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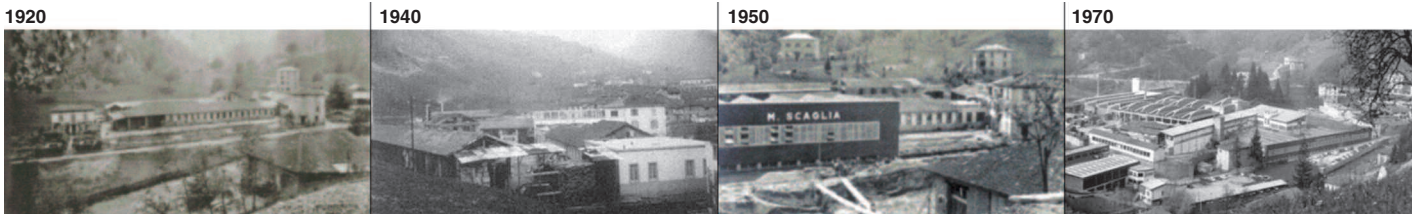
SIT Power Transmission, a history of passion and technology

SIT S.p.A., a core member of the Scaglia Group which was founded nearly 200 years ago in Bergamo Italy, has a 50 years history dedicated to manufacturing and supplying power transmission products.

This experience fuels innovative design and high quality reliable products confirmed by our ISO 9001, ATEX and ROHS certifications. Due to its winning mix of human creativity and technology, SIT is recognized as an industry leader.

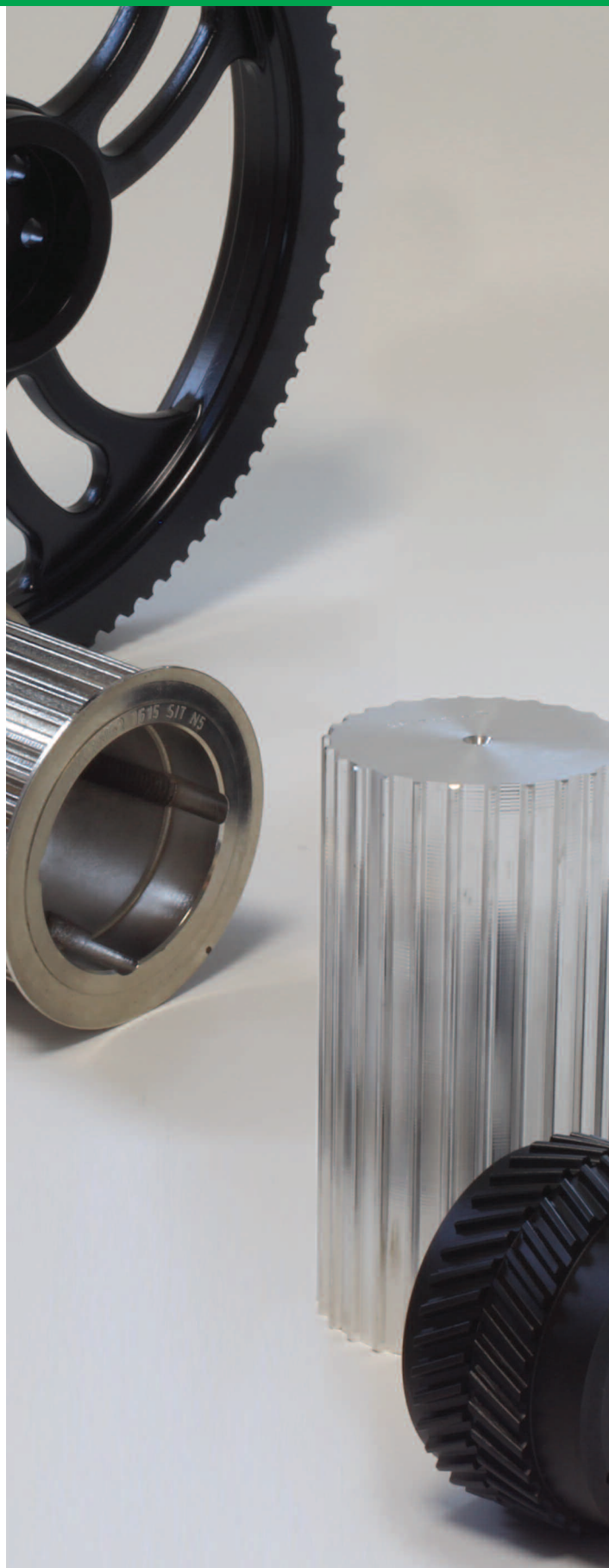
With its worldwide distribution network, SIT is able to offer customers technical drive design assistance and consultation, a full stock range and quick yet precise service.

SIT S.p.A, manufactures and sells the widest range both of belts and pulleys for friction and synchronous drives, keyless self locking units, chain drives, ball bearings, planetary geraboxes, gear and backlash couplings and motor bases, standard and according to customer specifications.



Today

Timing Pulleys



SIT timing pulleys - IMPERIAL PITCH

Timing pulleys IMPERIAL PITCH are available with solid hub execution and for assembly with SER-SIT® taper bushing. These types of pulleys are available in a wide range of pitches and teeth number.

Solid hub

Material: aluminum/cast iron/steel.
Finishing: protective surface treatment.

Pitch:

- XL
- L
- H
- XXH



For mounting taper bushing SER-SIT®

Material: cast iron.
Finishing: protective surface treatment.

Pitch:

- L
- H
- XH



Special executions

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

$$\text{peripheral speed [m/s]} = \frac{\text{pulley diameter [mm]} \cdot \text{rpm}}{19100}$$

In order to reduce the system weight, the pulleys can be manufactured from light metals; in this case the lifetime will be reduced when compared to the standard because the nylon belt coating has a slightly abrasive effect. This disadvantage can be reduced with a high thickness anodization coating of the teeth.

Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.

Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.

In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal, both pulleys have to be flanged.

TOLERANCES

Pulley diameter tolerances

| External diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 25,4 | +0,05 - 0,00 |
| from 25,4 to 50,8 | +0,08 - 0,00 |
| from 50,8 to 101,6 | +0,10 - 0,00 |
| from 101,6 to 177,8 | +0,13 - 0,00 |
| from 177,8 to 304,8 | +0,15 - 0,00 |
| from 304,8 to 508,0 | +0,18 - 0,00 |
| from 508,0 to 762,0 | +0,20 - 0,00 |
| from 762,0 to 1016,0 | +0,23 - 0,00 |
| more than 1016,0 | +0,25 - 0,00 |

Radial circular runout

| External diameter [mm] | Measured total eccentricity [mm] |
|------------------------|------------------------------------|
| up to 203,2 | 0,13 |
| more than 203,2 | add 0,013 for any 25,4 of diameter |

Cylindricity tolerance

| Pulley width | Tolerances |
|----------------|---|
| for any 100 mm | 0,1 mm without exceeding the external diameter tolerance |

Protective coating

All (steel and cast iron) pulleys are treated with surface process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.

On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

Note

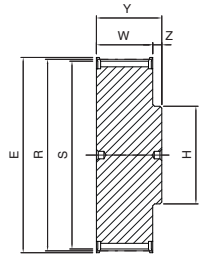
Due to a constant improvement of our products, technical data of the pulleys may be subject to changes. For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used. For confirmation of the material actually available, please contact customer service.

Dimensions of timing pulleys IMPERIAL PITCH - solid hub

Pitches XL - L - H - XH - XXH



| | |
|---|---------------------|
| Part Number | PD 40 XL 037 |
| IMPERIAL PITCH timing pulleys - solid hub | |
| Number of teeth | |
| Pitch | |
| Belt width in inches x 100 | |

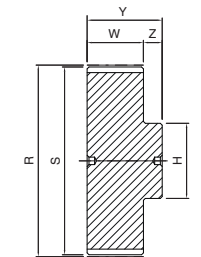


XL

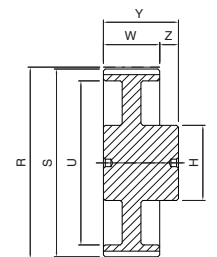
1

PD ... XL 037

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD10XL037 | 10 | 1 | 23,0 | 16,17 | 15,66 | - | 10,0 | - | 14,3 | 25,0 | 10,7 | with flanges | aluminum |
| PD11XL037 | 11 | 1 | 23,0 | 17,79 | 17,28 | - | 10,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD12XL037 | 12 | 1 | 25,0 | 19,40 | 18,89 | - | 12,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD13XL037 | 13 | 1 | 25,0 | 21,02 | 20,51 | - | 12,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD14XL037 | 14 | 1 | 28,0 | 22,64 | 22,13 | - | 15,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD15XL037 | 15 | 1 | 28,0 | 24,25 | 23,74 | - | 16,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD16XL037 | 16 | 1 | 32,0 | 25,87 | 25,36 | - | 17,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD17XL037 | 17 | 1 | 32,0 | 27,49 | 26,98 | - | 20,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD18XL037 | 18 | 1 | 35,0 | 29,11 | 28,60 | - | 20,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD19XL037 | 19 | 1 | 35,0 | 30,72 | 30,21 | - | 20,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD20XL037 | 20 | 1 | 38,0 | 32,34 | 31,83 | - | 24,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD21XL037 | 21 | 1 | 38,0 | 33,96 | 33,45 | - | 24,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD22XL037 | 22 | 1 | 41,0 | 35,57 | 35,06 | - | 27,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD24XL037 | 24 | 1 | 44,0 | 38,81 | 38,30 | - | 30,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD25XL037 | 25 | 1 | 44,0 | 39,93 | 39,93 | - | 30,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD26XL037 | 26 | 1 | 48,0 | 42,03 | 41,53 | - | 30,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD27XL037 | 27 | 1 | 48,0 | 43,66 | 43,15 | - | 32,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD28XL037 | 28 | 1 | 51,0 | 45,28 | 44,77 | - | 34,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD29XL037 | 29 | 1 | 51,0 | 46,89 | 46,38 | - | 34,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD30XL037 | 30 | 1 | 54,0 | 48,51 | 48,00 | - | 38,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD32XL037 | 32 | 1A | - | 51,74 | 51,23 | - | 45,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD34XL037 | 34 | 1A | - | 54,98 | 54,47 | - | 45,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD35XL037 | 35 | 1A | - | 56,60 | 56,09 | - | 45,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD36XL037 | 36 | 1A | - | 58,21 | 57,70 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD38XL037 | 38 | 1A | - | 61,45 | 60,94 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD39XL037 | 39 | 1A | - | 63,06 | 62,55 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD40XL037 | 40 | 1A | - | 64,68 | 64,17 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD41XL037 | 41 | 1A | - | 66,30 | 65,79 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD42XL037 | 42 | 1A | - | 67,91 | 67,40 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD43XL037 | 43 | 1A | - | 69,53 | 69,02 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD44XL037 | 44 | 1A | - | 71,15 | 70,64 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD45XL037 | 45 | 1A | - | 72,77 | 72,26 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD46XL037 | 46 | 1A | - | 74,38 | 73,87 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD47XL037 | 47 | 1A | - | 76,00 | 75,49 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD48XL037 | 48 | 1A | - | 77,62 | 77,11 | - | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD49XL037 | 49 | 3A | - | 79,23 | 78,72 | 54,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD52XL037 | 52 | 3A | - | 84,08 | 83,57 | 58,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD56XL037 | 56 | 3A | - | 90,55 | 90,04 | 65,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD57XL037 | 57 | 3A | - | 92,17 | 91,66 | 67,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD58XL037 | 58 | 3A | - | 93,79 | 93,28 | 69,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD59XL037 | 59 | 3A | - | 95,40 | 94,89 | 70,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD60XL037 | 60 | 3A | - | 97,02 | 96,51 | 71,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD68XL037 | 68 | 3A | - | 109,96 | 109,45 | 84,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD69XL037 | 69 | 3A | - | 111,57 | 111,06 | 85,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD70XL037 | 70 | 3A | - | 113,19 | 112,68 | 87,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD71XL037 | 71 | 3A | - | 114,81 | 114,30 | 89,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |
| PD72XL037 | 72 | 3A | - | 116,43 | 115,92 | 91,0 | 52,0 | - | 14,3 | 25,0 | 10,7 | | |



1A



3A

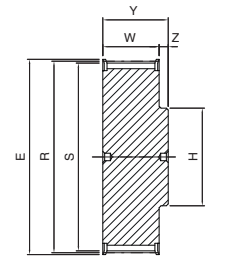
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



