | — |
| TB84L075 | 7A | 2012 | 84 | 254.68 | 253.90 | — | 106 | 236 | 25.0 | 32.0 | 3.5 |
| TB96L075 | 7A | 2012 | 96 | 291.06 | 290.30 | — | 106 | 270 | 25.0 | 32.0 | 3.5 |
| TB120L075 | 7A | 2012 | 120 | 363.83 | 363.07 | — | 106 | 343 | 25.0 | 32.0 | 3.5 |

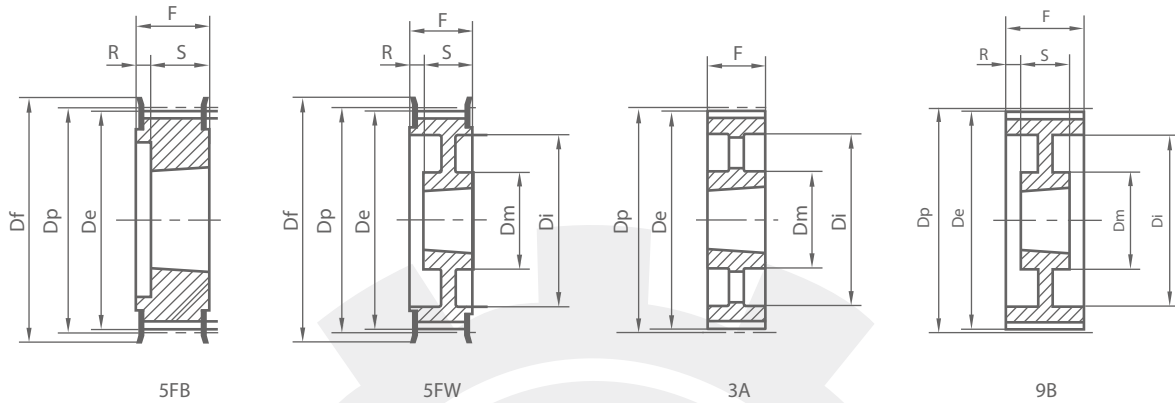
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 10 | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | |
| 1108 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | | | | | |
| 1210 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 1610 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | |
| 2012 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper} *Timing pulley*

BTL



L100 3/8"(9.525mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-----------|------|------|-----|--------|--------|-----|-----|-----|------|------|------|
| TB18L100F | 5FB | 1108 | 18 | 54.57 | 53.81 | 60 | — | 38 | 32.0 | 22.0 | 10.0 |
| TB19L100F | 5FB | 1108 | 19 | 57.61 | 56.84 | 63 | — | 38 | 32.0 | 22.0 | 10.0 |
| TB20L100F | 5FB | 1108 | 20 | 60.64 | 59.88 | 67 | — | 45 | 32.0 | 22.0 | 10.0 |
| TB21L100F | 5FB | 1108 | 21 | 63.67 | 62.91 | 70 | — | 45 | 32.0 | 22.0 | 10.0 |
| TB22L100F | 5FB | 1108 | 22 | 66.70 | 65.94 | 75 | — | 48 | 32.0 | 22.0 | 10.0 |
| TB23L100F | 5FB | 1108 | 23 | 69.73 | 68.97 | 79 | — | 52 | 32.0 | 22.0 | 10.0 |
| TB24L100F | 5FB | 1108 | 24 | 72.77 | 72.00 | 79 | — | 52 | 32.0 | 22.0 | 10.0 |
| TB25L100F | 5FB | 1108 | 25 | 75.80 | 75.04 | 83 | — | 54 | 32.0 | 22.0 | 10.0 |
| TB26L100F | 5FB | 1108 | 26 | 78.83 | 78.07 | 87 | — | 60 | 32.0 | 22.0 | 10.0 |
| TB27L100F | 5FB | 1108 | 27 | 81.86 | 81.10 | 91 | — | 60 | 32.0 | 22.0 | 10.0 |
| TB28L100F | 5FB | 1108 | 28 | 84.89 | 84.13 | 91 | — | 65 | 32.0 | 22.0 | 10.0 |
| TB30L100F | 5FB | 1210 | 30 | 90.96 | 90.20 | 97 | — | 71 | 32.0 | 25.0 | 7.0 |
| TB32L100F | 5FB | 1210 | 32 | 97.02 | 96.26 | 102 | — | 75 | 32.0 | 25.0 | 7.0 |
| TB36L100F | 5FB | 1610 | 36 | 109.15 | 108.39 | 120 | — | 86 | 32.0 | 25.0 | 7.0 |
| TB40L100F | 5FB | 1610 | 40 | 121.28 | 120.51 | 128 | — | 96 | 32.0 | 25.0 | 7.0 |
| TB48L100F | 5FW | 1610 | 48 | 145.53 | 144.77 | 150 | 92 | 120 | 32.0 | 25.0 | 7.0 |
| TB60L100 | 9B | 1610 | 60 | 181.91 | 181.15 | — | 92 | 166 | 32.0 | 25.0 | 3.5 |
| TB72L100 | 3A | 2012 | 72 | 218.30 | 217.53 | — | 106 | 202 | 32.0 | 32.0 | — |
| TB84L100 | 3A | 2012 | 84 | 254.68 | 253.90 | — | 106 | 236 | 32.0 | 32.0 | — |
| TB96L100 | 3A | 2012 | 96 | 291.06 | 290.30 | — | 106 | 270 | 32.0 | 32.0 | — |
| TB120L100 | 3A | 2012 | 120 | 363.83 | 363.07 | — | 106 | 343 | 32.0 | 32.0 | — |

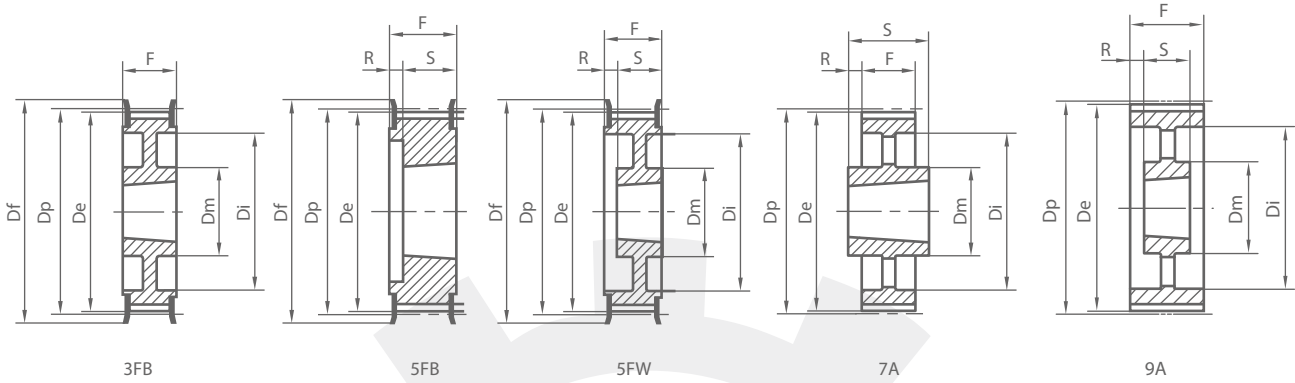
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 |
| 1108 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | | | | |
| 1210 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1610 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | |
| 2012 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper}
Timing pulley

BTL



H100 1/2"(12.70mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-----------|------|------|-----|--------|--------|-----|-----|------|------|------|-----|
| TB16H100 | 5FB | 1108 | 16 | 64.68 | 63.31 | 70 | — | 45 | 32.0 | 22.0 | 9 |
| TB18H100F | 5FB | 1210 | 18 | 72.77 | 71.39 | 79 | — | 52 | 32.0 | 25.0 | 7.0 |
| TB19H100F | 5FB | 1210 | 19 | 76.81 | 75.44 | 83 | — | 56 | 32.0 | 25.0 | 7.0 |
| TB20H100F | 5FB | 1210 | 20 | 80.55 | 79.48 | 87 | — | 60 | 32.0 | 25.0 | 7.0 |
| TB21H100F | 5FB | 1210 | 21 | 84.89 | 83.52 | 91 | — | 64 | 32.0 | 25.0 | 7.0 |
| TB22H100F | 5FB | 1210 | 22 | 88.94 | 87.56 | 94 | — | 67 | 32.0 | 25.0 | 7.0 |
| TB23H100F | 5FB | 1610 | 23 | 92.98 | 91.61 | 102 | — | 70 | 32.0 | 25.0 | 7.0 |
| TB24H100F | 5FB | 1610 | 24 | 97.02 | 95.65 | 102 | — | 73.5 | 32.0 | 25.0 | 7.0 |
| TB25H100F | 5FB | 1610 | 25 | 101.06 | 99.69 | 112 | — | 77 | 32.0 | 25.0 | 7.0 |
| TB26H100F | 5FB | 1610 | 26 | 105.11 | 103.73 | 112 | — | 82 | 32.0 | 25.0 | 7.0 |
| TB27H100F | 5FB | 1610 | 27 | 109.05 | 107.78 | 120 | — | 85 | 32.0 | 25.0 | 7.0 |
| TB28H100F | 5FB | 1610 | 28 | 113.19 | 111.82 | 120 | — | 90.5 | 32.0 | 25.0 | 7.0 |
| TB30H100F | 5FB | 1610 | 30 | 121.28 | 119.90 | 128 | — | 98 | 32.0 | 25.0 | 7.0 |
| TB32H100F | 5FW | 1610 | 32 | 129.36 | 127.99 | 135 | 90 | 106 | 32.0 | 25.0 | 7.0 |
| TB36H100F | 5FW | 1610 | 36 | 145.53 | 144.16 | 158 | 92 | 121 | 32.0 | 25.0 | 7.0 |
| TB40H100F | 5FW | 1610 | 40 | 161.70 | 160.33 | 168 | 92 | 138 | 32.0 | 25.0 | 7.0 |
| TB44H100F | 3FB | 2012 | 44 | 177.87 | 176.50 | 184 | 106 | 152 | 32.0 | 32.0 | — |
| TB48H100F | 3FB | 2012 | 48 | 194.04 | 192.67 | 200 | 106 | 169 | 32.0 | 32.0 | — |
| TB60H100 | 9A | 2012 | 60 | 242.55 | 241.18 | — | 106 | 223 | 34.0 | 32.0 | 1.0 |
| TB72H100 | 9A | 2012 | 72 | 291.06 | 289.69 | — | 106 | 270 | 34.0 | 32.0 | 1.0 |
| TB84H100 | 9A | 2012 | 84 | 339.57 | 338.20 | — | 106 | 318 | 34.0 | 32.0 | 1.0 |
| TB96H100 | 7A | 2517 | 96 | 388.08 | 386.71 | — | 119 | 366 | 34.0 | 45.0 | 5.5 |
| TB120H100 | 7A | 2517 | 120 | 485.10 | 483.73 | — | 119 | 462 | 34.0 | 45.0 | 5.5 |