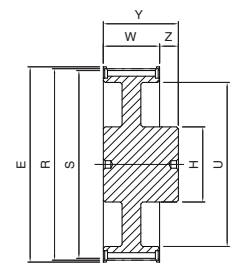
PD ... L 050

L

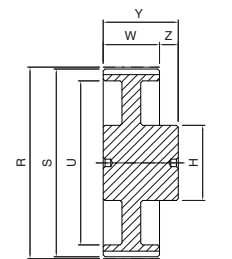
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD10L050 | 10 | 1 | 37,0 | 30,32 | 29,56 | - | 20,0 | - | 19,0 | 30,0 | 11,0 | with flanges | steel |
| PD11L050 | 11 | 1 | 37,0 | 33,35 | 32,59 | - | 20,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD12L050 | 12 | 1 | 43,0 | 36,38 | 35,62 | - | 27,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD13L050 | 13 | 1 | 44,0 | 39,41 | 38,65 | - | 27,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD14L050 | 14 | 1 | 48,0 | 42,45 | 41,69 | - | 29,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD15L050 | 15 | 1 | 51,0 | 45,48 | 44,72 | - | 32,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD16L050 | 16 | 1 | 54,0 | 48,51 | 47,75 | - | 37,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD17L050 | 17 | 1 | 57,0 | 51,54 | 50,78 | - | 37,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD18L050 | 18 | 1 | 60,0 | 54,57 | 53,81 | - | 41,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD19L050 | 19 | 1 | 64,0 | 57,61 | 56,84 | - | 41,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD20L050 | 20 | 1 | 66,5 | 60,64 | 59,88 | - | 47,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD21L050 | 21 | 1 | 70,0 | 63,67 | 62,91 | - | 47,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD22L050 | 22 | 1 | 75,0 | 66,70 | 65,94 | - | 50,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD23L050 | 23 | 1 | 79,0 | 69,73 | 68,97 | - | 50,0 | - | 19,0 | 30,0 | 11,0 | | |
| PD24L050 | 24 | 1 | 79,0 | 72,77 | 72,01 | - | 55,0 | - | 19,0 | 32,0 | 13,0 | | |
| PD25L050 | 25 | 1 | 82,5 | 75,80 | 75,04 | - | 58,0 | - | 19,0 | 32,0 | 13,0 | | |
| PD26L050 | 26 | 1 | 86,0 | 78,83 | 78,07 | - | 64,0 | - | 19,0 | 32,0 | 13,0 | | |
| PD27L050 | 27 | 1 | 86,0 | 81,86 | 81,10 | - | 64,0 | - | 19,0 | 32,0 | 13,0 | | |
| PD28L050 | 28 | 1 | 91,0 | 84,89 | 84,13 | - | 70,0 | - | 19,0 | 32,0 | 13,0 | | |
| PD29L050 | 29 | 1 | 94,0 | 87,93 | 87,16 | - | 70,0 | - | 19,0 | 32,0 | 13,0 | | |
| PD30L050 | 30 | 1 | 97,0 | 90,96 | 90,20 | - | 72,0 | - | 19,0 | 34,0 | 15,0 | | |
| PD32L050 | 32 | 1 | 102,0 | 97,02 | 96,26 | - | 75,0 | - | 19,0 | 34,0 | 15,0 | | |
| PD33L050 | 33 | 1 | 106,0 | 100,05 | 99,29 | - | 80,0 | - | 19,0 | 34,0 | 15,0 | | |
| PD34L050 | 34 | 1 | 112,0 | 103,08 | 102,32 | - | 85,0 | - | 19,0 | 34,0 | 15,0 | | |
| PD35L050 | 35 | 1 | 112,0 | 106,12 | 105,35 | - | 88,0 | - | 19,0 | 34,0 | 15,0 | | |
| PD36L050 | 36 | 1 | 115,0 | 109,15 | 108,39 | - | 88,0 | - | 19,0 | 34,0 | 15,0 | | |
| PD40L050 | 40 | 3 | 128,0 | 121,28 | 120,52 | 100,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 | | |
| PD41L050 | 41 | 3 | 128,0 | 124,31 | 123,55 | 103,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 | | |
| PD42L050 | 42 | 3 | 135,0 | 127,34 | 126,58 | 106,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 | | |
| PD44L050 | 44 | 3 | 142,0 | 133,40 | 132,64 | 112,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 | | |
| PD45L050 | 45 | 3 | 142,0 | 136,44 | 135,67 | 115,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 | | |
| PD47L050 | 47 | 3 | 150,0 | 142,50 | 141,74 | 121,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 | | |
| PD48L050 | 48 | 3 | 150,0 | 145,53 | 144,77 | 124,0 | 68,0 | 11,0 | 19,0 | 46,0 | 27,0 | | |
| PD49L050 | 49 | 3A | - | 148,56 | 147,80 | 127,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD50L050 | 50 | 3A | - | 151,60 | 150,83 | 130,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD52L050 | 52 | 3A | - | 157,66 | 156,90 | 136,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD56L050 | 56 | 3A | - | 169,79 | 169,02 | 139,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD57L050 | 57 | 3A | - | 172,82 | 172,06 | 152,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD60L050 | 60 | 3A | - | 181,91 | 181,15 | 160,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD65L050 | 65 | 3A | - | 197,07 | 196,31 | 176,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD66L050 | 66 | 3A | - | 200,11 | 199,34 | 179,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD72L050 | 72 | 3A | - | 218,30 | 217,54 | 197,0 | 75,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD84L050 | 84 | 3A | - | 254,68 | 253,92 | 233,0 | 75,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD90L050 | 90 | 3A | - | 272,87 | 272,11 | 252,0 | 75,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD96L050 | 96 | 3A | - | 291,06 | 290,30 | 270,0 | 80,0 | 12,0 | 19,0 | 46,0 | 27,0 | | |
| PD120L050 | 120 | 5B | - | 363,83 | 363,07 | 342,0 | 85,0 | 18,0 | 19,0 | 46,0 | 27,0 | | |



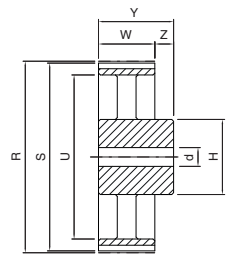
1



3*



3A*



5B

* = A prebore, with a maximum diameter "d", might be present.

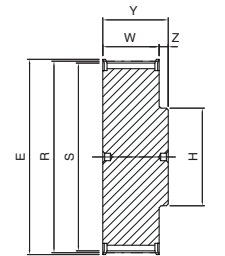
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



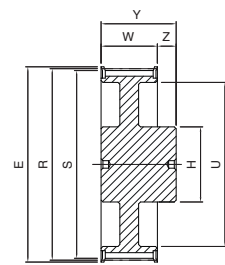
PD ... L 075

L

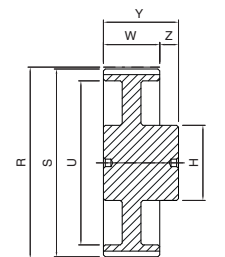
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD10L075 | 10 | 1 | 37,0 | 30,32 | 29,56 | - | 20,0 | - | 25,4 | 38,0 | 12,6 | with flanges | steel |
| PD11L075 | 11 | 1 | 37,0 | 33,35 | 32,59 | - | 20,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD12L075 | 12 | 1 | 43,0 | 36,38 | 35,62 | - | 27,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD13L075 | 13 | 1 | 44,0 | 39,41 | 38,65 | - | 27,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD14L075 | 14 | 1 | 48,0 | 42,45 | 41,69 | - | 29,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD15L075 | 15 | 1 | 51,0 | 45,48 | 44,72 | - | 32,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD16L075 | 16 | 1 | 54,0 | 48,51 | 47,75 | - | 37,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD17L075 | 17 | 1 | 57,0 | 51,54 | 50,78 | - | 37,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD18L075 | 18 | 1 | 60,0 | 54,57 | 53,81 | - | 41,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD19L075 | 19 | 1 | 64,0 | 57,61 | 56,84 | - | 41,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD20L075 | 20 | 1 | 66,5 | 60,64 | 59,88 | - | 47,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD21L075 | 21 | 1 | 70,0 | 63,67 | 62,91 | - | 47,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD22L075 | 22 | 1 | 75,0 | 66,70 | 65,94 | - | 50,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD23L075 | 23 | 1 | 79,0 | 69,73 | 68,97 | - | 50,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD24L075 | 24 | 1 | 79,0 | 72,77 | 72,01 | - | 57,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD25L075 | 25 | 1 | 83,0 | 75,80 | 75,04 | - | 58,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD26L075 | 26 | 1 | 87,0 | 78,83 | 78,07 | - | 64,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD27L075 | 27 | 1 | 87,0 | 81,86 | 81,10 | - | 64,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD28L075 | 28 | 1 | 91,0 | 84,89 | 84,13 | - | 70,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD29L075 | 29 | 1 | 93,0 | 87,93 | 87,16 | - | 70,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD30L075 | 30 | 1 | 97,0 | 90,96 | 90,20 | - | 72,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD32L075 | 32 | 1 | 102,0 | 97,02 | 96,26 | - | 75,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD33L075 | 33 | 1 | 106,0 | 100,05 | 99,29 | - | 80,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD34L075 | 34 | 1 | 112,0 | 103,08 | 102,32 | - | 85,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD35L075 | 35 | 1 | 112,0 | 106,12 | 105,35 | - | 88,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD36L075 | 36 | 1 | 128,0 | 109,15 | 108,39 | - | 88,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD40L075 | 40 | 3 | 128,0 | 121,28 | 120,52 | 100,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 | | |
| PD41L075 | 41 | 3 | 128,0 | 124,31 | 123,55 | 103,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 | | |
| PD42L075 | 42 | 3 | 135,0 | 127,34 | 126,58 | 106,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 | | |
| PD44L075 | 44 | 3 | 142,0 | 133,40 | 132,64 | 112,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 | | |
| PD45L075 | 45 | 3 | 150,0 | 136,44 | 135,67 | 115,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 | | |
| PD47L075 | 47 | 3 | 150,0 | 142,50 | 141,74 | 121,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 | | |
| PD48L075 | 48 | 3 | 150,0 | 145,53 | 144,77 | 124,0 | 68,0 | 11,0 | 25,4 | 48,0 | 22,6 | | |
| PD49L075 | 49 | 3A | - | 148,56 | 147,80 | 127,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD50L075 | 50 | 3A | - | 151,60 | 150,83 | 130,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD52L075 | 52 | 3A | - | 157,66 | 156,90 | 136,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD56L075 | 56 | 3A | - | 169,79 | 169,02 | 139,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD57L075 | 57 | 3A | - | 172,82 | 172,06 | 152,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD60L075 | 60 | 3A | - | 181,91 | 181,15 | 160,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD65L075 | 65 | 3A | - | 197,07 | 196,31 | 176,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD66L075 | 66 | 3A | - | 200,11 | 199,34 | 179,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD72L075 | 72 | 3A | - | 218,30 | 217,54 | 197,0 | 75,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD84L075 | 84 | 3A | - | 254,68 | 253,92 | 233,0 | 75,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD90L075 | 90 | 3A | - | 272,87 | 272,11 | 252,0 | 75,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD96L075 | 96 | 3A | - | 291,06 | 290,30 | 270,0 | 80,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD120L075 | 120 | 5B | - | 363,83 | 363,07 | 342,0 | 85,0 | 18,0 | 25,4 | 48,0 | 22,6 | | |



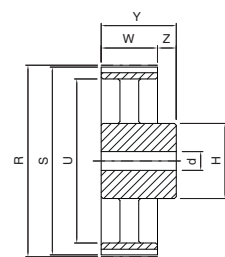
1



3*



3A*



5B

* = A prebore, with a maximum diameter "d", might be present.

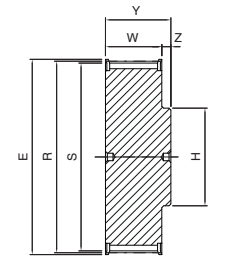
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



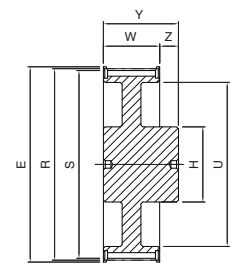
PD ... L 100

L

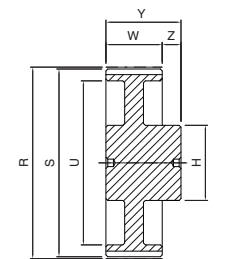
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD10L100 | 10 | 1 | 37,0 | 30,32 | 29,56 | - | 20,0 | - | 32,0 | 46,0 | 14,0 | with flanges | steel |
| PD11L100 | 11 | 1 | 37,0 | 33,35 | 32,59 | - | 20,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD12L100 | 12 | 1 | 43,0 | 36,38 | 35,62 | - | 27,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD13L100 | 13 | 1 | 44,0 | 39,41 | 38,65 | - | 27,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD14L100 | 14 | 1 | 48,0 | 42,45 | 41,69 | - | 29,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD15L100 | 15 | 1 | 51,0 | 45,48 | 44,72 | - | 32,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD16L100 | 16 | 1 | 54,0 | 48,51 | 47,75 | - | 37,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD17L100 | 17 | 1 | 57,0 | 51,54 | 50,78 | - | 37,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD18L100 | 18 | 1 | 60,0 | 54,57 | 53,81 | - | 41,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD19L100 | 19 | 1 | 64,0 | 57,61 | 56,84 | - | 41,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD20L100 | 20 | 1 | 66,5 | 60,64 | 59,88 | - | 47,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD21L100 | 21 | 1 | 70,0 | 63,67 | 62,91 | - | 47,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD22L100 | 22 | 1 | 75,0 | 66,70 | 65,94 | - | 50,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD23L100 | 23 | 1 | 79,0 | 69,73 | 68,97 | - | 50,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD24L100 | 24 | 1 | 79,0 | 72,77 | 72,01 | - | 57,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD25L100 | 25 | 1 | 82,5 | 75,80 | 75,04 | - | 58,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD26L100 | 26 | 1 | 86,0 | 78,83 | 78,07 | - | 64,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD27L100 | 27 | 1 | 86,0 | 81,86 | 81,10 | - | 64,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD28L100 | 28 | 1 | 91,0 | 84,89 | 84,13 | - | 70,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD29L100 | 29 | 1 | 93,0 | 87,93 | 87,16 | - | 70,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD30L100 | 30 | 1 | 97,0 | 90,96 | 90,20 | - | 72,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD32L100 | 32 | 1 | 102,0 | 97,02 | 96,26 | - | 75,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD33L100 | 33 | 1 | 106,0 | 100,05 | 99,29 | - | 80,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD34L100 | 34 | 1 | 112,0 | 103,08 | 102,32 | - | 85,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD35L100 | 35 | 1 | 112,0 | 106,12 | 105,35 | - | 88,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD36L100 | 36 | 1 | 115,0 | 109,15 | 108,39 | - | 88,0 | - | 32,0 | 46,0 | 14,0 | | |
| PD40L100 | 40 | 3 | 128,0 | 121,28 | 120,52 | 100,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 | | |
| PD41L100 | 41 | 3 | 128,0 | 124,31 | 123,55 | 103,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 | | |
| PD42L100 | 42 | 3 | 135,0 | 127,34 | 126,58 | 106,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 | | |
| PD44L100 | 44 | 3 | 142,0 | 133,40 | 132,64 | 112,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 | | |
| PD45L100 | 45 | 3 | 142,0 | 136,44 | 135,67 | 115,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 | | |
| PD47L100 | 47 | 3 | 150,0 | 142,50 | 141,74 | 121,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 | | |
| PD48L100 | 48 | 3 | 150,0 | 145,53 | 144,77 | 124,0 | 68,0 | 11,0 | 32,0 | 50,0 | 18,0 | | |
| PD49L100 | 49 | 3A | - | 148,56 | 147,80 | 127,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 | | |
| PD50L100 | 50 | 3A | - | 151,60 | 150,83 | 130,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 | | |
| PD52L100 | 52 | 3A | - | 157,66 | 156,90 | 136,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 | | |
| PD56L100 | 56 | 3A | - | 169,79 | 169,02 | 139,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 | | |
| PD57L100 | 57 | 3A | - | 172,82 | 172,06 | 152,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 | | |
| PD60L100 | 60 | 3A | - | 181,91 | 181,15 | 160,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD65L100 | 65 | 3A | - | 197,07 | 196,31 | 176,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD66L100 | 66 | 3A | - | 200,11 | 199,34 | 179,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD72L100 | 72 | 3A | - | 218,30 | 217,54 | 197,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD84L100 | 84 | 3A | - | 254,68 | 253,92 | 233,0 | 80,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD90L100 | 90 | 3A | - | 272,87 | 272,11 | 252,0 | 80,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD96L100 | 96 | 3A | - | 291,06 | 290,30 | 270,0 | 80,0 | 12,0 | 32,0 | 54,0 | 22,0 | | |
| PD120L100 | 120 | 5B | - | 363,83 | 363,07 | 342,0 | 90,0 | 18,0 | 32,0 | 54,0 | 22,0 | | |



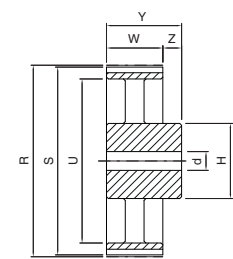
1



3*



3A*



5B

* = A prebore, with a maximum diameter "d", might be present.

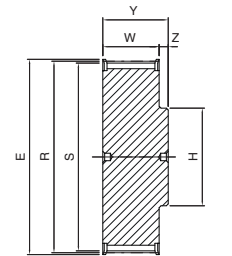
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



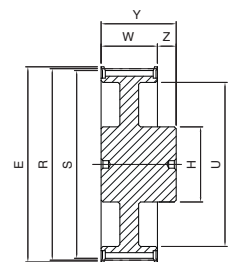
PD ... H 075

H

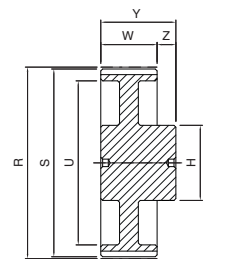
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD14H075 | 14 | 1 | 64,0 | 56,60 | 55,23 | - | 40,0 | - | 25,4 | 38,0 | 12,6 | with flanges | steel |
| PD15H075 | 15 | 1 | 66,5 | 60,64 | 59,27 | - | 45,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD16H075 | 16 | 1 | 70,0 | 64,68 | 63,31 | - | 47,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD17H075 | 17 | 1 | 75,0 | 68,72 | 67,35 | - | 49,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD18H075 | 18 | 1 | 79,0 | 72,77 | 71,40 | - | 57,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD19H075 | 19 | 1 | 82,5 | 76,81 | 75,44 | - | 60,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD20H075 | 20 | 1 | 87,0 | 80,85 | 79,48 | - | 64,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD21H075 | 21 | 1 | 91,0 | 84,89 | 83,52 | - | 64,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD22H075 | 22 | 1 | 94,0 | 88,94 | 87,57 | - | 70,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD23H075 | 23 | 1 | 97,0 | 92,98 | 91,61 | - | 72,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD24H075 | 24 | 1 | 102,0 | 97,02 | 95,65 | - | 80,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD25H075 | 25 | 1 | 106,0 | 101,06 | 99,69 | - | 80,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD26H075 | 26 | 1 | 112,0 | 105,11 | 103,74 | - | 85,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD27H075 | 27 | 1 | 115,0 | 109,15 | 107,78 | - | 88,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD28H075 | 28 | 1 | 120,0 | 113,19 | 111,92 | - | 94,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD29H075 | 29 | 1 | 120,0 | 117,23 | 115,86 | - | 96,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD30H075 | 30 | 1 | 128,0 | 121,28 | 119,91 | - | 104,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD32H075 | 32 | 1 | 135,0 | 129,36 | 127,99 | - | 112,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD33H075 | 33 | 1 | 142,0 | 133,40 | 132,03 | - | 112,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD34H075 | 34 | 1 | 142,0 | 137,45 | 136,08 | - | 116,0 | - | 25,4 | 38,0 | 12,6 | | |
| PD35H075 | 35 | 3 | 150,0 | 141,49 | 140,12 | 118,0 | 68,0 | 11,0 | 25,4 | 48,0 | 22,6 | | |
| PD36H075 | 36 | 3 | 150,0 | 145,53 | 144,16 | 118,0 | 68,0 | 11,0 | 25,4 | 48,0 | 22,6 | | |
| PD38H075 | 38 | 3 | 158,0 | 153,62 | 152,25 | 126,0 | 68,0 | 11,0 | 25,4 | 48,0 | 22,6 | | |
| PD40H075 | 40 | 3 | 168,0 | 161,70 | 160,33 | 134,0 | 68,0 | 11,0 | 25,4 | 48,0 | 22,6 | | |
| PD44H075 | 44 | 3 | 184,0 | 177,87 | 176,50 | 150,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD45H075 | 45 | 3 | 192,0 | 181,91 | 180,54 | 154,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD48H075 | 48 | 3 | 200,0 | 194,04 | 192,67 | 166,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD49H075 | 49 | 3A | - | 198,08 | 196,71 | 170,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD50H075 | 50 | 3A | - | 202,13 | 200,76 | 174,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 | | |
| PD52H075 | 52 | 3A | - | 210,21 | 208,84 | 182,0 | 75,0 | 19,0 | 25,4 | 48,0 | 22,6 | | |
| PD60H075 | 60 | 3A | - | 242,55 | 241,18 | 215,0 | 75,0 | 19,0 | 25,4 | 48,0 | 22,6 | | |
| PD70H075 | 70 | 3A | - | 282,98 | 281,61 | 255,0 | 75,0 | 19,0 | 25,4 | 48,0 | 22,6 | | |
| PD72H075 | 72 | 3A | - | 291,06 | 289,69 | 263,0 | 80,0 | 19,0 | 25,4 | 48,0 | 22,6 | | |
| PD82H075 | 82 | 5A | - | 331,49 | 330,12 | 304,0 | 80,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD84H075 | 84 | 5A | - | 339,57 | 338,20 | 312,0 | 90,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD94H075 | 94 | 5A | - | 380,00 | 378,63 | 352,0 | 90,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD96H075 | 96 | 5A | - | 388,08 | 386,71 | 360,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD106H075 | 106 | 5A | - | 428,51 | 427,14 | 401,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD116H075 | 116 | 5A | - | 468,93 | 467,56 | 441,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD118H075 | 118 | 5A | - | 477,02 | 475,65 | 449,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD120H075 | 120 | 5A | - | 485,10 | 483,73 | 458,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD150H075 | 150 | 5A | - | 606,38 | 605,01 | 579,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD152H075 | 152 | 5A | - | 614,46 | 613,09 | 587,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD154H075 | 154 | 5A | - | 622,55 | 621,17 | 595,0 | 100,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |
| PD156H075 | 156 | 5A | - | 630,63 | 629,26 | 603,0 | 120,0 | 19,0 | 25,4 | 55,0 | 29,6 | | |



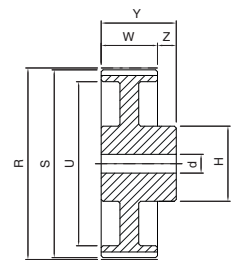
1



3*



3A*



5A

* = A prebore, with a maximum diameter "d", might be present.

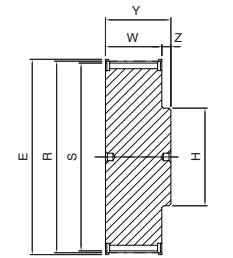
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