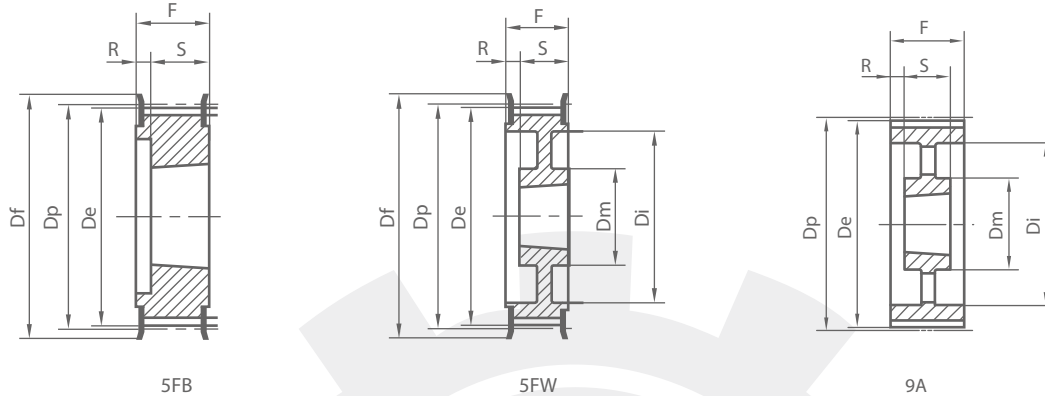
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | |
| 1210 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 1610 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | |
| 2012 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2517 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper}
T_B^{ore} **Timing pulley**

BTL



H150 1/2"(12.70mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-----------|------|------|-----|--------|--------|-----|-----|------|------|------|------|
| TB18H150F | 5FB | 1210 | 18 | 72.77 | 71.39 | 79 | — | 52 | 45.0 | 25.0 | 20.0 |
| TB19H150F | 5FB | 1210 | 19 | 76.81 | 75.44 | 83 | — | 56 | 45.0 | 25.0 | 20.0 |
| TB20H150F | 5FB | 1210 | 20 | 80.55 | 79.48 | 87 | — | 60 | 45.0 | 25.0 | 20.0 |
| TB21H150F | 5FB | 1210 | 21 | 84.89 | 83.52 | 91 | — | 64 | 45.0 | 25.0 | 20.0 |
| TB22H150F | 5FB | 1210 | 22 | 88.94 | 87.56 | 94 | — | 67 | 45.0 | 25.0 | 20.0 |
| TB23H150F | 5FB | 1610 | 23 | 92.98 | 91.61 | 102 | — | 70 | 45.0 | 25.0 | 20.0 |
| TB24H150F | 5FB | 1610 | 24 | 97.02 | 95.65 | 102 | — | 73.5 | 45.0 | 25.0 | 20.0 |
| TB25H150F | 5FB | 1610 | 25 | 101.06 | 99.69 | 112 | — | 77 | 45.0 | 25.0 | 20.0 |
| TB26H150F | 5FB | 1610 | 26 | 105.11 | 103.73 | 112 | — | 82 | 45.0 | 25.0 | 20.0 |
| TB27H150F | 5FB | 1610 | 27 | 109.15 | 107.78 | 120 | — | 85 | 45.0 | 25.0 | 20.0 |
| TB28H150F | 5FB | 1610 | 28 | 113.19 | 111.82 | 120 | — | 90.5 | 45.0 | 25.0 | 20.0 |
| TB30H150F | 5FB | 1610 | 30 | 121.28 | 119.90 | 128 | — | 98 | 45.0 | 25.0 | 20.0 |
| TB32H150F | 5FW | 1610 | 32 | 129.36 | 127.99 | 135 | 90 | 106 | 45.0 | 25.0 | 20.0 |
| TB36H150F | 5FW | 1610 | 36 | 145.53 | 144.16 | 158 | 92 | 121 | 45.0 | 25.0 | 20.0 |
| TB40H150F | 5FW | 1610 | 40 | 161.70 | 160.33 | 168 | 92 | 138 | 45.0 | 25.0 | 20.0 |
| TB44H150F | 5FW | 2012 | 44 | 177.87 | 176.50 | 184 | 106 | 152 | 45.0 | 32.0 | 13.0 |
| TB48H150F | 5FW | 2012 | 48 | 194.04 | 192.67 | 200 | 106 | 169 | 45.0 | 32.0 | 13.0 |
| TB60H150 | 9A | 2012 | 60 | 242.55 | 241.18 | — | 106 | 223 | 46.0 | 32.0 | 7 |
| TB72H150 | 9A | 2012 | 72 | 291.06 | 289.69 | — | 106 | 270 | 46.0 | 32.0 | 7 |
| TB84H150 | 9A | 2012 | 84 | 339.57 | 338.20 | — | 106 | 320 | 46.0 | 32.0 | 7 |
| TB96H150 | 9A | 2517 | 96 | 388.08 | 386.71 | — | 119 | 366 | 46.0 | 45.0 | 0.5 |
| TB120H150 | 9A | 2517 | 120 | 485.1 | 483.73 | — | 119 | 462 | 46.0 | 45.0 | 0.5 |

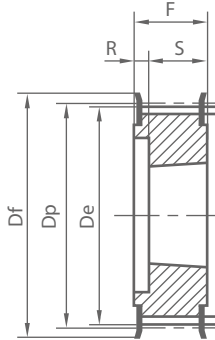
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | |
| 1210 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 1610 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | |
| 2012 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2517 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

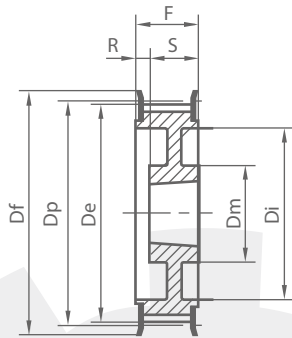
△ shallow keyway

T_{B}^{aper} T_{B}^{ore} Timing pulley

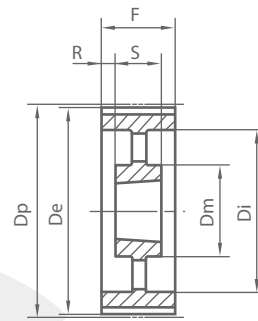
BTL



5FB



5FW



9A

H200 1/2"(12.70mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-----------|------|------|-----|--------|--------|-----|-----|------|------|------|------|
| TB18H200F | 5FB | 1210 | 18 | 72.77 | 71.39 | 79 | — | 52 | 58.0 | 25.0 | 33.0 |
| TB19H200F | 5FB | 1210 | 19 | 76.81 | 75.44 | 83 | — | 56 | 58.0 | 25.0 | 33.0 |
| TB20H200F | 5FB | 1610 | 20 | 80.55 | 79.48 | 87 | — | 60 | 58.0 | 25.0 | 33.0 |
| TB21H200F | 5FB | 1610 | 21 | 84.89 | 83.52 | 91 | — | 64 | 58.0 | 25.0 | 33.0 |
| TB22H200F | 5FB | 1610 | 22 | 88.94 | 87.56 | 94 | — | 67 | 58.0 | 25.0 | 33.0 |
| TB23H200F | 5FB | 1610 | 23 | 92.98 | 91.61 | 102 | — | 70 | 58.0 | 25.0 | 33.0 |
| TB24H200F | 5FB | 1610 | 24 | 97.02 | 95.65 | 102 | — | 73.5 | 58.0 | 25.0 | 33.0 |
| TB25H200F | 5FB | 1610 | 25 | 101.06 | 99.69 | 112 | — | 77 | 58.0 | 25.0 | 33.0 |
| TB26H200F | 5FB | 1610 | 26 | 105.11 | 103.73 | 112 | — | 82 | 58.0 | 25.0 | 33.0 |
| TB27H200F | 5FB | 1610 | 27 | 109.15 | 107.78 | 120 | — | 85 | 58.0 | 25.0 | 33.0 |
| TB28H200F | 5FB | 1610 | 28 | 113.19 | 111.82 | 120 | — | 90.5 | 58.0 | 25.0 | 33.0 |
| TB30H200F | 5FB | 1610 | 30 | 121.28 | 119.90 | 128 | — | 98 | 58.0 | 25.0 | 33.0 |
| TB32H200F | 5FB | 2012 | 32 | 129.36 | 127.99 | 135 | — | 106 | 58.0 | 32.0 | 26.0 |
| TB36H200F | 5FW | 2012 | 36 | 145.53 | 144.16 | 158 | 102 | 121 | 58.0 | 32.0 | 26.0 |
| TB40H200F | 5FW | 2012 | 40 | 161.70 | 160.33 | 168 | 106 | 138 | 58.0 | 32.0 | 26.0 |
| TB44H200F | 5FW | 2012 | 44 | 177.87 | 176.50 | 184 | 106 | 152 | 58.0 | 32.0 | 26.0 |
| TB48H200F | 5FW | 2517 | 48 | 194.04 | 192.67 | 200 | 119 | 169 | 58.0 | 45.0 | 13.0 |
| TB60H200 | 9A | 2517 | 60 | 242.55 | 241.18 | — | 119 | 223 | 60.0 | 45.0 | 7.5 |
| TB72H200 | 9A | 2517 | 72 | 291.06 | 289.69 | — | 119 | 270 | 60.0 | 45.0 | 7.5 |
| TB84H200 | 9A | 2517 | 84 | 339.57 | 338.20 | — | 119 | 320 | 60.0 | 45.0 | 7.5 |
| TB96H200 | 9A | 2517 | 96 | 388.08 | 386.71 | — | 119 | 366 | 60.0 | 45.0 | 7.5 |
| TB120H200 | 9A | 2517 | 120 | 485.10 | 483.73 | — | 119 | 462 | 60.0 | 45.0 | 7.5 |