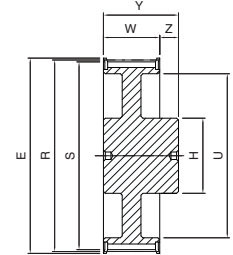
PD ... H 100

H

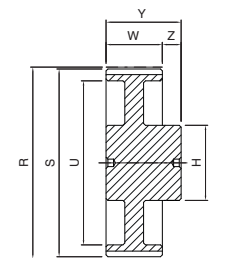
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD14H100 | 14 | 1 | 64,0 | 56,60 | 55,23 | - | 40,0 | - | 33,3 | 44,0 | 10,7 | with flanges | steel |
| PD15H100 | 15 | 1 | 66,5 | 60,64 | 59,27 | - | 45,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD16H100 | 16 | 1 | 70,0 | 64,68 | 63,31 | - | 47,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD17H100 | 17 | 1 | 75,0 | 68,72 | 67,35 | - | 49,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD18H100 | 18 | 1 | 79,0 | 72,77 | 71,40 | - | 57,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD19H100 | 19 | 1 | 82,5 | 76,81 | 75,44 | - | 60,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD20H100 | 20 | 1 | 87,0 | 80,85 | 79,48 | - | 64,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD21H100 | 21 | 1 | 91,0 | 84,89 | 83,52 | - | 64,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD22H100 | 22 | 1 | 94,0 | 88,94 | 87,57 | - | 70,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD23H100 | 23 | 1 | 97,0 | 92,98 | 91,61 | - | 72,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD24H100 | 24 | 1 | 102,0 | 97,02 | 95,65 | - | 80,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD25H100 | 25 | 1 | 106,0 | 101,06 | 99,69 | - | 80,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD26H100 | 26 | 1 | 112,0 | 105,11 | 103,74 | - | 85,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD27H100 | 27 | 1 | 115,0 | 109,15 | 107,78 | - | 88,0 | - | 33,3 | 44,0 | 10,7 | | |
| PD28H100 | 28 | 1 | 120,0 | 113,19 | 111,92 | - | 94,0 | - | 33,3 | 48,0 | 14,7 | | |
| PD29H100 | 29 | 1 | 120,0 | 117,23 | 115,86 | - | 96,0 | - | 33,3 | 48,0 | 14,7 | | |
| PD30H100 | 30 | 1 | 128,0 | 121,28 | 119,91 | - | 104,0 | - | 33,3 | 50,0 | 16,7 | | |
| PD32H100 | 32 | 1 | 135,0 | 129,36 | 127,99 | - | 112,0 | - | 33,3 | 52,0 | 18,7 | | |
| PD33H100 | 33 | 1 | 142,0 | 133,40 | 132,03 | - | 112,0 | - | 33,3 | 52,0 | 18,7 | | |
| PD34H100 | 34 | 1 | 142,0 | 137,45 | 136,08 | - | 116,0 | - | 33,3 | 52,0 | 18,7 | | |
| PD35H100 | 35 | 3 | 150,0 | 141,49 | 140,12 | 118,0 | 75,0 | 12,0 | 33,3 | 52,0 | 18,7 | | |
| PD36H100 | 36 | 3 | 150,0 | 145,53 | 144,16 | 118,0 | 75,0 | 12,0 | 33,3 | 52,0 | 18,7 | | |
| PD38H100 | 38 | 3 | 158,0 | 153,62 | 152,25 | 126,0 | 75,0 | 12,0 | 33,3 | 52,0 | 18,7 | | |
| PD40H100 | 40 | 3 | 168,0 | 161,70 | 160,33 | 134,0 | 75,0 | 12,0 | 33,3 | 54,0 | 20,7 | | |
| PD44H100 | 44 | 3 | 184,0 | 177,87 | 176,50 | 150,0 | 75,0 | 12,0 | 33,3 | 54,0 | 20,7 | | |
| PD45H100 | 45 | 3 | 192,0 | 181,91 | 180,54 | 154,0 | 7,05 | 12,0 | 33,3 | 54,0 | 20,7 | | |
| PD48H100 | 48 | 3 | 200,0 | 194,04 | 192,67 | 166,0 | 75,0 | 12,0 | 33,3 | 60,0 | 26,7 | | |
| PD49H100 | 49 | 3A | - | 198,08 | 196,71 | 170,0 | 75,0 | 12,0 | 33,3 | 60,0 | 26,7 | | |
| PD50H100 | 50 | 3A | - | 202,13 | 200,76 | 174,0 | 75,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD52H100 | 52 | 3A | - | 210,21 | 208,84 | 182,0 | 75,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD60H100 | 60 | 3A | - | 242,55 | 241,18 | 215,0 | 80,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD70H100 | 70 | 3A | - | 282,98 | 281,61 | 255,0 | 80,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD72H100 | 72 | 3A | - | 291,06 | 289,69 | 263,0 | 80,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD82H100 | 82 | 5A | - | 331,49 | 330,12 | 304,0 | 80,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD84H100 | 84 | 5B | - | 339,57 | 338,20 | 312,0 | 90,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD94H100 | 94 | 5B | - | 380,00 | 378,63 | 352,0 | 90,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD96H100 | 96 | 5B | - | 388,08 | 386,71 | 360,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD106H100 | 106 | 5B | - | 428,51 | 427,14 | 401,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD116H100 | 116 | 5B | - | 468,93 | 467,56 | 441,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD118H100 | 118 | 5B | - | 477,02 | 475,65 | 449,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD120H100 | 120 | 5B | - | 485,10 | 483,73 | 458,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD150H100 | 150 | 5B | - | 606,38 | 605,01 | 579,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD152H100 | 152 | 5B | - | 614,46 | 613,09 | 587,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD154H100 | 154 | 5B | - | 622,55 | 621,17 | 595,0 | 100,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |
| PD156H100 | 156 | 5B | - | 630,63 | 629,26 | 603,0 | 120,0 | 18,0 | 33,3 | 60,0 | 26,7 | | |



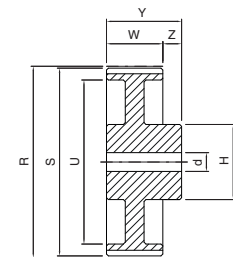
1



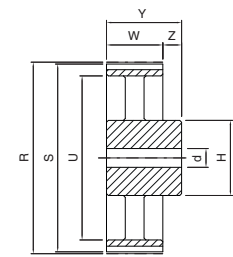
3*



3A*



5A



5B

* = A prebore, with a maximum diameter "d", might be present.

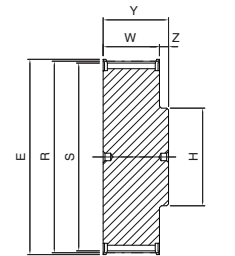
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



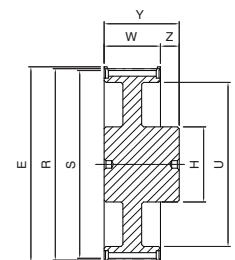
PD ... H 150

H

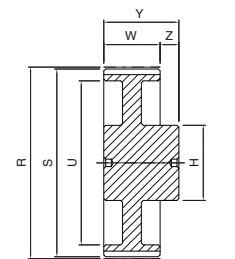
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD14H150 | 14 | 1 | 64,0 | 56,60 | 55,23 | - | 40,0 | - | 46,0 | 58,0 | 12,0 | with flanges | steel |
| PD15H150 | 15 | 1 | 66,5 | 60,64 | 59,27 | - | 45,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD16H150 | 16 | 1 | 70,0 | 64,68 | 63,31 | - | 47,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD17H150 | 17 | 1 | 75,0 | 68,72 | 67,35 | - | 49,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD18H150 | 18 | 1 | 79,0 | 72,77 | 71,40 | - | 57,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD19H150 | 19 | 1 | 82,5 | 76,81 | 75,44 | - | 60,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD20H150 | 20 | 1 | 87,0 | 80,85 | 79,48 | - | 64,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD21H150 | 21 | 1 | 91,0 | 84,89 | 83,52 | - | 64,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD22H150 | 22 | 1 | 94,0 | 88,94 | 87,57 | - | 70,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD23H150 | 23 | 1 | 97,0 | 92,98 | 91,61 | - | 72,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD24H150 | 24 | 1 | 102,0 | 97,02 | 95,65 | - | 80,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD25H150 | 25 | 1 | 106,0 | 101,06 | 99,69 | - | 80,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD26H150 | 26 | 1 | 112,0 | 105,11 | 103,74 | - | 85,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD27H150 | 27 | 1 | 115,0 | 109,15 | 107,78 | - | 88,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD28H150 | 28 | 1 | 120,0 | 113,19 | 111,92 | - | 94,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD29H150 | 29 | 1 | 120,0 | 117,23 | 115,86 | - | 96,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD30H150 | 30 | 1 | 128,0 | 121,28 | 119,91 | - | 104,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD32H150 | 32 | 1 | 135,0 | 129,36 | 127,99 | - | 112,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD33H150 | 33 | 1 | 142,0 | 133,40 | 132,03 | - | 112,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD34H150 | 34 | 1 | 142,0 | 137,45 | 136,08 | - | 116,0 | - | 46,0 | 58,0 | 12,0 | | |
| PD35H150 | 35 | 3 | 150,0 | 141,49 | 140,12 | 118,0 | 75,0 | 12,0 | 46,0 | 58,0 | 12,0 | | |
| PD36H150 | 36 | 3 | 150,0 | 145,53 | 144,16 | 118,0 | 75,0 | 12,0 | 46,0 | 58,0 | 12,0 | | |
| PD38H150 | 38 | 3 | 158,0 | 153,62 | 152,25 | 126,0 | 75,0 | 12,0 | 46,0 | 58,0 | 12,0 | | |
| PD40H150 | 40 | 3 | 168,0 | 161,70 | 160,33 | 134,0 | 75,0 | 12,0 | 46,0 | 70,0 | 24,0 | | |
| PD44H150 | 44 | 3 | 184,0 | 177,87 | 176,50 | 150,0 | 75,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD45H150 | 45 | 3 | 192,0 | 181,91 | 180,54 | 154,0 | 75,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD48H150 | 48 | 3 | 200,0 | 194,04 | 192,67 | 166,0 | 75,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD49H150 | 49 | 3A | - | 198,08 | 196,71 | 170,0 | 75,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD50H150 | 50 | 3A | - | 202,13 | 200,76 | 174,0 | 75,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD52H150 | 52 | 3A | - | 210,21 | 208,84 | 182,0 | 75,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD58H150 | 58 | 3A | - | 234,47 | 233,10 | 207,0 | 80,0 | - | 46,0 | 70,0 | 24,0 | | |
| PD60H150 | 60 | 3A | - | 242,55 | 241,18 | 215,0 | 80,0 | 18,0 | 46,0 | 70,0 | 24,0 | | |
| PD70H150 | 70 | 3A | - | 282,98 | 281,61 | 255,0 | 80,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD72H150 | 72 | 3A | - | 291,06 | 289,69 | 263,0 | 80,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD82H150 | 82 | 5B | - | 331,49 | 330,12 | 304,0 | 80,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD84H150 | 84 | 5B | - | 339,57 | 338,20 | 312,0 | 90,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD94H150 | 94 | 5B | - | 380,00 | 378,63 | 352,0 | 90,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD96H150 | 96 | 5B | - | 388,08 | 386,71 | 360,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD106H150 | 106 | 5B | - | 428,51 | 427,14 | 401,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD116H150 | 116 | 5B | - | 468,93 | 467,56 | 441,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD118H150 | 118 | 5B | - | 477,02 | 475,65 | 449,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD120H150 | 120 | 5B | - | 485,10 | 483,73 | 458,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD150H150 | 150 | 5B | - | 606,38 | 605,01 | 579,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD152H150 | 152 | 5B | - | 614,46 | 613,09 | 587,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD154H150 | 154 | 5B | - | 622,55 | 621,17 | 595,0 | 100,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |
| PD156H150 | 156 | 5B | - | 630,63 | 629,26 | 603,0 | 120,0 | 24,0 | 46,0 | 70,0 | 24,0 | | |



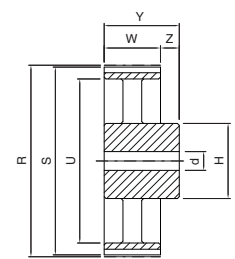
1



3*



3A*



5B

* = A prebore, with a maximum diameter "d", might be present.

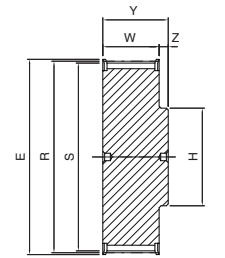
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



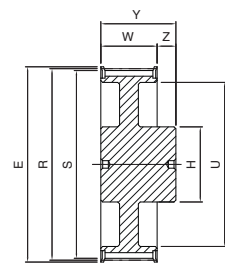
PD ... H 200

H

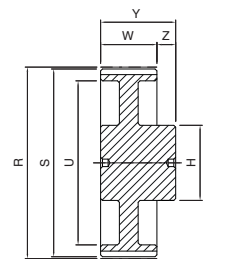
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD14H200 | 14 | 1 | 64,0 | 56,60 | 55,23 | - | 40,0 | - | 59,5 | 72,0 | 12,5 | with flanges | steel |
| PD15H200 | 15 | 1 | 66,5 | 60,64 | 59,27 | - | 45,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD16H200 | 16 | 1 | 70,0 | 64,68 | 63,31 | - | 47,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD17H200 | 17 | 1 | 75,0 | 68,72 | 67,35 | - | 49,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD18H200 | 18 | 1 | 79,0 | 72,77 | 71,40 | - | 57,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD19H200 | 19 | 1 | 82,5 | 76,81 | 75,44 | - | 60,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD20H200 | 20 | 1 | 87,0 | 80,85 | 79,48 | - | 64,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD21H200 | 21 | 1 | 91,0 | 84,89 | 83,52 | - | 64,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD22H200 | 22 | 1 | 94,0 | 88,94 | 87,57 | - | 70,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD23H200 | 23 | 1 | 97,0 | 92,98 | 91,61 | - | 72,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD24H200 | 24 | 1 | 102,0 | 97,02 | 95,65 | - | 80,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD25H200 | 25 | 1 | 106,0 | 101,06 | 99,69 | - | 80,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD26H200 | 26 | 1 | 112,0 | 105,11 | 103,74 | - | 85,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD27H200 | 27 | 1 | 115,0 | 109,15 | 107,78 | - | 88,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD28H200 | 28 | 1 | 120,0 | 113,19 | 111,92 | - | 94,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD29H200 | 29 | 1 | 120,0 | 117,23 | 115,86 | - | 96,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD30H200 | 30 | 1 | 128,0 | 121,28 | 119,91 | - | 104,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD32H200 | 32 | 1 | 135,0 | 129,36 | 127,99 | - | 112,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD33H200 | 33 | 1 | 142,0 | 133,40 | 132,03 | - | 112,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD34H200 | 34 | 1 | 142,0 | 137,45 | 136,08 | - | 116,0 | - | 59,5 | 72,0 | 12,5 | | |
| PD35H200 | 35 | 3 | 150,0 | 141,49 | 140,12 | 118,0 | 80,0 | 12,0 | 59,5 | 72,0 | 12,5 | | |
| PD36H200 | 36 | 3 | 150,0 | 145,53 | 144,16 | 118,0 | 80,0 | 12,0 | 59,5 | 72,0 | 12,5 | | |
| PD38H200 | 38 | 3 | 158,0 | 153,62 | 152,25 | 126,0 | 80,0 | 12,0 | 59,5 | 72,0 | 12,5 | | |
| PD40H200 | 40 | 3 | 168,0 | 161,70 | 160,33 | 134,0 | 80,0 | 12,0 | 59,5 | 72,0 | 12,5 | | |
| PD44H200 | 44 | 3 | 184,0 | 177,87 | 176,50 | 150,0 | 80,0 | 18,0 | 59,5 | 72,0 | 12,5 | | |
| PD45H200 | 45 | 3 | 192,0 | 181,91 | 180,54 | 154,0 | 80,0 | 18,0 | 59,5 | 72,0 | 12,5 | | |
| PD48H200 | 48 | 3 | 200,0 | 194,04 | 192,67 | 166,0 | 80,0 | 24,0 | 59,5 | 80,0 | 20,5 | | |
| PD49H200 | 49 | 3A | - | 198,08 | 196,71 | 170,0 | 80,0 | 24,0 | 59,5 | 80,0 | 20,5 | | |
| PD50H200 | 50 | 3A | - | 202,13 | 200,76 | 174,0 | 80,0 | 24,0 | 59,5 | 80,0 | 20,5 | | |
| PD52H200 | 52 | 3A | - | 210,21 | 208,84 | 182,0 | 80,0 | 24,0 | 59,5 | 80,0 | 20,5 | | |
| PD58H200 | 58 | 3A | - | 234,47 | 233,10 | 207,0 | 90,0 | - | 59,5 | 80,0 | 20,5 | | |
| PD60H200 | 60 | 3A | - | 242,55 | 241,18 | 215,0 | 90,0 | 24,0 | 59,5 | 80,0 | 20,5 | | |
| PD70H200 | 70 | 3A | - | 282,98 | 281,61 | 255,0 | 90,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD72H200 | 72 | 3A | - | 291,06 | 289,69 | 263,0 | 90,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD82H200 | 82 | 5B | - | 331,49 | 330,12 | 304,0 | 90,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD84H200 | 84 | 5B | - | 339,57 | 338,20 | 312,0 | 100,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD94H200 | 94 | 5B | - | 380,00 | 378,63 | 352,0 | 100,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD96H200 | 96 | 5B | - | 388,08 | 386,71 | 360,0 | 100,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD106H200 | 106 | 5B | - | 428,51 | 427,14 | 401,0 | 100,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD116H200 | 116 | 5B | - | 468,93 | 467,56 | 441,0 | 100,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD118H200 | 118 | 5B | - | 477,02 | 475,65 | 449,0 | 100,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD120H200 | 120 | 5B | - | 485,10 | 483,73 | 458,0 | 120,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD150H200 | 150 | 5B | - | 606,38 | 605,01 | 579,0 | 120,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD152H200 | 152 | 5B | - | 614,46 | 613,09 | 587,0 | 120,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD154H200 | 154 | 5B | - | 622,55 | 621,17 | 595,0 | 120,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |
| PD156H200 | 156 | 5B | - | 630,63 | 629,26 | 603,0 | 130,0 | 28,0 | 59,5 | 80,0 | 20,5 | | |



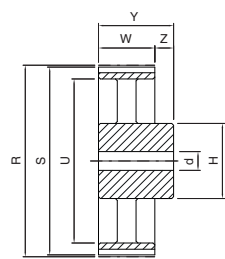
1



3*



3A*



5B

* = A prebore, with a maximum diameter "d", might be present.

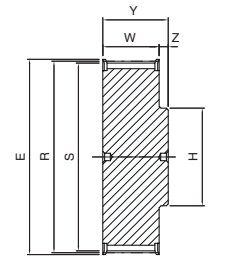
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



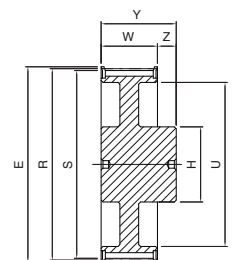
PD ... H 300

H

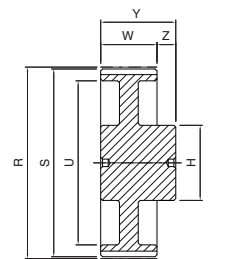
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PD14H300 | 14 | 1 | 64,0 | 56,60 | 55,23 | - | 40,0 | - | 85,7 | 98,0 | 12,3 | with flanges | steel |
| PD15H300 | 15 | 1 | 66,0 | 60,64 | 59,27 | - | 45,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD16H300 | 16 | 1 | 70,0 | 64,68 | 63,31 | - | 47,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD17H300 | 17 | 1 | 75,0 | 68,72 | 67,35 | - | 49,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD18H300 | 18 | 1 | 79,0 | 72,77 | 71,40 | - | 57,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD19H300 | 19 | 1 | 83,0 | 76,81 | 75,44 | - | 60,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD20H300 | 20 | 1 | 87,0 | 80,85 | 79,48 | - | 64,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD21H300 | 21 | 1 | 91,0 | 84,89 | 83,52 | - | 64,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD22H300 | 22 | 1 | 93,0 | 88,94 | 87,57 | - | 70,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD23H300 | 23 | 1 | 97,0 | 92,98 | 91,61 | - | 72,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD24H300 | 24 | 1 | 102,0 | 97,02 | 95,65 | - | 80,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD25H300 | 25 | 1 | 106,0 | 101,06 | 99,69 | - | 80,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD26H300 | 26 | 1 | 112,0 | 105,11 | 103,74 | - | 85,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD27H300 | 27 | 1 | 115,0 | 109,15 | 107,78 | - | 88,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD28H300 | 28 | 1 | 120,0 | 113,19 | 111,92 | - | 94,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD29H300 | 29 | 1 | 120,0 | 117,23 | 115,86 | - | 96,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD30H300 | 30 | 1 | 128,0 | 121,28 | 119,91 | - | 104,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD32H300 | 32 | 1 | 135,0 | 129,36 | 127,99 | - | 112,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD33H300 | 33 | 1 | 142,0 | 133,40 | 132,03 | - | 112,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD34H300 | 34 | 1 | 142,0 | 137,45 | 136,08 | - | 116,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD35H300 | 35 | 3 | 150,0 | 141,49 | 140,12 | 118,0 | 75,0 | 18,0 | 85,7 | 98,0 | 12,3 | | |
| PD36H300 | 36 | 3 | 150,0 | 145,53 | 144,16 | 118,0 | 80,0 | 18,0 | 85,7 | 98,0 | 12,3 | | |
| PD38H300 | 38 | 3 | 158,0 | 153,62 | 152,25 | 126,0 | 80,0 | 18,0 | 85,7 | 98,0 | 12,3 | | |
| PD44H300 | 44 | 3 | 184,0 | 177,87 | 176,50 | 150,0 | 80,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD45H300 | 45 | 3 | 192,0 | 181,91 | 180,54 | 154,0 | 80,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD48H300 | 48 | 3 | 200,0 | 194,04 | 192,67 | 166,0 | 90,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD49H300 | 49 | 3A | - | 198,08 | 196,71 | 170,0 | 90,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD50H300 | 50 | 3A | - | 202,13 | 200,76 | 174,0 | 90,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD52H300 | 52 | 3A | - | 210,21 | 208,84 | 182,0 | 90,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD58H300 | 58 | 3A | - | 234,47 | 233,10 | 207,0 | 100,0 | - | 85,7 | 98,0 | 12,3 | | |
| PD60H300 | 60 | 3A | - | 242,55 | 241,18 | 215,0 | 100,0 | 24,0 | 85,7 | 98,0 | 12,3 | | |
| PD70H300 | 70 | 3A | - | 282,98 | 281,61 | 255,0 | 100,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD72H300 | 72 | 3A | - | 291,06 | 289,69 | 263,0 | 100,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD82H300 | 82 | 5B | - | 331,49 | 330,12 | 304,0 | 100,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD84H300 | 84 | 5B | - | 339,57 | 338,20 | 312,0 | 100,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD94H300 | 94 | 5B | - | 380,00 | 378,63 | 352,0 | 100,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD96H300 | 96 | 5B | - | 388,08 | 386,71 | 360,0 | 110,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD106H300 | 106 | 5B | - | 428,51 | 427,14 | 401,0 | 110,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD116H300 | 116 | 5B | - | 468,93 | 467,56 | 441,0 | 110,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD118H300 | 118 | 5B | - | 477,02 | 475,65 | 449,0 | 110,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD120H300 | 120 | 5B | - | 485,10 | 483,73 | 458,0 | 120,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD150H300 | 150 | 5B | - | 606,38 | 605,01 | 579,0 | 120,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD152H300 | 152 | 5B | - | 614,46 | 613,09 | 587,0 | 120,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD154H300 | 154 | 5B | - | 622,55 | 621,17 | 595,0 | 120,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |
| PD156H300 | 156 | 5B | - | 630,63 | 629,26 | 603,0 | 130,0 | 28,0 | 85,7 | 98,0 | 12,3 | | |



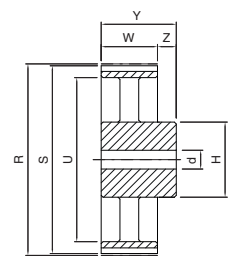
1



3*



3A*



5B

with flanges

without flanges

cast iron

* = A prebore, with a maximum diameter "d", might be present.

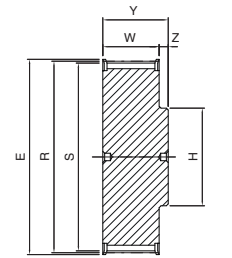
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



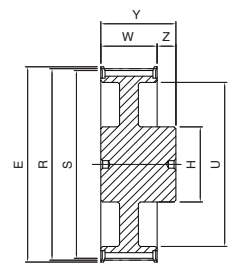
PD ... XH 200

XH

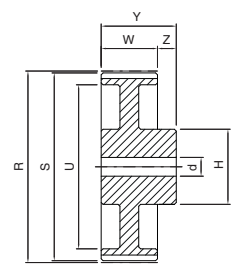
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| PD18XH200 | 18 | 1 | 134,0 | 127,34 | 124,55 | - | 100,0 | - | 65,0 | 80,0 | 15,0 | with flanges | cast iron |
| PD19XH200 | 19 | 1 | 142,0 | 134,41 | 131,62 | - | 107,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD20XH200 | 20 | 1 | 150,0 | 141,49 | 138,70 | - | 114,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD21XH200 | 21 | 1 | 158,0 | 148,56 | 145,77 | - | 122,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD22XH200 | 22 | 1 | 166,0 | 155,64 | 152,85 | - | 128,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD24XH200 | 24 | 1 | 177,0 | 169,79 | 167,00 | - | 141,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD25XH200 | 25 | 3 | 186,0 | 176,86 | 174,07 | - | 90,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD26XH200 | 26 | 3 | 191,0 | 183,94 | 181,15 | - | 90,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD27XH200 | 27 | 1 | 200,0 | 191,01 | 188,22 | - | 158,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD28XH200 | 28 | 1 | 209,0 | 198,08 | 195,29 | - | 169,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD30XH200 | 30 | 3 | 216,0 | 212,23 | 209,44 | 170,0 | 110,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD32XH200 | 32 | 3 | 232,0 | 226,38 | 223,59 | 184,0 | 110,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD34XH200 | 34 | 3 | 261,0 | 240,53 | 237,74 | 198,0 | 110,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD38XH200 | 38 | 3 | 274,0 | 268,83 | 266,03 | 227,0 | 110,0 | - | 65,0 | 80,0 | 15,0 | | |
| PD40XH200 | 40 | 3 | 288,0 | 282,98 | 280,19 | 241,0 | 120,0 | - | 65,0 | 100,0 | 35,0 | | |
| PD46XH200 | 46 | 5 | - | 325,42 | 322,63 | 283,0 | 120,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD48XH200 | 48 | 5A | - | 339,57 | 336,78 | 297,0 | 120,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD58XH200 | 58 | 5A | - | 410,32 | 407,52 | 368,0 | 120,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD60XH200 | 60 | 5A | - | 424,47 | 421,68 | 382,0 | 130,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD70XH200 | 70 | 5B | - | 495,21 | 492,42 | 453,0 | 130,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD72XH200 | 72 | 5B | - | 509,36 | 506,57 | 467,0 | 140,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD78XH200 | 78 | 5B | - | 551,80 | 549,01 | 510,0 | 140,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD80XH200 | 80 | 5B | - | 565,95 | 563,16 | 524,0 | 140,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD82XH200 | 82 | 5B | - | 580,10 | 577,31 | 538,0 | 140,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD84XH200 | 84 | 5B | - | 594,25 | 591,46 | 552,0 | 150,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD94XH200 | 94 | 5B | - | 664,99 | 662,20 | 623,0 | 150,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD96XH200 | 96 | 5B | - | 679,14 | 676,35 | 637,0 | 160,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD118XH200 | 118 | 5B | - | 834,78 | 831,99 | 792,0 | 160,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |
| PD120XH200 | 120 | 5B | - | 848,93 | 846,14 | 806,0 | 170,0 | 19,0 | 65,0 | 100,0 | 35,0 | | |