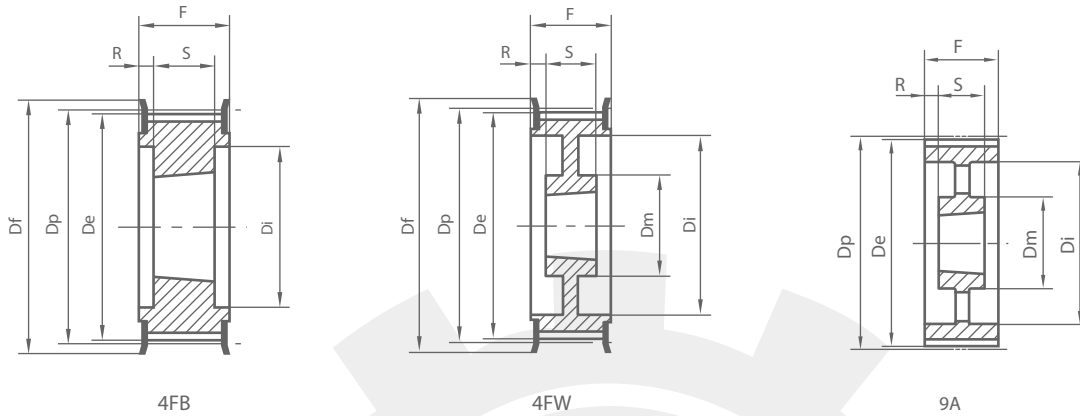
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | |
| 1210 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 1610 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | |
| 2012 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2517 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper}_{ore} Timing pulley

BTL



H300 1/2"(12.70mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-----------|------|------|-----|--------|--------|-----|-----|------|------|------|------|
| TB20H300F | 4FB | 1615 | 20 | 80.85 | 79.48 | 87 | — | 64.5 | 84.0 | 38.0 | 23.0 |
| TB21H300F | 4FB | 1615 | 21 | 84.89 | 83.52 | 91 | — | 65 | 84.0 | 38.0 | 23.0 |
| TB22H300F | 4FB | 1615 | 22 | 88.94 | 87.56 | 94 | — | 67 | 84.0 | 38.0 | 23.0 |
| TB23H300F | 4FB | 1615 | 23 | 92.98 | 91.61 | 102 | — | 70 | 84.0 | 38.0 | 23.0 |
| TB24H300F | 4FB | 1615 | 24 | 97.02 | 95.65 | 102 | — | 73.5 | 84.0 | 38.0 | 23.0 |
| TB25H300F | 4FB | 1615 | 25 | 101.06 | 99.69 | 112 | — | 77 | 84.0 | 38.0 | 23.0 |
| TB26H300F | 4FB | 1615 | 26 | 105.11 | 103.73 | 112 | — | 82 | 84.0 | 38.0 | 23.0 |
| TB27H300F | 4FB | 2012 | 27 | 109.15 | 107.78 | 120 | — | 85 | 84.0 | 32.0 | 26.0 |
| TB28H300F | 4FB | 2012 | 28 | 113.19 | 111.82 | 120 | — | 90.5 | 84.0 | 32.0 | 26.0 |
| TB30H300F | 4FB | 2012 | 30 | 121.28 | 119.90 | 128 | — | 98 | 84.0 | 32.0 | 26.0 |
| TB32H300F | 4FB | 2517 | 32 | 129.36 | 127.99 | 135 | — | 106 | 84.0 | 45.0 | 19.5 |
| TB36H300F | 4FB | 2517 | 36 | 145.53 | 144.16 | 158 | — | 121 | 84.0 | 45.0 | 19.5 |
| TB40H300F | 4FB | 2517 | 40 | 161.70 | 160.33 | 168 | — | 138 | 84.0 | 45.0 | 19.5 |
| TB44H300F | 4FW | 2517 | 44 | 177.87 | 176.50 | 184 | 119 | 152 | 86.0 | 45.0 | 20.5 |
| TB48H300F | 4FW | 2517 | 48 | 194.04 | 192.67 | 200 | 119 | 169 | 86.0 | 45.0 | 20.5 |
| TB60H300 | 9A | 2517 | 60 | 242.55 | 241.18 | — | 119 | 223 | 86.0 | 45.0 | 20.5 |
| TB72H300 | 9A | 2517 | 72 | 291.06 | 289.69 | — | 119 | 270 | 86.0 | 45.0 | 20.5 |
| TB84H300 | 9A | 2517 | 84 | 339.57 | 338.20 | — | 119 | 320 | 86.0 | 45.0 | 20.5 |
| TB96H300 | 9A | 3030 | 96 | 388.08 | 386.71 | — | 150 | 362 | 86.0 | 76.0 | 5.0 |
| B120H300 | 9A | 3030 | 120 | 485.10 | 483.73 | — | 150 | 460 | 86.0 | 76.0 | 5.0 |

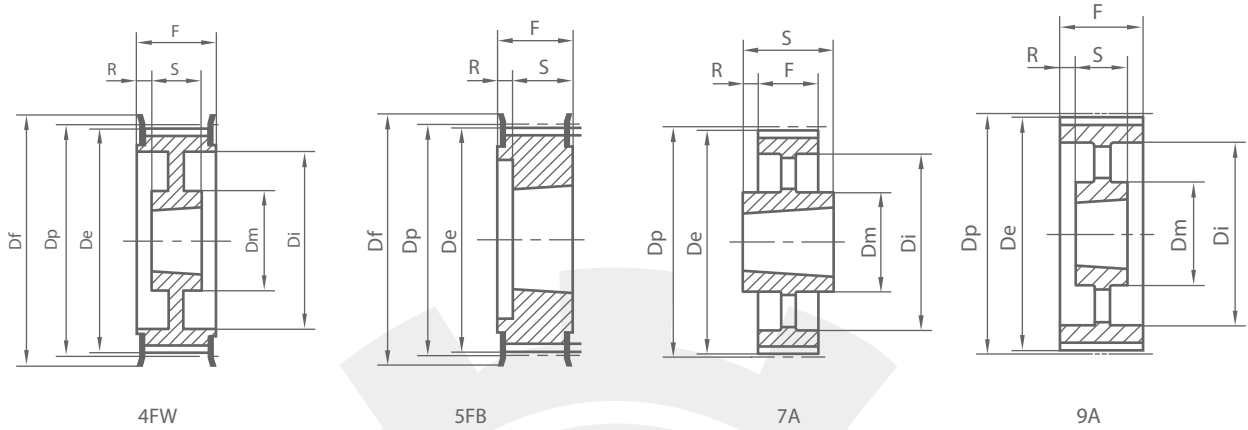
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | |
| 1615 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | | | | |
| 2012 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2517 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 3030 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper} **Timing pulley**

BTL



XH200 7/8"(22.22mm)

| SPCFCN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|------------|------|------|-----|--------|--------|-----|-----|-----|----|----|------|
| TB18XH200F | 5FB | 2517 | 18 | 127.34 | 124.55 | 142 | — | 95 | 64 | 45 | 19 |
| TB20XH200F | 5FB | 2517 | 20 | 141.49 | 138.69 | 158 | — | 110 | 64 | 45 | 19 |
| TB22XH200F | 5FB | 2517 | 22 | 155.64 | 152.84 | 168 | — | 120 | 64 | 45 | 19 |
| TB24XH200F | 5FB | 2517 | 24 | 169.79 | 166.99 | 184 | — | 135 | 64 | 45 | 19 |
| TB26XH200F | 5FB | 2517 | 26 | 183.94 | 181.14 | 200 | — | 150 | 64 | 45 | 19 |
| TB28XH200F | 4FW | 2517 | 28 | 198.08 | 195.29 | 211 | 120 | 165 | 64 | 45 | 9.5 |
| TB30XH200F | 4FW | 2517 | 30 | 212.23 | 209.44 | 226 | 120 | 180 | 64 | 45 | 9.5 |
| TB32XH200F | 4FW | 2517 | 32 | 226.38 | 223.59 | 240 | 120 | 195 | 64 | 45 | 9.5 |
| TB40XH200F | 4FW | 3020 | 40 | 282.98 | 280.18 | 296 | 160 | 245 | 64 | 51 | 6.5 |
| TB48XH200 | 9A | 3020 | 48 | 339.57 | 336.78 | — | 160 | 300 | 64 | 51 | 6.5 |
| TB60XH200 | 7A | 3535 | 60 | 424.47 | 421.67 | — | 190 | 385 | 64 | 89 | 12.5 |
| TB72XH200 | 7A | 3535 | 72 | 509.36 | 506.56 | — | 190 | 470 | 64 | 89 | 12.5 |
| TB84XH200 | 7A | 3535 | 84 | 594.25 | 591.46 | — | 190 | 555 | 64 | 89 | 12.5 |
| TB96XH200 | 7A | 3535 | 96 | 679.15 | 676.35 | — | 190 | 640 | 64 | 89 | 12.5 |
| TB120XH200 | 7A | 3535 | 120 | 848.93 | 846.14 | — | 190 | 810 | 64 | 89 | 12.5 |