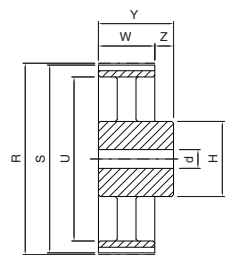
1



3



5A



5B

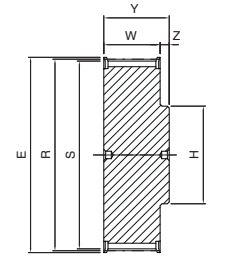
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



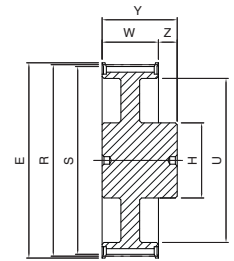
PD ... XH 300

XH

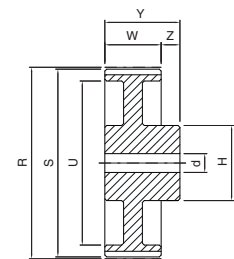
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| PD18XH300 | 18 | 1 | 134,0 | 127,34 | 124,55 | - | 100,0 | - | 92,0 | 107,0 | 15,0 | with flanges | cast iron |
| PD19XH300 | 19 | 1 | 142,0 | 134,41 | 131,62 | - | 107,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD20XH300 | 20 | 1 | 150,0 | 141,49 | 138,70 | - | 114,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD21XH300 | 21 | 1 | 158,0 | 148,56 | 145,77 | - | 122,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD22XH300 | 22 | 1 | 166,0 | 155,64 | 152,85 | - | 128,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD24XH300 | 24 | 1 | 177,0 | 169,79 | 167,00 | - | 141,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD25XH300 | 25 | 1 | 186,0 | 176,86 | 174,07 | - | 148,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD26XH300 | 26 | 1 | 191,0 | 183,94 | 181,15 | - | 157,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD27XH300 | 27 | 1 | 200,0 | 191,01 | 188,22 | - | 158,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD28XH300 | 28 | 1 | 209,0 | 198,08 | 195,29 | - | 169,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD30XH300 | 30 | 3 | 216,0 | 212,23 | 209,44 | 170,0 | 110,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD32XH300 | 32 | 3 | 232,0 | 226,38 | 223,59 | 184,0 | 110,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD34XH300 | 34 | 3 | 261,0 | 240,53 | 237,74 | 198,0 | 110,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD38XH300 | 38 | 3 | 274,0 | 268,83 | 266,03 | 227,0 | 110,0 | - | 92,0 | 107,0 | 15,0 | | |
| PD40XH300 | 40 | 3 | 288,0 | 282,98 | 280,19 | 241,0 | 120,0 | - | 92,0 | 100,0 | 8,0 | | |
| PD46XH300 | 46 | 5A | - | 325,42 | 322,63 | 283,0 | 120,0 | 19,0 | 92,0 | 100,0 | 8,0 | | |
| PD48XH300 | 48 | 5A | - | 339,57 | 336,78 | 297,0 | 120,0 | 19,0 | 92,0 | 100,0 | 8,0 | | |
| PD58XH300 | 58 | 5A | - | 410,32 | 407,52 | 368,0 | 120,0 | 19,0 | 92,0 | 100,0 | 8,0 | | |
| PD60XH300 | 60 | 5A | - | 424,47 | 421,68 | 382,0 | 120,0 | 19,0 | 92,0 | 100,0 | 8,0 | | |
| PD70XH300 | 70 | 5B | - | 495,21 | 492,42 | 453,0 | 130,0 | 19,0 | 92,0 | 100,0 | 8,0 | | |
| PD72XH300 | 72 | 5B | - | 509,36 | 506,57 | 467,0 | 140,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD78XH300 | 78 | 5B | - | 551,80 | 549,01 | 510,0 | 140,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD80XH300 | 80 | 5B | - | 565,95 | 563,16 | 524,0 | 140,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD82XH300 | 82 | 5B | - | 580,10 | 577,31 | 538,0 | 140,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD84XH300 | 84 | 5B | - | 594,25 | 591,46 | 552,0 | 160,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD94XH300 | 94 | 5B | - | 664,99 | 662,20 | 623,0 | 160,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD96XH300 | 96 | 5B | - | 679,14 | 676,35 | 637,0 | 160,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD118XH300 | 118 | 5B | - | 834,78 | 831,99 | 792,0 | 160,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |
| PD120XH300 | 120 | 5B | - | 848,93 | 846,14 | 806,0 | 170,0 | 19,0 | 92,0 | 120,0 | 28,0 | | |



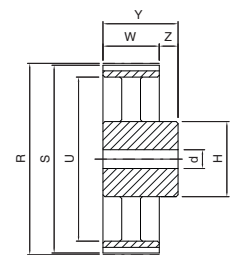
1



3



5A



5B

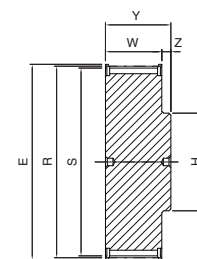
Dimensions of timing pulleys IMPERIAL PITCH - solid hub



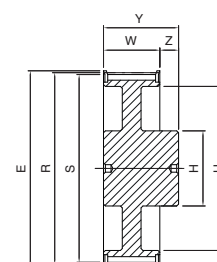
PD ... XH400

XH

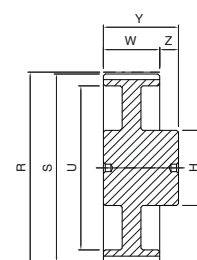
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| PD18XH400 | 18 | 1 | 134,0 | 127,34 | 124,55 | - | 100,0 | - | 119,0 | 135,0 | 16,0 | with flanges | cast iron |
| PD19XH400 | 19 | 1 | 142,0 | 134,41 | 131,62 | - | 107,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD20XH400 | 20 | 1 | 150,0 | 141,49 | 138,70 | - | 114,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD21XH400 | 21 | 1 | 158,0 | 148,56 | 145,77 | - | 122,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD22XH400 | 22 | 1 | 166,0 | 155,64 | 152,85 | - | 128,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD24XH400 | 24 | 1 | 177,0 | 169,79 | 167,00 | - | 141,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD25XH400 | 25 | 1 | 186,0 | 176,86 | 174,07 | - | 148,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD26XH400 | 26 | 1 | 191,0 | 183,94 | 181,15 | - | 157,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD27XH400 | 27 | 1 | 200,0 | 191,01 | 188,22 | - | 158,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD28XH400 | 28 | 1 | 209,0 | 198,08 | 195,29 | - | 169,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD30XH400 | 30 | 3 | 216,0 | 212,23 | 209,44 | 170,0 | 120,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD32XH400 | 32 | 3 | 232,0 | 226,38 | 223,59 | 184,0 | 120,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD34XH400 | 34 | 3 | 261,0 | 240,53 | 237,74 | 198,0 | 120,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD38XH400 | 38 | 3 | 274,0 | 268,83 | 266,03 | 227,0 | 120,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD40XH400 | 40 | 3 | 288,0 | 282,98 | 280,19 | 241,0 | 120,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD46XH400 | 46 | 3A | - | 325,42 | 322,63 | 283,0 | 140,0 | - | 119,0 | 135,0 | 16,0 | | |
| PD48XH400 | 48 | 5A | - | 339,57 | 336,78 | 297,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD58XH400 | 58 | 5A | - | 410,32 | 407,52 | 368,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD60XH400 | 60 | 5A | - | 424,47 | 421,68 | 382,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD70XH400 | 70 | 5B | - | 495,21 | 492,42 | 453,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD72XH400 | 72 | 5B | - | 509,36 | 506,57 | 467,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD78XH400 | 78 | 5B | - | 551,80 | 549,01 | 510,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD80XH400 | 80 | 5B | - | 565,95 | 563,16 | 524,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD82XH400 | 82 | 5B | - | 580,10 | 577,31 | 538,0 | 140,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD84XH400 | 84 | 5B | - | 594,25 | 591,46 | 552,0 | 160,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD94XH400 | 94 | 5B | - | 664,99 | 662,20 | 623,0 | 160,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD96XH400 | 96 | 5B | - | 679,14 | 676,35 | 637,0 | 160,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD118XH400 | 118 | 5B | - | 834,78 | 831,99 | 792,0 | 160,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |
| PD120XH400 | 120 | 5B | - | 848,93 | 846,14 | 806,0 | 170,0 | 19,0 | 119,0 | 135,0 | 16,0 | | |



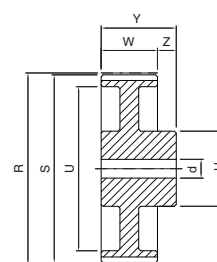
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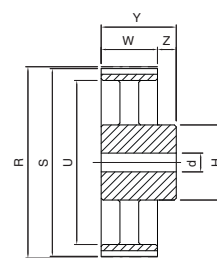
3



3A



5A



5B

Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®

Pitches L - H - XH

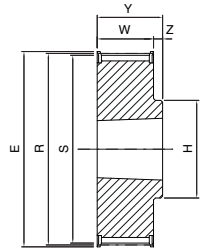


| | |
|---|---------------------|
| Part Number | PBD 40 L 050 |
| IMPERIAL PITCH timing pulley - mounting taper bushing | |
| Number of teeth | |
| Pitch | |
| Belt width in inches x 100 | |

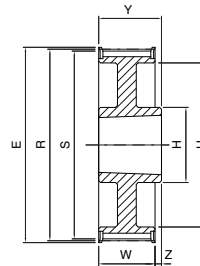
PBD ... L050

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PBD18L050 | 18 | 2 | 1108 | 60,0 | 54,57 | 53,81 | - | 47,0 | 19,0 | 22,0 | 3,0 | with flanges | steel |
| PBD19L050 | 19 | 2 | 1108 | 64,0 | 57,61 | 56,84 | - | 47,0 | 19,0 | 22,0 | 3,0 | | |
| PBD20L050 | 20 | 2 | 1108 | 66,5 | 60,64 | 59,88 | - | 48,0 | 19,0 | 22,0 | 3,0 | | |
| PBD21L050 | 21 | 2 | 1108 | 70,0 | 63,67 | 62,91 | - | 48,0 | 19,0 | 22,0 | 3,0 | | |
| PBD22L050 | 22 | 2 | 1108 | 75,0 | 68,70 | 65,94 | - | 51,0 | 19,0 | 22,0 | 3,0 | | |
| PBD23L050 | 23 | 2 | 1108 | 79,0 | 69,73 | 68,97 | - | 51,0 | 19,0 | 22,0 | 3,0 | | |
| PBD24L050 | 24 | 2 | 1108 | 79,0 | 72,77 | 72,01 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD25L050 | 25 | 2 | 1108 | 82,5 | 75,80 | 75,04 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD26L050 | 26 | 2 | 1108 | 86,0 | 78,83 | 78,07 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD27L050 | 27 | 2 | 1108 | 86,0 | 81,86 | 81,10 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD28L050 | 28 | 2 | 1108 | 91,0 | 84,89 | 84,13 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD29L050 | 29 | 2 | 1108 | 94,0 | 87,93 | 87,16 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD30L050 | 30 | 2 | 1108 | 97,0 | 90,96 | 90,20 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD32L050 | 32 | 2 | 1108 | 102,0 | 97,02 | 96,26 | - | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD36L050 | 36 | 9 | 1108 | 115,0 | 109,15 | 108,39 | 84,0 | 58,0 | 19,0 | 22,0 | 3,0 | | |
| PBD40L050 | 40 | 2 | 1610 | 128,0 | 121,28 | 120,52 | - | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD44L050 | 44 | 9 | 1610 | 142,0 | 133,40 | 132,64 | 110,0 | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD45L050 | 45 | 9 | 1610 | 142,0 | 136,44 | 135,67 | 118,0 | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD47L050 | 47 | 9 | 1610 | 150,0 | 142,50 | 141,74 | 126,0 | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD48L050 | 48 | 9 | 1610 | 150,0 | 145,53 | 144,77 | 126,0 | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD50L050 | 50 | 9A | 1610 | - | 151,60 | 150,83 | 132,0 | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD56L050 | 56 | 9A | 1610 | - | 169,79 | 169,02 | 152,0 | 90,0 | 19,0 | 25,0 | 6,0 | | |
| PBD60L050 | 60 | 11A | 1610 | - | 181,91 | 181,15 | 162,0 | 90,0 | 19,0 | 25,0 | 3,0 | | |
| PBD66L050 | 66 | 11B | 1610 | - | 200,11 | 199,34 | 178,0 | 90,0 | 19,0 | 25,0 | 3,0 | | |
| PBD72L050 | 72 | 11B | 1610 | - | 218,30 | 217,54 | 199,0 | 90,0 | 19,0 | 25,0 | 3,0 | | |
| PBD84L050 | 84 | 11B | 1610 | - | 254,68 | 253,92 | 235,0 | 90,0 | 19,0 | 25,0 | 3,0 | | |
| PBD96L050 | 96 | 11B | 2012 | - | 291,06 | 290,30 | 270,0 | 110,0 | 19,0 | 32,0 | 6,5 | | |
| PBD120L050 | 120 | 11B | 2012 | - | 363,07 | 344,00 | 344,0 | 110,0 | 19,0 | 32,0 | 6,5 | | |

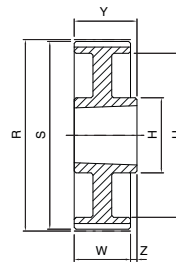
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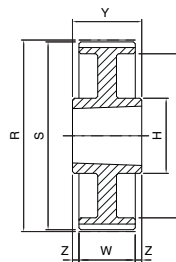
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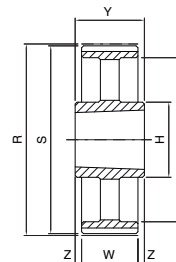
9



9A



11A



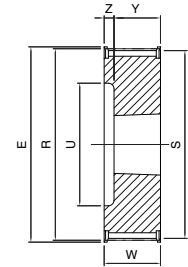
11B

Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®

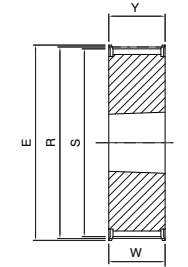


PBD ... L075

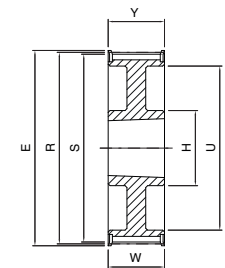
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PBD18L075 | 18 | 4 | 1108 | 60,0 | 54,57 | 53,81 | 38,0 | - | 25,0 | 22,0 | 3,0 | with flanges | steel |
| PBD19L075 | 19 | 4 | 1108 | 64,0 | 57,61 | 56,84 | 38,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD20L075 | 20 | 4 | 1108 | 66,5 | 60,64 | 59,88 | 46,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD21L075 | 21 | 4 | 1108 | 70,0 | 63,67 | 62,91 | 46,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD22L075 | 22 | 4 | 1108 | 75,0 | 68,70 | 65,94 | 46,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD23L075 | 23 | 4 | 1108 | 79,0 | 69,73 | 68,97 | 46,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD24L075 | 24 | 4 | 1108 | 79,0 | 72,77 | 72,01 | 53,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD25L075 | 25 | 4 | 1108 | 82,5 | 75,80 | 75,04 | 53,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD26L075 | 26 | 4 | 1108 | 86,0 | 78,83 | 78,07 | 60,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD27L075 | 27 | 4 | 1108 | 86,0 | 81,86 | 81,10 | 60,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD28L075 | 28 | 4 | 1108 | 91,0 | 84,89 | 84,13 | 65,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD30L075 | 30 | 4 | 1108 | 97,0 | 90,96 | 90,20 | 68,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD32L075 | 32 | 4 | 1108 | 102,0 | 97,02 | 96,26 | 76,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD34L075 | 34 | 4 | 1108 | 112,0 | 103,08 | 102,32 | 85,0 | - | 25,0 | 22,0 | 3,0 | | |
| PBD36L075 | 36 | 6 | 1610 | 115,0 | 109,15 | 108,39 | - | - | 25,0 | 25,0 | - | | |
| PBD40L075 | 40 | 6 | 1610 | 128,0 | 121,28 | 120,52 | - | - | 25,0 | 25,0 | - | | |
| PBD44L075 | 44 | 7 | 1610 | 142,0 | 133,40 | 132,64 | 110,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD47L075 | 47 | 7 | 1610 | 150,0 | 142,50 | 141,74 | 126,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD48L075 | 48 | 7 | 1610 | 150,0 | 145,53 | 144,77 | 126,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD52L075 | 52 | 7A | 1610 | - | 157,66 | 156,90 | 138,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD57L075 | 57 | 7A | 1610 | - | 172,82 | 172,06 | 152,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD60L075 | 60 | 7A | 1610 | - | 181,91 | 181,15 | 162,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD66L075 | 66 | 7A | 1610 | - | 200,11 | 199,34 | 178,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD72L075 | 72 | 7B | 1610 | - | 218,30 | 217,54 | 199,0 | 90,0 | 25,0 | 25,0 | - | | |
| PBD84L075 | 84 | 11B | 2012 | - | 254,68 | 253,92 | 235,0 | 110,0 | 25,0 | 32,0 | 3,5 | | |
| PBD96L075 | 96 | 11B | 2012 | - | 291,06 | 290,30 | 270,0 | 110,0 | 25,0 | 32,0 | 3,5 | | |
| PBD120L075 | 120 | 11B | 2012 | - | 363,83 | 363,07 | 344,0 | 110,0 | 25,0 | 32,0 | 3,5 | | |



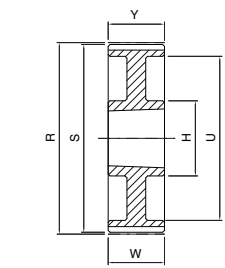
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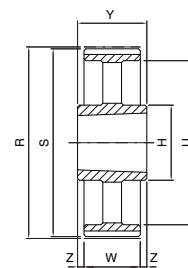
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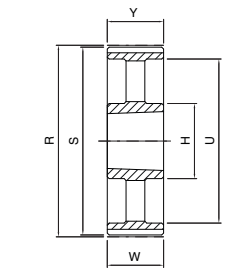
7



7A



11B



7B

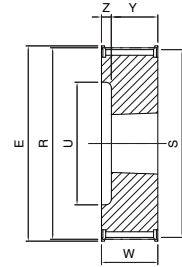
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



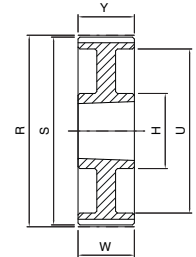
PBD ... L100

L

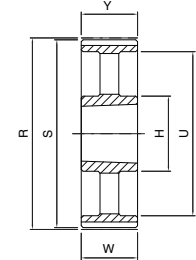
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| PBD18L100 | 18 | 4 | 1108 | 60,0 | 54,57 | 53,81 | 38,0 | - | 32,0 | 22,0 | 10,0 | with flanges | steel |
| PBD19L100 | 19 | 4 | 1108 | 64,0 | 57,61 | 56,84 | 38,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD20L100 | 20 | 4 | 1108 | 66,5 | 60,64 | 59,88 | 46,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD21L100 | 21 | 4 | 1108 | 70,0 | 63,67 | 62,91 | 46,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD22L100 | 22 | 4 | 1108 | 75,0 | 68,70 | 65,94 | 46,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD23L100 | 23 | 4 | 1108 | 79,0 | 69,73 | 68,97 | 46,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD24L100 | 24 | 4 | 1108 | 79,0 | 72,77 | 72,01 | 53,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD25L100 | 25 | 4 | 1108 | 82,5 | 75,80 | 75,04 | 53,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD26L100 | 26 | 4 | 1108 | 86,0 | 78,83 | 78,07 | 60,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD27L100 | 27 | 4 | 1108 | 86,0 | 81,86 | 81,10 | 60,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD28L100 | 28 | 4 | 1108 | 91,0 | 84,89 | 84,13 | 65,0 | - | 32,0 | 22,0 | 10,0 | | |
| PBD30L100 | 30 | 4 | 1210 | 97,0 | 90,96 | 90,20 | 68,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD32L100 | 32 | 4 | 1210 | 102,0 | 97,02 | 96,26 | 76,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD36L100 | 36 | 4 | 1610 | 115,0 | 109,15 | 108,39 | 85,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD40L100 | 40 | 4 | 1610 | 128,0 | 121,28 | 120,52 | 100,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD41L100 | 41 | 4 | 1610 | 128,0 | 124,31 | 123,55 | 100,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD42L100 | 42 | 10 | 1610 | 142,0 | 127,34 | 126,58 | 110,0 | 90,0 | 32,0 | 25,0 | 7,0 | | |
| PBD44L100 | 44 | 10 | 1610 | 142,0 | 133,40 | 132,64 | 110,0 | 90,0 | 32,0 | 25,0 | 7,0 | | |
| PBD48L100 | 48 | 10 | 1610 | 150,0 | 145,53 | 144,77 | 126,0 | 90,0 | 32,0 | 25,0 | 7,0 | | |
| PBD60L100 | 60 | 8A | 1610 | - | 181,91 | 181,15 | 162,0 | 90,0 | 32,0 | 25,0 | 3,5 | without flanges | cast iron |
| PBD72L100 | 72 | 7A | 2012 | - | 218,30 | 217,54 | 199,0 | 110,0 | 32,0 | 32,0 | - | | |
| PBD84L100 | 84 | 7B | 2012 | - | 254,68 | 253,92 | 235,0 | 110,0 | 32,0 | 32,0 | - | | |
| PBD96L100 | 96 | 7B | 2012 | - | 291,06 | 290,30 | 270,0 | 110,0 | 32,0 | 32,0 | - | | |
| PBD120L100 | 120 | 7B | 2012 | - | 363,83 | 363,07 | 344,0 | 110,0 | 32,0 | 32,0 | - | | |



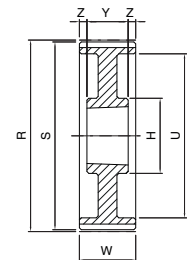
4



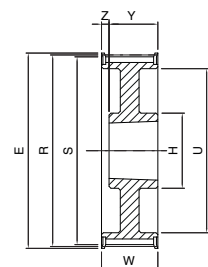
7A



7B



8A



10

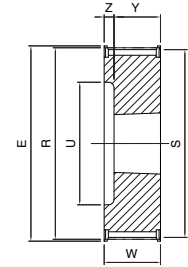
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