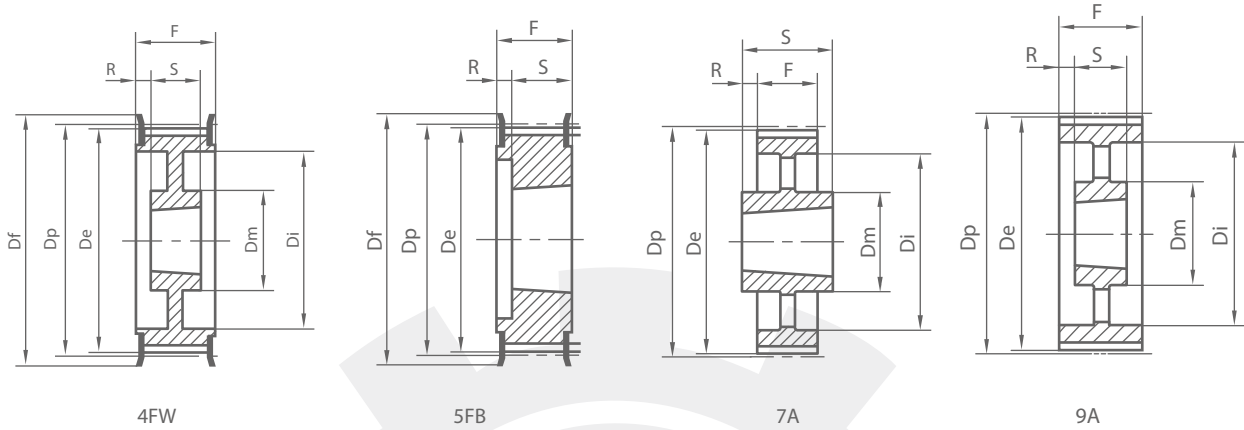
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | |
| 2517 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 3020 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 3535 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper} *Timing pulley*

BTL



XH300 7/8"(22.22mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|------------|------|------|-----|--------|--------|-----|-----|-----|----|-----|------|
| TB18XH300F | 5FB | 2517 | 18 | 127.34 | 124.55 | 142 | — | 95 | 90 | 45 | 45 |
| TB20XH300F | 5FB | 2517 | 20 | 141.49 | 138.69 | 158 | — | 110 | 90 | 45 | 45 |
| TB22XH300F | 5FB | 2517 | 22 | 155.64 | 152.84 | 168 | — | 120 | 90 | 45 | 45 |
| TB24XH300F | 5FB | 2517 | 24 | 169.79 | 166.99 | 184 | — | 135 | 90 | 45 | 45 |
| TB26XH300F | 5FB | 2517 | 26 | 183.94 | 181.14 | 200 | — | 150 | 90 | 45 | 45 |
| TB28XH300F | 5FB | 3020 | 28 | 198.08 | 195.29 | 211 | — | 165 | 90 | 51 | 39 |
| TB30XH300F | 5FB | 3020 | 30 | 212.23 | 209.44 | 226 | — | 180 | 90 | 51 | 39 |
| TB32XH300F | 5FB | 3020 | 32 | 226.38 | 223.59 | 240 | — | 195 | 90 | 51 | 39 |
| TB40XH300F | 4FW | 3020 | 40 | 282.98 | 280.18 | 296 | 160 | 245 | 90 | 51 | 19.5 |
| TB48XH300 | 9A | 3020 | 48 | 339.57 | 336.78 | — | 160 | 300 | 90 | 51 | 19.5 |
| TB60XH300 | 9A | 3535 | 60 | 424.47 | 421.67 | — | 190 | 385 | 90 | 89 | 0.5 |
| TB72XH300 | 9A | 3535 | 72 | 509.36 | 506.56 | — | 190 | 470 | 90 | 89 | 0.5 |
| TB84XH300 | 7A | 4040 | 84 | 594.25 | 591.46 | — | 230 | 555 | 90 | 102 | 6 |
| TB96XH300 | 7A | 4040 | 96 | 679.15 | 676.35 | — | 230 | 640 | 90 | 102 | 6 |
| TB120XH300 | 7A | 4040 | 120 | 848.93 | 846.14 | — | 230 | 810 | 90 | 102 | 6 |

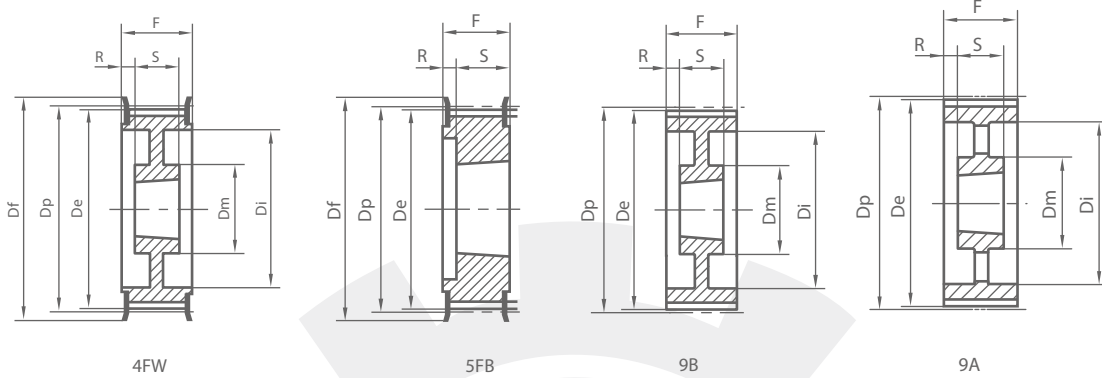
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|---|
| | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | | |
| 2517 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 3020 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3535 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4040 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper}
Timing pulley

BTL



XH400 7/8"(22.22mm)

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|------------|------|------|-----|--------|--------|-----|-----|-----|-----|-----|-----|
| TB18XH400F | 5FB | 2517 | 18 | 127.34 | 124.55 | 142 | — | 95 | 119 | 45 | 74 |
| TB20XH400F | 5FB | 2517 | 20 | 141.49 | 138.69 | 158 | — | 110 | 119 | 45 | 74 |
| TB22XH400F | 5FB | 2517 | 22 | 155.64 | 152.84 | 168 | — | 120 | 119 | 45 | 74 |
| TB24XH400F | 5FB | 3020 | 24 | 169.79 | 166.99 | 184 | — | 135 | 119 | 51 | 68 |
| TB26XH400F | 5FB | 3020 | 26 | 183.94 | 181.14 | 200 | — | 150 | 119 | 51 | 68 |
| TB28XH400F | 5FB | 3020 | 28 | 198.08 | 195.29 | 211 | — | 165 | 119 | 51 | 68 |
| TB30XH400F | 5FB | 3020 | 30 | 212.23 | 209.44 | 226 | — | 180 | 119 | 51 | 68 |
| TB32XH400F | 5FB | 3020 | 32 | 226.38 | 223.59 | 240 | — | 195 | 119 | 51 | 68 |
| TB40XH400F | 4FW | 3535 | 40 | 282.98 | 280.18 | 296 | 190 | 245 | 119 | 89 | 15 |
| TB48XH400 | 9B | 3535 | 48 | 339.57 | 336.78 | — | 190 | 300 | 119 | 89 | 15 |
| TB60XH400 | 9A | 4040 | 60 | 424.47 | 421.67 | — | 230 | 385 | 119 | 102 | 8.5 |
| TB72XH400 | 9A | 4040 | 72 | 509.36 | 506.56 | — | 230 | 470 | 119 | 102 | 8.5 |
| TB84XH400 | 9A | 4040 | 84 | 594.25 | 591.46 | — | 230 | 555 | 119 | 102 | 8.5 |
| TB96XH400 | 9A | 4040 | 96 | 679.15 | 676.35 | — | 230 | 640 | 119 | 102 | 8.5 |
| TB120XH400 | 9A | 4040 | 120 | 848.93 | 846.14 | — | 230 | 810 | 119 | 102 | 8.5 |

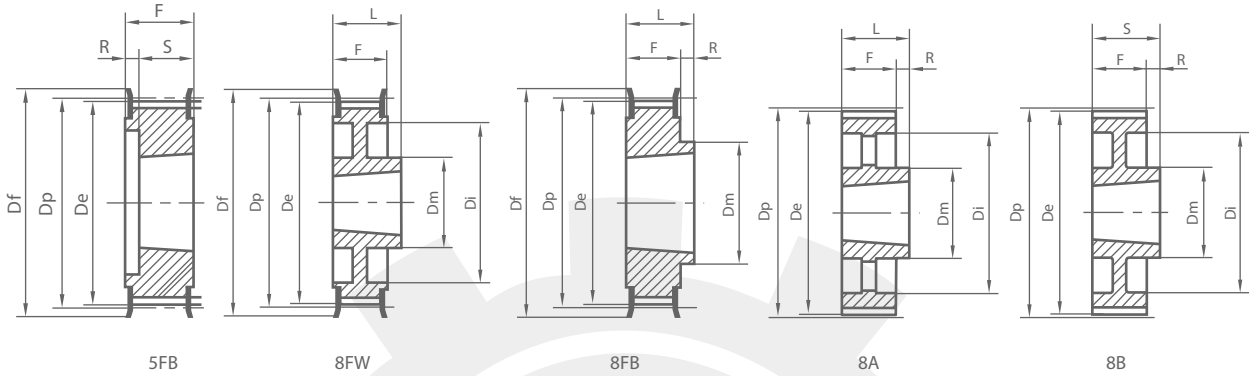
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|---|
| | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | | |
| 2517 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 3020 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3535 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4040 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

$T_{B_{ore}}^{aper}$ HTP Timing pulley

BTL



HTP 8M-20

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-------------|------|------|----|--------|--------|-----|-----|-----|----|----|---|
| TB22-8M-20F | 5FB | 1008 | 22 | 56.02 | 54.65 | 60 | — | 37 | 28 | 22 | 6 |
| TB24-8M-20F | 5FB | 1108 | 24 | 61.11 | 59.75 | 67 | — | 44 | 28 | 22 | 6 |
| TB26-8M-20F | 5FB | 1108 | 26 | 66.21 | 64.84 | 67 | — | 45 | 28 | 22 | 6 |
| TB28-8M-20F | 5FB | 1108 | 28 | 71.30 | 70.08 | 75 | — | 50 | 28 | 22 | 6 |
| TB30-8M-20F | 5FB | 1108 | 30 | 76.39 | 75.13 | 83 | — | 58 | 28 | 22 | 6 |
| TB32-8M-20F | 5FB | 1610 | 32 | 81.49 | 80.16 | 87 | — | 63 | 28 | 25 | 3 |
| TB34-8M-20F | 5FB | 1610 | 34 | 86.58 | 85.21 | 91 | — | 64 | 28 | 25 | 3 |
| TB36-8M-20F | 5FB | 1610 | 36 | 91.67 | 90.30 | 97 | — | 68 | 28 | 25 | 3 |
| TB38-8M-20F | 5FB | 1610 | 38 | 96.77 | 95.39 | 102 | — | 72 | 28 | 25 | 3 |
| TB40-8M-20F | 5FB | 1610 | 40 | 101.86 | 100.49 | 112 | — | 76 | 28 | 25 | 3 |
| TB44-8M-20F | 8FB | 2012 | 44 | 112.05 | 110.67 | 120 | 92 | — | 28 | 32 | 4 |
| TB48-8M-20F | 8FB | 2012 | 48 | 122.23 | 120.86 | 128 | 96 | — | 28 | 32 | 4 |
| TB56-8M-20F | 8FB | 2012 | 56 | 142.60 | 141.23 | 150 | 110 | — | 28 | 32 | 4 |
| TB64-8M-20F | 8FW | 2012 | 64 | 162.97 | 161.60 | 168 | 110 | 137 | 28 | 32 | 4 |
| TB72-8M-20F | 8FW | 2012 | 72 | 183.35 | 181.97 | 192 | 110 | 158 | 28 | 32 | 4 |
| TB80-8M-20 | 8B | 2012 | 80 | 203.72 | 202.35 | — | 110 | 180 | 28 | 32 | 4 |
| TB90-8M-20 | 8A | 2012 | 90 | 229.18 | 227.81 | — | 110 | 204 | 28 | 32 | 4 |