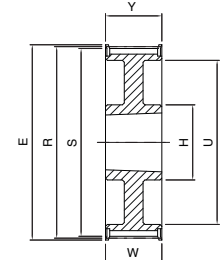
PBD ... H100

H

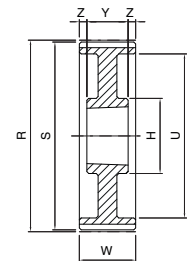
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| PBD14H100 | 14 | 4 | 1108 | 64,0 | 56,60 | 55,23 | 37,0 | - | 31,0 | 22,0 | 9,0 | with flanges | steel |
| PBD15H100 | 15 | 4 | 1108 | 66,5 | 60,64 | 59,27 | 37,0 | - | 31,0 | 22,0 | 9,0 | | |
| PBD16H100 | 16 | 4 | 1108 | 70,0 | 64,68 | 63,31 | 46,0 | - | 31,0 | 22,0 | 9,0 | | |
| PBD17H100 | 17 | 4 | 1210 | 75,0 | 68,72 | 67,35 | 46,0 | - | 31,0 | 25,0 | 6,0 | | |
| PBD18H100 | 18 | 4 | 1210 | 79,0 | 72,77 | 71,40 | 56,0 | - | 31,0 | 25,0 | 6,0 | | |
| PBD19H100 | 19 | 4 | 1210 | 82,5 | 76,81 | 75,44 | 56,0 | - | 31,0 | 25,0 | 6,0 | | |
| PBD20H100 | 20 | 4 | 1210 | 87,0 | 80,85 | 79,48 | 56,0 | - | 31,0 | 25,0 | 6,0 | | |
| PBD21H100 | 21 | 4 | 1210 | 91,0 | 84,89 | 83,52 | 62,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD22H100 | 22 | 4 | 1210 | 94,0 | 88,94 | 87,57 | 62,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD23H100 | 23 | 4 | 1610 | 97,0 | 92,98 | 91,61 | 71,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD24H100 | 24 | 4 | 1610 | 102,0 | 97,02 | 95,65 | 71,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD25H100 | 25 | 4 | 1610 | 106,0 | 101,06 | 99,69 | 78,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD26H100 | 26 | 4 | 1610 | 112,0 | 105,11 | 103,74 | 78,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD27H100 | 27 | 4 | 1610 | 115,0 | 109,15 | 107,78 | 86,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD28H100 | 28 | 4 | 1610 | 120,0 | 113,19 | 111,92 | 86,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD30H100 | 30 | 4 | 1610 | 128,0 | 121,28 | 119,91 | 95,0 | - | 32,0 | 25,0 | 7,0 | | |
| PBD32H100 | 32 | 10 | 1610 | 135,0 | 129,36 | 127,99 | 110,0 | 82,0 | 32,0 | 25,0 | 7,0 | | |
| PBD33H100 | 33 | 10 | 1615 | 137,0 | 133,40 | 132,03 | 112,0 | 82,0 | 32,0 | 25,0 | - | | |
| PBD34H100 | 34 | 10 | 1610 | 142,0 | 137,45 | 136,08 | 112,0 | 82,0 | 32,0 | 25,0 | 7,0 | | |
| PBD35H100 | 35 | 10 | 1610 | 150,0 | 141,49 | 140,12 | 120,0 | 82,0 | 32,0 | 25,0 | 7,0 | | |
| PBD36H100 | 36 | 10 | 1610 | 150,0 | 145,53 | 144,16 | 120,0 | 82,0 | 32,0 | 25,0 | 7,0 | | |
| PBD38H100 | 38 | 10 | 1610 | 158,0 | 153,62 | 152,25 | 136,0 | 82,0 | 32,0 | 25,0 | 7,0 | | |
| PBD40H100 | 40 | 10 | 1610 | 168,0 | 161,70 | 160,33 | 136,0 | 90,0 | 32,0 | 25,0 | 7,0 | | |
| PBD44H100 | 44 | 7 | 2012 | 184,0 | 177,87 | 176,50 | 162,0 | 110,0 | 32,0 | 32,0 | - | | |
| PBD45H100 | 45 | 7 | 2012 | 192,0 | 181,91 | 180,54 | 162,0 | 110,0 | 32,0 | 32,0 | - | | |
| PBD48H100 | 48 | 7 | 2012 | 200,0 | 194,04 | 192,67 | 168,0 | 110,0 | 32,0 | 32,0 | - | | |
| PBD50H100 | 50 | 8A | 2012 | - | 202,13 | 200,76 | 172,0 | 110,0 | 34,0 | 32,0 | 1,0 | without flanges | cast iron |
| PBD52H100 | 52 | 8A | 2012 | - | 210,21 | 208,84 | 185,0 | 110,0 | 34,0 | 32,0 | 1,0 | | |
| PBD60H100 | 60 | 8A | 2012 | - | 242,55 | 241,18 | 217,0 | 110,0 | 34,0 | 32,0 | 1,0 | | |
| PBD70H100 | 70 | 8B | 2012 | - | 282,98 | 281,61 | 264,0 | 110,0 | 34,0 | 32,0 | 1,0 | | |
| PBD72H100 | 72 | 8B | 2012 | - | 291,06 | 289,69 | 264,0 | 110,0 | 34,0 | 32,0 | 1,0 | | |
| PBD84H100 | 84 | 8B | 2012 | - | 339,57 | 338,20 | 312,0 | 120,0 | 34,0 | 32,0 | 1,0 | | |
| PBD96H100 | 96 | 11B | 2517 | - | 388,08 | 386,71 | 357,0 | 120,0 | 34,0 | 45,0 | 5,5 | | |
| PBD106H100 | 106 | 11B | 2517 | - | 428,51 | 427,14 | 402,0 | 120,0 | 34,0 | 45,0 | 5,5 | | |
| PBD120H100 | 120 | 11B | 2517 | - | 485,10 | 483,73 | 457,0 | 120,0 | 34,0 | 45,0 | 5,5 | | |



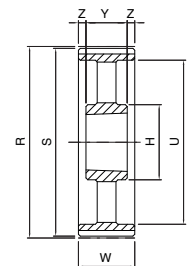
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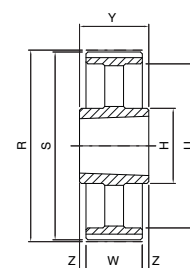
7



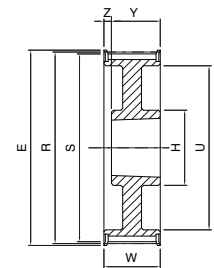
8A



8B



11B



10

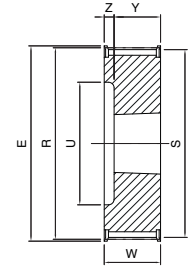
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



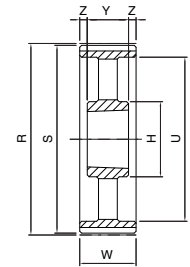
PBD ... H150

H

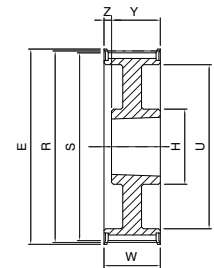
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| PBD14H150 | 14 | 4 | 1108 | 64,0 | 56,60 | 55,23 | 37,0 | - | 45,0 | 22,0 | 23,0 | with flanges | steel |
| PBD16H150 | 16 | 4 | 1108 | 70,0 | 64,68 | 63,31 | 46,0 | - | 45,0 | 22,0 | 23,0 | | |
| PBD18H150 | 18 | 4 | 1210 | 79,0 | 72,77 | 71,40 | 56,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD19H150 | 19 | 4 | 1210 | 82,5 | 76,81 | 75,44 | 56,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD20H150 | 20 | 4 | 1210 | 87,0 | 80,85 | 79,48 | 56,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD21H150 | 21 | 4 | 1210 | 91,0 | 84,89 | 83,52 | 67,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD22H150 | 22 | 4 | 1210 | 94,0 | 88,94 | 87,57 | 67,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD23H150 | 23 | 4 | 1610 | 97,0 | 92,98 | 91,61 | 71,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD24H150 | 24 | 4 | 1610 | 102,0 | 97,02 | 95,65 | 71,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD25H150 | 25 | 4 | 1610 | 106,0 | 101,06 | 99,69 | 78,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD26H150 | 26 | 4 | 1610 | 112,0 | 105,11 | 103,74 | 78,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD27H150 | 27 | 4 | 1610 | 115,0 | 109,15 | 107,78 | 86,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD28H150 | 28 | 4 | 1610 | 120,0 | 113,19 | 111,92 | 86,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD30H150 | 30 | 4 | 1610 | 128,0 | 121,28 | 119,91 | 95,0 | - | 45,0 | 25,0 | 20,0 | | |
| PBD32H150 | 32 | 10 | 1610 | 135,0 | 129,36 | 127,99 | 110,0 | 82,0 | 45,0 | 25,0 | 20,0 | | |
| PBD35H150 | 35 | 10 | 1610 | 150,0 | 141,49 | 140,12 | 120,0 | 82,0 | 45,0 | 25,0 | 20,0 | | |
| PBD36H150 | 36 | 10 | 1610 | 150,0 | 145,53 | 144,16 | 120,0 | 82,0 | 45,0 | 25,0 | 20,0 | | |
| PBD40H150 | 40 | 10 | 1610 | 168,0 | 161,70 | 160,33 | 136,0 | 90,0 | 45,0 | 25,0 | 20,0 | | |
| PBD44H150 | 44 | 10 | 2012 | 184,0 | 177,87 | 176,50 | 152,0 | 110,0 | 45,0 | 32,0 | 13,0 | | |
| PBD45H150 | 45 | 10 | 2012 | 192,0 | 181,91 | 180,54 | 162,0 | 110,0 | 45,0 | 32,0 | 13,0 | | |
| PBD48H150 | 48 | 10 | 2012 | 200,0 | 194,04 | 192,67 | 168,0 | 110,0 | 45,0 | 32,0 | 13,0 | | |
| PBD60H150 | 60 | 8B | 2012 | - | 242,55 | 241,18 | 217,0 | 110,0 | 46,0 | 32,0 | 7,0 | | |
| PBD70H150 | 70 | 8B | 2012 | - | 282,98 | 281,61 | 264,0 | 110,0 | 46,0 | 32,0 | 7,0 | | |
| PBD72H150 | 72 | 8B | 2012 | - | 291,06 | 289,69 | 264,0 | 110,0 | 46,0 | 32,0 | 7,0 | | |
| PBD82H150 | 82 | 8B | 2012 | - | 331,49 | 330,12 | 312,0 | 110,0 | 46,0 | 32,0 | 7,0 | | |
| PBD84H150 | 84 | 8B | 2012 | - | 339,57 | 338,20 | 312,0 | 110,0 | 46,0 | 32,0 | 7,0 | | |
| PBD94H150 | 94 | 8B | 2517 | - | 380,00 | 378,63 | 357,0 | 120,0 | 46,0 | 45,0 | 0,5 | | |
| PBD96H150 | 96 | 8B | 2517 | - | 388,08 | 386,71 | 357,0 | 120,0 | 46,0 | 45,0 | 0,5 | | |
| PBD106H150 | 106 | 8B | 2517 | - | 428,51 | 427,14 | 402,0 | 120,0 | 46,0 | 45,0 | 0,5 | | |
| PBD120H150 | 120 | 8B | 2517 | - | 485,10 | 483,73 | 457,0 | 120,0 | 46,0 | 45,0 | 0,5 | | |



4



8B



10

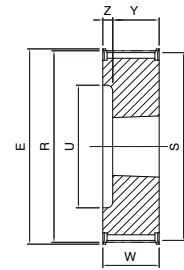
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



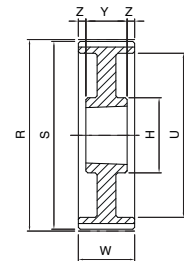
PBD ... H200

H

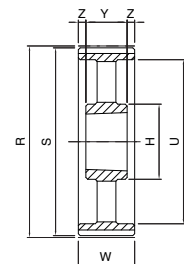
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| PBD16H200 | 16 | 4 | 1108 | 70,0 | 64,68 | 63,31 | 46,0 | - | 58,0 | 22,0 | 36,0 | with flanges | steel |
| PBD18H200 | 18 | 4 | 1210 | 79,0 | 72,77 | 71,40 | 52,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD19H200 | 19 | 4 | 1610 | 82,5 | 76,81 | 75,44 | 56,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD20H200 | 20 | 4 | 1610 | 87,0 | 80,85 | 79,48 | 56,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD21H200 | 21 | 4 | 1610 | 91,0 | 84,89 | 83,52 | 67,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD22H200 | 22 | 4 | 1610 | 94,0 | 88,94 | 87,57 | 67,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD23H200 | 23 | 4 | 1610 | 97,0 | 92,98 | 91,61 | 71,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD24H200 | 24 | 4 | 1610 | 102,0 | 97,02 | 95,65 | 71,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD25H200 | 25 | 4 | 1610 | 106,0 | 101,06 | 99,69 | 78,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD26H200 | 26 | 4 | 1610 | 112,0 | 105,11 | 103,74 | 78,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD27H200 | 27 | 4 | 1610 | 115,0 | 109,15 | 107,78 | 86,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD28H200 | 28 | 4 | 1610 | 120,0 | 113,19 | 111,92 | 86,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD30H200 | 30 | 4 | 1610 | 128,0 | 121,28 | 119,91 | 95,0 | - | 58,0 | 25,0 | 33,0 | | |
| PBD32H200 | 32 | 4 | 2012 | 135,0 | 129,36 | 127,99 | 106,0 | - | 58,0 | 32,0 | 26,0 | | |
| PBD35H200 | 35 | 10 | 2012 | 150,0 | 141,49 | 140,12 | 120,0 | 102,0 | 58,0 | 32,0 | 26,0 | | |
| PBD36H200 | 36 | 10 | 2012 | 150,0 | 145,53 | 144,16 | 120,0 | 102,0 | 58,0 | 32,0 | 26,0 | | |
| PBD40H200 | 40 | 10 | 2012 | 168,0 | 161,70 | 160,33 | 136,0 | 110,0 | 58,0 | 32,0 | 26,0 | | |
| PBD44H200 | 44 | 10 | 2012 | 184,0 | 177,87 | 176,50 | 162,0 | 110,0 | 58,0 | 32,0 | 26,0 | | |
| PBD48H200 | 48 | 10 | 2517 | 200,0 | 194,04 | 192,67 | 168,0 | 120,0 | 58,0 | 45,0 | 13,0 | | |
| PBD50H200 | 50 | 8A | 2517 | - | 202,13 | 200,76 | 172,0 | 120,0 | 60,0 | 45,0 | 7,5 | without flanges | cast iron |
| PBD52H200 | 52 | 8A | 2517 | - | 210,21 | 208,84 | 185,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD60H200 | 60 | 8B | 2517 | - | 242,55 | 241,18 | 217,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD70H200 | 70 | 8B | 2517 | - | 282,98 | 281,61 | 264,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD72H200 | 72 | 8B | 2517 | - | 291,06 | 289,69 | 264,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD82H200 | 82 | 8B | 2517 | - | 331,49 | 330,12 | 312,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD84H200 | 84 | 8B | 2517 | - | 339,57 | 338,20 | 312,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD94H200 | 94 | 8B | 2517 | - | 380,00 | 378,63 | 357,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD96H200 | 96 | 8B | 2517 | - | 388,08 | 386,71 | 357,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD106H200 | 106 | 8B | 2517 