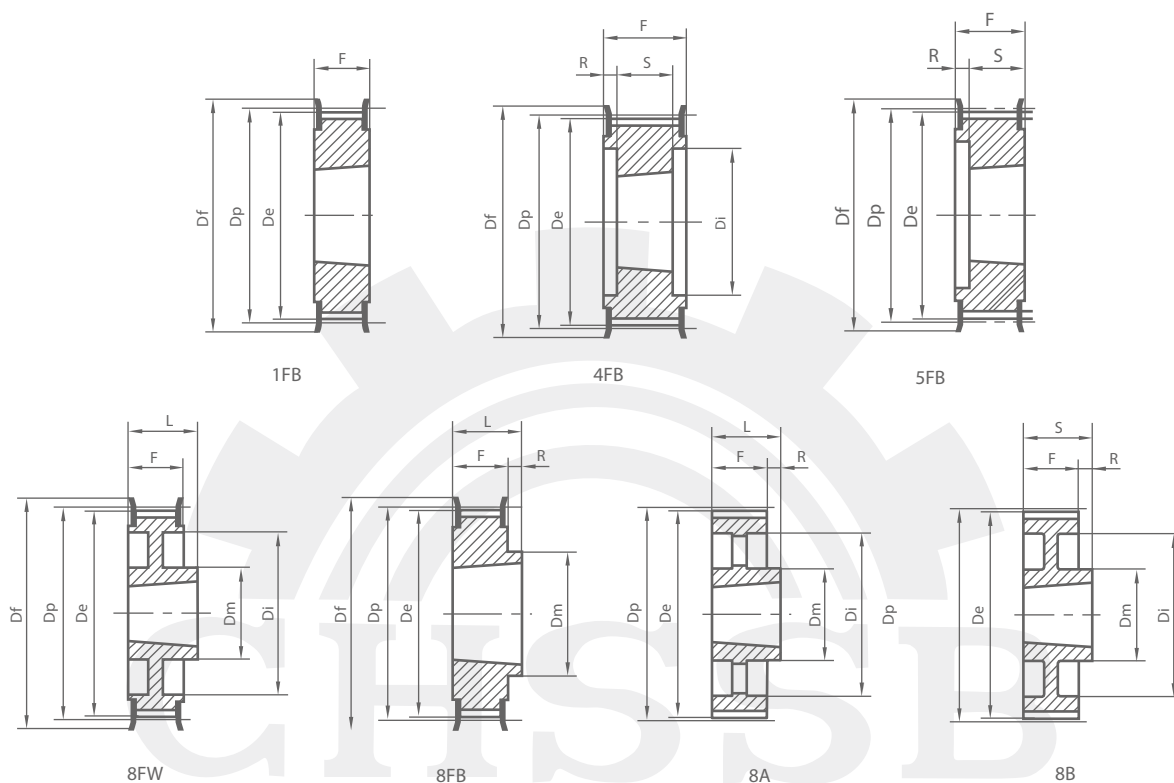
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 10 | 11 | 12 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | |
| 1108 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | | | | | |
| 1210 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 1610 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | |
| 2012 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

T_B^{aper} HTP Timing pulley

BTL

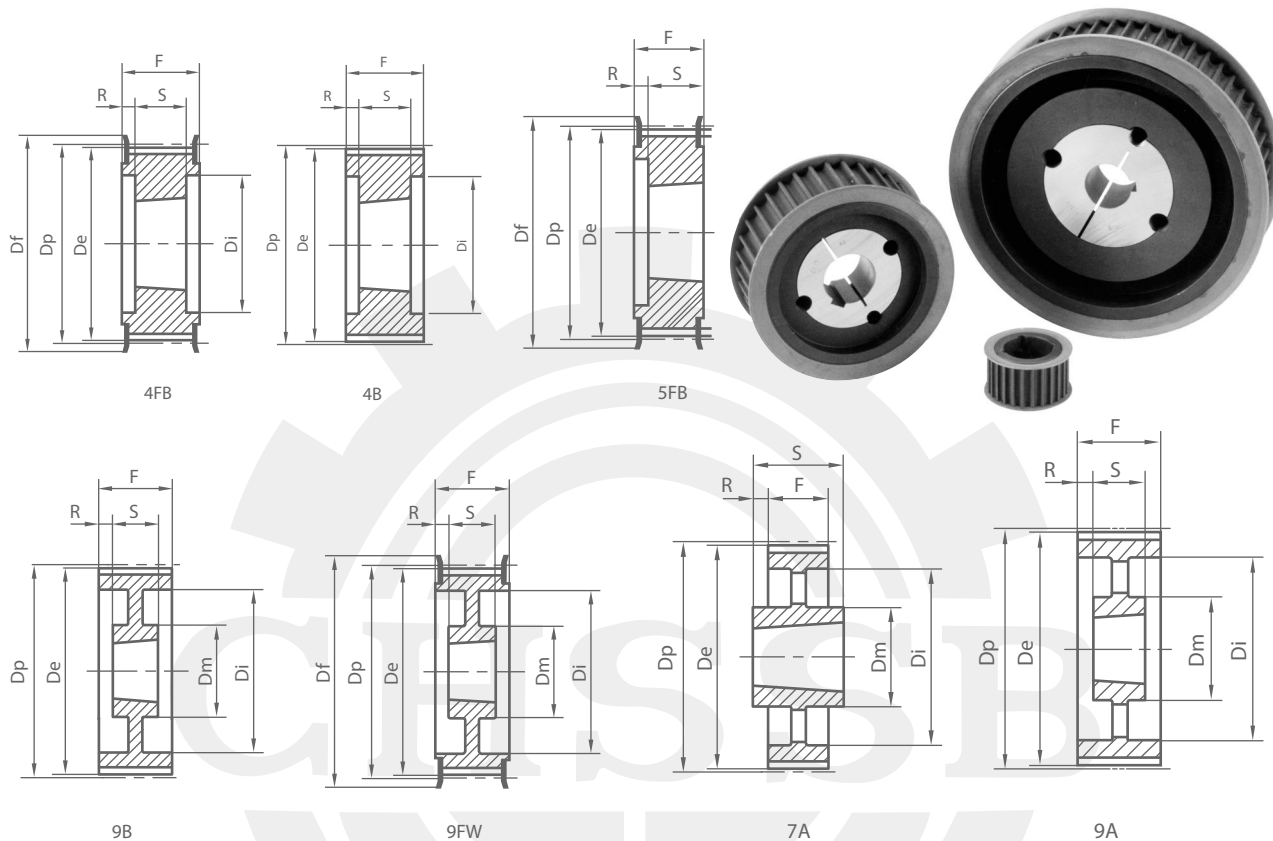


HTP 8M-30

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-------------|------|------|-----|--------|--------|-----|-----|-----|----|----|----|
| TB22-8M-30F | 5FB | 1008 | 22 | 56.02 | 54.65 | 60 | — | 37 | 38 | 22 | 16 |
| TB24-8M-30F | 5FB | 1108 | 24 | 61.11 | 59.74 | 67 | — | 44 | 38 | 22 | 16 |
| TB26-8M-30F | 5FB | 1108 | 26 | 66.21 | 64.84 | 70 | — | 44 | 38 | 22 | 16 |
| TB28-8M-30F | 5FB | 1210 | 28 | 71.30 | 70.08 | 75 | — | 50 | 38 | 25 | 13 |
| TB30-8M-30F | 1FB | 1615 | 30 | 76.39 | 75.13 | 83 | — | — | 38 | 38 | — |
| TB32-8M-30F | 1FB | 1615 | 32 | 81.49 | 80.16 | 87 | — | — | 38 | 38 | — |
| TB34-8M-30F | 1FB | 1615 | 34 | 86.58 | 85.21 | 91 | — | — | 38 | 38 | — |
| TB36-8M-30F | 1FB | 1615 | 36 | 91.67 | 90.30 | 97 | — | — | 38 | 38 | — |
| TB38-8M-30F | 1FB | 1615 | 38 | 96.77 | 95.39 | 102 | — | — | 38 | 38 | — |
| TB40-8M-30F | 1FB | 1615 | 40 | 101.86 | 100.49 | 112 | — | — | 38 | 38 | — |
| TB44-8M-30F | 4FB | 2012 | 44 | 112.05 | 110.67 | 120 | — | 86 | 38 | 32 | 3 |
| TB48-8M-30F | 4FB | 2012 | 48 | 122.23 | 120.86 | 128 | — | 90 | 38 | 32 | 3 |
| TB56-8M-30F | 4FB | 2012 | 56 | 142.60 | 141.23 | 150 | — | 110 | 38 | 32 | 3 |
| TB64-8M-30F | 8FB | 2517 | 64 | 162.97 | 161.60 | 168 | 125 | — | 38 | 45 | 7 |
| TB72-8M-30F | 8FW | 2517 | 72 | 183.35 | 181.97 | 192 | 125 | 158 | 38 | 45 | 7 |
| TB80-8M-30 | 8B | 2517 | 80 | 203.72 | 202.35 | — | 125 | 180 | 38 | 45 | 7 |
| TB90-8M-30 | 8B | 2517 | 90 | 229.18 | 227.81 | — | 125 | 204 | 38 | 45 | 7 |
| TB112-8M-30 | 8A | 2517 | 112 | 285.21 | 283.83 | — | 125 | 254 | 38 | 45 | 7 |
| TB144-8M-30 | 8A | 2517 | 144 | 366.69 | 365.32 | — | 125 | 336 | 38 | 45 | 7 |

$T_{B_{ore}}^{aper}$ HTP Timing pulley

BTL

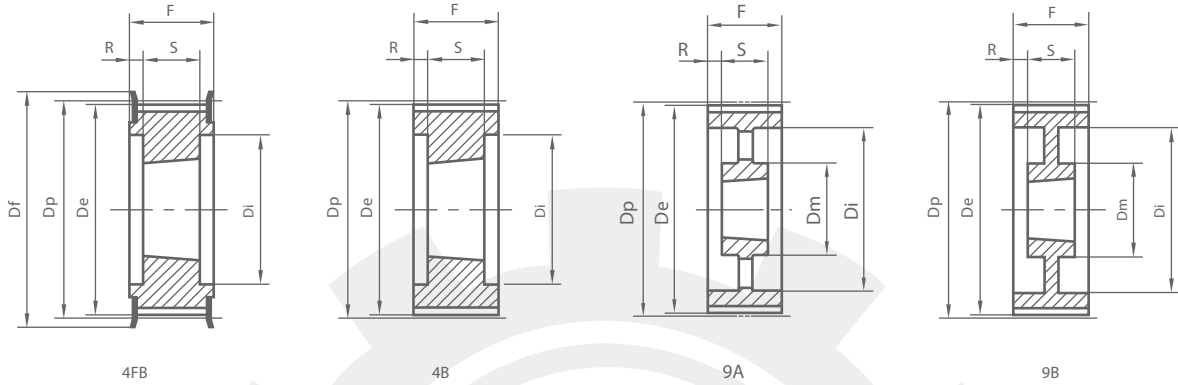


HTP 8M-50

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-------------|------|------|-----|--------|--------|-----|-----|-----|----|----|-----|
| TB28-8M-50F | 5FB | 1210 | 28 | 71.30 | 70.08 | 75 | — | 50 | 60 | 25 | 35 |
| TB30-8M-50F | 5FB | 1615 | 30 | 76.39 | 75.13 | 83 | — | 58 | 60 | 38 | 22 |
| TB32-8M-50F | 5FB | 1615 | 32 | 81.49 | 80.16 | 87 | — | 63 | 60 | 38 | 22 |
| TB34-8M-50F | 5FB | 1615 | 34 | 86.58 | 85.21 | 91 | — | 65 | 60 | 38 | 22 |
| TB36-8M-50F | 5FB | 1615 | 36 | 91.67 | 90.30 | 97 | — | 68 | 60 | 38 | 22 |
| TB38-8M-50F | 5FB | 1615 | 38 | 96.77 | 95.39 | 102 | — | 72 | 60 | 38 | 22 |
| TB40-8M-50F | 4FB | 2012 | 40 | 101.86 | 100.49 | 112 | — | 80 | 60 | 32 | 14 |
| TB44-8M-50F | 4FB | 2012 | 44 | 112.05 | 110.67 | 120 | — | 86 | 60 | 32 | 14 |
| TB48-8M-50F | 4FB | 2012 | 48 | 122.23 | 120.86 | 128 | — | 95 | 60 | 32 | 14 |
| TB56-8M-50F | 4FB | 2517 | 56 | 142.60 | 141.23 | 150 | — | 116 | 60 | 45 | 7.5 |
| TB64-8M-50F | 4FB | 2517 | 64 | 162.97 | 161.60 | 168 | — | 136 | 60 | 45 | 7.5 |
| TB72-8M-50F | 9FW | 2517 | 72 | 183.35 | 181.97 | 192 | 125 | 158 | 60 | 45 | 7.5 |
| TB80-8M-50 | 4B | 3020 | 80 | 203.72 | 202.35 | — | — | 180 | 60 | 51 | 4.5 |
| TB90-8M-50 | 9B | 3020 | 90 | 229.18 | 227.81 | — | 160 | 204 | 60 | 51 | 4.5 |
| TB112-8M-50 | 9B | 3020 | 112 | 285.21 | 283.83 | — | 170 | 254 | 60 | 51 | 4.5 |
| TB144-8M-50 | 9A | 3020 | 144 | 366.69 | 365.32 | — | 170 | 336 | 60 | 51 | 4.5 |
| TB168-8M-50 | 7A | 3525 | 168 | 427.81 | 426.44 | — | 198 | 392 | 60 | 65 | 2.5 |
| TB192-8M-50 | 7A | 3525 | 192 | 488.92 | 487.55 | — | 198 | 455 | 60 | 65 | 2.5 |

T_B^{aper} HTP Timing pulley

BTL



HTP 8M-85

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|-------------|------|------|-----|--------|--------|-----|-----|-----|----|----|------|
| TB34-8M-85F | 4FB | 1615 | 34 | 86.58 | 85.22 | 91 | — | 65 | 95 | 38 | 28.5 |
| TB36-8M-85F | 4FB | 1615 | 36 | 91.67 | 90.30 | 97 | — | 68 | 95 | 38 | 28.5 |
| TB38-8M-85F | 4FB | 1615 | 38 | 96.77 | 95.39 | 102 | — | 72 | 95 | 38 | 28.5 |
| TB40-8M-85F | 4FB | 2012 | 40 | 101.86 | 100.49 | 112 | — | 80 | 95 | 32 | 31.5 |
| TB44-8M-85F | 4FB | 2012 | 44 | 112.05 | 110.67 | 120 | — | 86 | 95 | 32 | 31.5 |
| TB48-8M-85F | 4FB | 2517 | 48 | 122.23 | 120.86 | 128 | — | 97 | 95 | 45 | 25 |
| TB56-8M-85F | 4FB | 2517 | 56 | 142.60 | 141.23 | 150 | — | 116 | 95 | 45 | 25 |
| TB64-8M-85F | 4FB | 2517 | 64 | 162.97 | 161.60 | 168 | — | 136 | 95 | 45 | 25 |
| TB72-8M-85F | 4FB | 3020 | 72 | 183.35 | 181.97 | 192 | — | 150 | 95 | 51 | 22 |
| TB80-8M-80 | 4B | 3020 | 80 | 203.72 | 202.35 | — | — | 180 | 95 | 51 | 22 |
| TB90-8M-85 | 9B | 3020 | 90 | 229.18 | 227.81 | — | 170 | 204 | 95 | 51 | 22 |
| TB112-8M-85 | 9B | 3020 | 112 | 285.21 | 283.83 | — | 170 | 254 | 95 | 51 | 22 |
| TB144-8M-85 | 9A | 3525 | 144 | 366.69 | 365.32 | — | 198 | 336 | 95 | 65 | 15 |
| TB168-8M-85 | 9A | 3525 | 168 | 427.81 | 426.44 | — | 198 | 395 | 95 | 65 | 15 |
| TB192-8M-85 | 9A | 3525 | 192 | 488.92 | 487.55 | — | 198 | 455 | 95 | 65 | 15 |

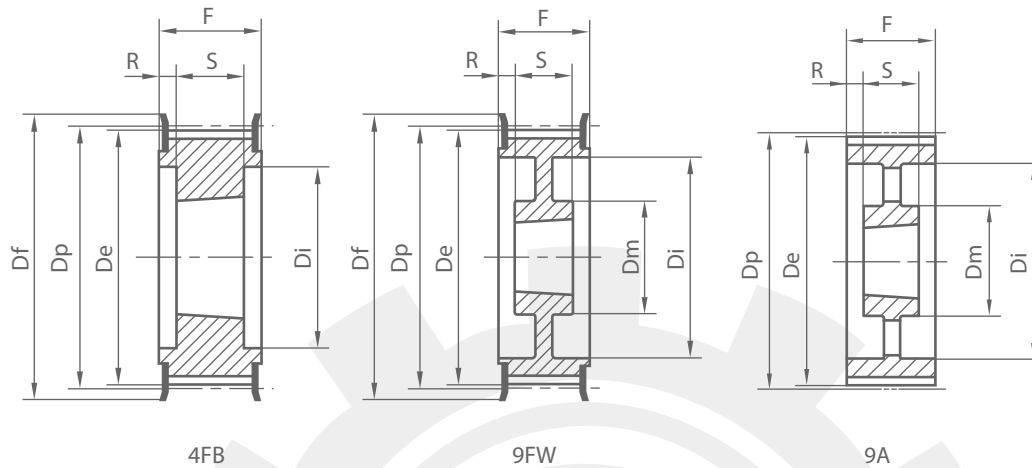
Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | |
| 1615 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | △ | | | | | | | | | |
| 2012 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2517 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 3030 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

△ shallow keyway

$T_{B_{ore}}^{aper}$ HTP Timing pulley

BTL



HTP 14M-40

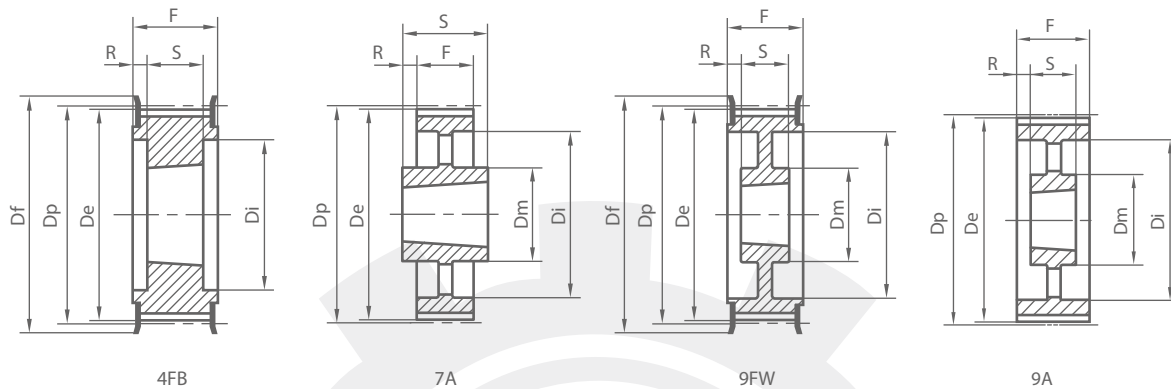
| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|--------------|------|------|-----|--------|--------|-----|-----|-----|----|----|-----|
| TB28-14M-40F | 4FB | 2012 | 28 | 124.78 | 122.12 | 135 | — | 94 | 54 | 32 | 11 |
| TB29-14M-40F | 4FB | 2012 | 29 | 129.23 | 126.57 | 150 | — | 100 | 54 | 32 | 11 |
| TB30-14M-40F | 4FB | 2012 | 30 | 133.69 | 130.99 | 150 | — | 98 | 54 | 32 | 11 |
| TB32-14M-40F | 4FB | 2012 | 32 | 142.60 | 139.88 | 168 | — | 108 | 54 | 32 | 11 |
| TB34-14M-40F | 4FB | 2517 | 34 | 151.52 | 148.79 | 168 | — | 110 | 54 | 45 | 4.5 |
| TB36-14M-40F | 4FB | 2517 | 36 | 160.43 | 157.68 | 175 | — | 120 | 54 | 45 | 4.5 |
| TB38-14M-40F | 4FB | 2517 | 38 | 169.34 | 166.60 | 192 | — | 130 | 54 | 45 | 4.5 |
| TB40-14M-40F | 4FB | 2517 | 40 | 178.25 | 175.49 | 200 | — | 138 | 54 | 45 | 4.5 |
| TB44-14M-40T | 4FB | 3020 | 44 | 196.08 | 193.28 | 211 | — | 155 | 54 | 51 | 1.5 |
| TB48-14M-40F | 4FB | 3020 | 48 | 213.90 | 211.11 | 226 | — | 170 | 54 | 51 | 1.5 |
| TB56-14M-40F | 4FB | 3020 | 56 | 249.55 | 246.76 | 265 | 170 | 208 | 54 | 51 | 1.5 |
| TB64-14M-40F | 9FW | 3020 | 64 | 285.21 | 282.41 | 296 | 170 | 240 | 54 | 51 | 1.5 |
| TB72-14M-40 | 9A | 3020 | 72 | 320.86 | 318.06 | — | 170 | 280 | 54 | 51 | 1.5 |
| TB80-14M-40 | 9A | 3020 | 80 | 356.51 | 353.71 | — | 170 | 315 | 54 | 51 | 1.5 |
| TB90-14M-40 | 9A | 3020 | 90 | 401.07 | 398.28 | — | 170 | 360 | 54 | 51 | 1.5 |
| TB112-14M-40 | 9A | 3020 | 112 | 499.11 | 496.32 | — | 170 | 457 | 54 | 51 | 1.5 |
| TB144-14M-40 | 9A | 3020 | 144 | 641.71 | 638.92 | — | 170 | 600 | 54 | 51 | 1.5 |
| TB168-14M-40 | 9A | 3020 | 168 | 748.66 | 745.87 | — | 170 | 706 | 54 | 51 | 1.5 |
| TB192-14M-40 | 9A | 3020 | 192 | 855.62 | 852.82 | — | 170 | 813 | 54 | 51 | 1.5 |
| TB216-14M-40 | 9A | 3020 | 216 | 962.57 | 959.76 | — | 170 | 920 | 54 | 51 | 1.5 |

Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | |
| 2012 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2517 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 3020 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

T_B^{aper} HTP Timing pulley

BTL



HTP 14M-55

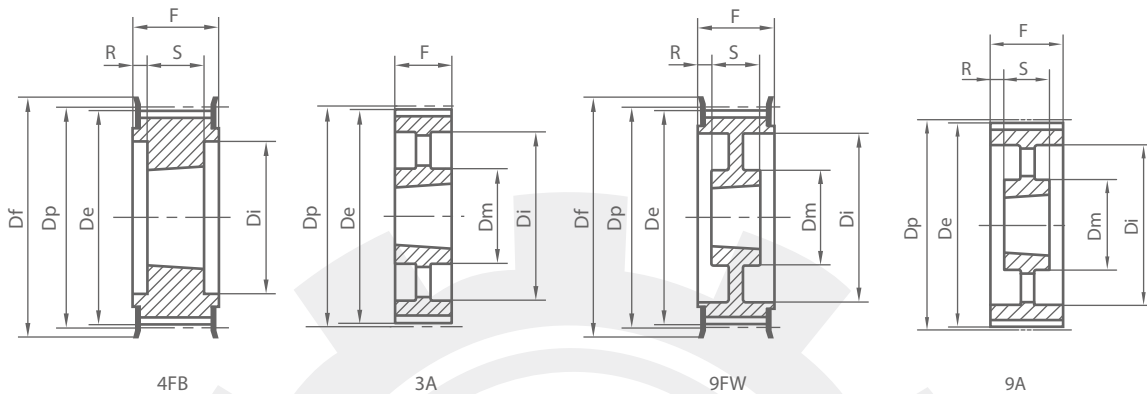
| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|--------------|------|------|-----|--------|--------|-----|-----|-----|----|----|------|
| TB28-14M-55F | 4FB | 2012 | 28 | 124.78 | 122.12 | 135 | — | 94 | 70 | 32 | 19 |
| TB29-14M-55F | 4FB | 2012 | 29 | 129.23 | 126.57 | 150 | — | 100 | 70 | 32 | 19 |
| TB30-14M-55F | 4FB | 2517 | 30 | 133.69 | 130.99 | 150 | — | 100 | 70 | 45 | 12.5 |
| TB32-14M-55F | 4FB | 2517 | 32 | 142.60 | 139.88 | 168 | — | 108 | 70 | 45 | 12.5 |
| TB34-14M-55F | 4FB | 2517 | 34 | 151.52 | 148.79 | 168 | — | 110 | 70 | 45 | 12.5 |
| TB36-14M-55F | 4FB | 2517 | 36 | 160.43 | 157.68 | 175 | — | 120 | 70 | 45 | 12.5 |
| TB38-14M-55F | 4FB | 2517 | 38 | 169.34 | 166.60 | 192 | — | 130 | 70 | 45 | 12.5 |
| TB40-14M-55F | 4FB | 2517 | 40 | 178.25 | 175.49 | 200 | — | 138 | 70 | 45 | 12.5 |
| TB44-14M-55F | 4FB | 3020 | 44 | 196.08 | 193.28 | 211 | — | 155 | 70 | 51 | 9.5 |
| TB48-14M-55F | 4FB | 3020 | 48 | 213.90 | 211.11 | 226 | — | 170 | 70 | 51 | 9.5 |
| TB56-14M-55F | 4FB | 3020 | 56 | 249.55 | 246.76 | 265 | 170 | 208 | 70 | 51 | 9.5 |
| TB64-14M-55F | 9FW | 3020 | 64 | 285.21 | 282.41 | 296 | 170 | 240 | 70 | 51 | 9.5 |
| TB72-14M-55 | 9B | 3020 | 72 | 320.86 | 318.06 | — | 170 | 280 | 70 | 51 | 9.5 |
| TB80-14M-55 | 9A | 3020 | 80 | 356.51 | 353.71 | — | 170 | 315 | 70 | 51 | 9.5 |
| TB90-14M-55 | 9A | 3020 | 90 | 401.07 | 398.28 | — | 170 | 360 | 70 | 51 | 9.5 |
| TB112-14M-55 | 9A | 3020 | 112 | 499.11 | 496.32 | — | 170 | 457 | 70 | 51 | 9.5 |
| TB144-14M-55 | 9A | 3020 | 144 | 641.71 | 638.92 | — | 170 | 600 | 70 | 51 | 9.5 |
| TB168-14M-55 | 9A | 3020 | 168 | 748.66 | 745.87 | — | 170 | 706 | 70 | 51 | 9.5 |
| TB192-14M-55 | 9A | 3020 | 192 | 855.62 | 852.82 | — | 170 | 813 | 70 | 51 | 9.5 |
| TB216-14M-55 | 7A | 3535 | 216 | 962.57 | 959.76 | — | 190 | 920 | 70 | 89 | 9.5 |

Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 58 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
| 2012 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2517 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3020 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 3535 | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

T_B^{aper}_{ore} HTP Timing pulley

BTL



HTP 14M-85

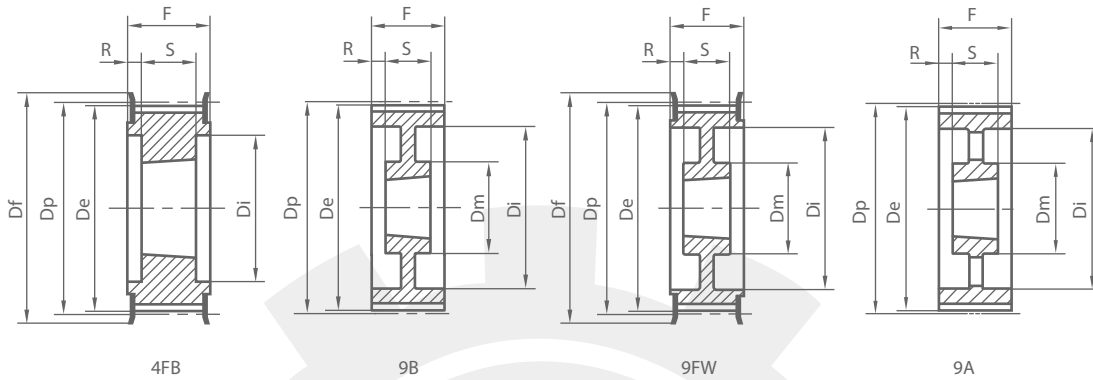
| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|---------------|------|------|-----|--------|--------|-----|-----|-----|-----|-----|------|
| TB28-14M-85F | 4FB | 2517 | 28 | 124.78 | 122.12 | 135 | — | 98 | 102 | 45 | 28.5 |
| TB29-14M-85F* | 4FB | 2517 | 29 | 129.23 | 126.57 | 150 | — | 100 | 102 | 45 | 28.5 |
| TB30-14M-85F | 4FB | 2517 | 30 | 133.69 | 130.99 | 150 | — | 100 | 102 | 45 | 28.5 |
| TB32-14M-85F | 4FB | 2517 | 32 | 142.60 | 139.88 | 168 | — | 108 | 102 | 45 | 28.5 |
| TB34-14M-85F | 4FB | 2517 | 34 | 151.52 | 148.79 | 168 | — | 110 | 102 | 45 | 28.5 |
| TB36-14M-85F | 4FB | 3020 | 36 | 160.43 | 157.68 | 175 | — | 125 | 102 | 51 | 25.5 |
| TB38-14M-85F | 4FB | 3020 | 38 | 169.34 | 166.60 | 192 | — | 130 | 102 | 51 | 25.5 |
| TB40-14M-85F | 4FB | 3020 | 40 | 178.25 | 175.49 | 200 | — | 138 | 102 | 51 | 25.5 |
| TB44-14M-85F | 4FB | 3030 | 44 | 196.08 | 193.28 | 211 | — | 155 | 102 | 76 | 13 |
| TB48-14M-85F | 4FB | 3030 | 48 | 213.90 | 211.11 | 226 | — | 170 | 102 | 76 | 13 |
| TB56-14M-85F | 4FB | 3525 | 56 | 249.55 | 246.76 | 265 | 190 | 210 | 102 | 65 | 6.5 |
| TB64-14M-85F | 9FW | 3525 | 64 | 285.21 | 282.41 | 296 | 190 | 242 | 102 | 65 | 6.5 |
| TB72-14M-85F | 9B | 3525 | 72 | 320.86 | 318.06 | — | 190 | 280 | 102 | 65 | 6.5 |
| TB80-14M-85 | 9A | 3525 | 80 | 356.51 | 353.71 | — | 190 | 315 | 102 | 65 | 6.5 |
| TB90-14M-85 | 9A | 3525 | 90 | 401.07 | 398.28 | — | 190 | 360 | 102 | 65 | 6.5 |
| TB112-14M-85 | 9A | 3525 | 112 | 499.11 | 496.32 | — | 190 | 457 | 102 | 65 | 6.5 |
| TB144-14M-85 | 9A | 3525 | 144 | 641.71 | 638.92 | — | 190 | 600 | 102 | 65 | 6.5 |
| TB168-14M-85 | 9A | 3525 | 168 | 748.66 | 745.87 | — | 190 | 706 | 102 | 65 | 6.5 |
| TB192-14M-85 | 3A | 4040 | 192 | 855.62 | 852.82 | — | 230 | 813 | 102 | 102 | — |
| TB216-14M-85* | 3A | 4040 | 216 | 962.57 | 959.76 | — | 230 | 920 | 102 | 102 | — |

Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|
| | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | |
| 2517 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 3020 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3030 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3535 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4040 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

T_B^{aper} HTP Timing pulley

BTL



HTP 14M-115

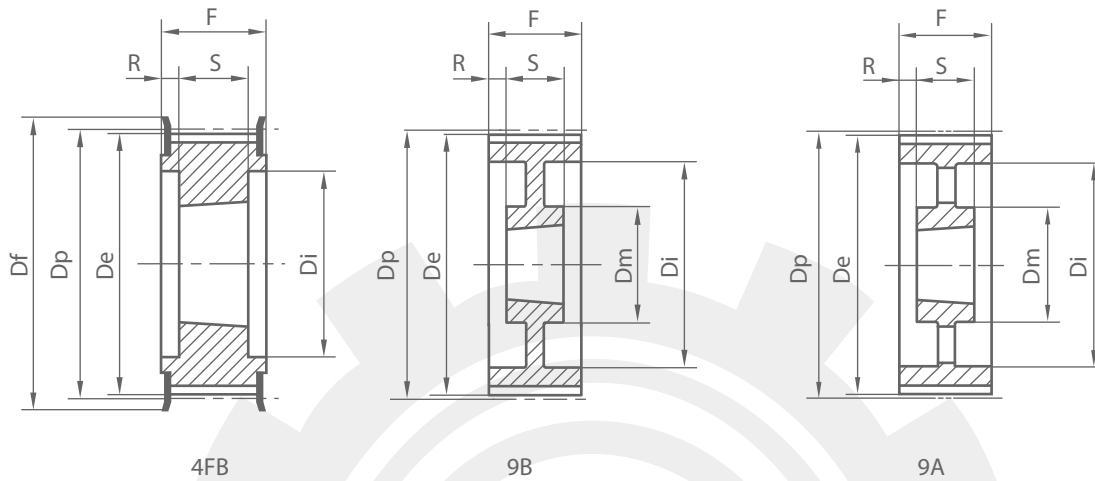
| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|----------------|------|------|-----|--------|--------|-----|-----|-----|-----|-----|------|
| TB28-14M-115F | 4FB | 2517 | 28 | 124.78 | 122.12 | 135 | — | 98 | 133 | 45 | 44 |
| TB29-14M-115F* | 4FB | 2517 | 29 | 129.23 | 126.57 | 150 | — | 100 | 133 | 45 | 44 |
| TB30-14M-115F | 4FB | 2517 | 30 | 133.69 | 130.99 | 150 | — | 100 | 133 | 45 | 44 |
| TB32-14M-115F | 4FB | 2517 | 32 | 142.60 | 139.88 | 168 | — | 108 | 133 | 45 | 44 |
| TB34-14M-115F | 4FB | 2517 | 34 | 151.52 | 148.79 | 168 | — | 110 | 133 | 45 | 44 |
| TB36-14M-115F | 4FB | 3020 | 36 | 160.43 | 157.68 | 175 | — | 125 | 133 | 51 | 41 |
| TB38-14M-115F | 4FB | 3020 | 38 | 169.34 | 166.60 | 192 | — | 130 | 133 | 51 | 41 |
| TB40-14M-115F | 4FB | 3020 | 40 | 178.25 | 175.49 | 200 | — | 138 | 133 | 51 | 41 |
| TB44-14M-115F | 4FB | 3030 | 44 | 196.08 | 193.28 | 211 | — | 155 | 133 | 76 | 28.5 |
| TB48-14M-115F | 4FB | 3030 | 48 | 213.90 | 211.11 | 226 | — | 170 | 133 | 76 | 28.5 |
| TB56-14M-115F | 4FB | 3535 | 56 | 249.55 | 246.76 | 265 | — | 210 | 133 | 89 | 22 |
| TB64-14M-115F | 9FW | 3535 | 64 | 285.21 | 282.41 | 296 | 190 | 240 | 133 | 89 | 22 |
| TB72-14M-115 | 9B | 3535 | 72 | 320.86 | 318.06 | — | 190 | 280 | 133 | 89 | 22 |
| TB80-14M-115 | 9A | 3535 | 80 | 356.51 | 353.71 | — | 190 | 315 | 133 | 89 | 22 |
| TB90-14M-115 | 9A | 3535 | 90 | 401.07 | 398.28 | — | 190 | 360 | 133 | 89 | 22 |
| TB112-14M-115 | 9A | 3535 | 112 | 499.11 | 496.32 | — | 190 | 457 | 133 | 89 | 22 |
| TB144-14M-115 | 9A | 4040 | 144 | 641.71 | 638.92 | — | 230 | 600 | 133 | 102 | 15.5 |
| TB168-14M-115 | 9A | 4040 | 168 | 748.66 | 745.87 | — | 230 | 706 | 133 | 102 | 15.5 |
| TB192-14M-115 | 9A | 4040 | 192 | 855.62 | 852.82 | — | 230 | 813 | 133 | 102 | 15.5 |
| TB216-14M-115* | 9A | 4040 | 216 | 962.57 | 959.76 | — | 230 | 920 | 133 | 102 | 15.5 |

Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|
| | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | |
| 2517 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 3020 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 3030 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 3535 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4040 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

T_{Bore}^{aper} HTP Timing pulley

BTL



HTD 14M-170

| SPCFCTN | TYPE | BUSH | Z | Dp | De | Df | Dm | Di | F | S | R |
|---------------|------|------|-----|--------|--------|-----|-----|-----|-----|-----|------|
| TB38-14M-170F | 4FB | 3030 | 38 | 169.34 | 166.60 | 192 | — | 130 | 187 | 76 | 55.5 |
| TB40-14M-170F | 4FB | 3030 | 40 | 178.25 | 175.49 | 200 | — | 140 | 187 | 76 | 55.5 |
| TB44-14M-170F | 4FB | 3535 | 44 | 196.08 | 193.28 | 211 | — | 155 | 187 | 89 | 49 |
| TB48-14M-170F | 4FB | 3535 | 48 | 213.90 | 211.11 | 226 | — | 175 | 187 | 89 | 49 |
| TB56-14M-170F | 4FB | 3535 | 56 | 249.55 | 246.76 | 265 | — | 210 | 187 | 89 | 49 |
| TB64-14M-170F | 4FB | 4040 | 64 | 285.21 | 282.41 | 296 | — | 240 | 187 | 102 | 42.5 |
| TB72-14M-170 | 9B | 4040 | 72 | 320.86 | 318.06 | — | 230 | 280 | 187 | 102 | 42.5 |
| TB80-14M-170 | 9B | 4040 | 80 | 356.51 | 353.71 | — | 230 | 315 | 187 | 102 | 42.5 |
| TB90-14M-170 | 9A | 4040 | 90 | 401.07 | 398.28 | — | 230 | 360 | 187 | 102 | 42.5 |
| TB112-14M-170 | 9A | 5050 | 112 | 499.11 | 496.32 | — | 265 | 456 | 187 | 127 | 30 |
| TB144-14M-170 | 9A | 5050 | 144 | 641.71 | 638.92 | — | 265 | 600 | 187 | 127 | 30 |
| TB168-14M-170 | 9A | 5050 | 168 | 748.66 | 745.87 | — | 265 | 706 | 187 | 127 | 30 |
| TB192-14M-170 | 9A | 5050 | 192 | 855.62 | 852.82 | — | 265 | 813 | 187 | 127 | 30 |
| TB216-14M-170 | 9A | 5050 | 216 | 962.57 | 959.76 | — | 265 | 920 | 187 | 127 | 30 |

Standard bore dimensions of BTL bushings

| Bushing | Stock Bores | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|---|
| | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 115 | 120 | 125 | |
| 3030 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 3535 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 4040 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 5050 | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |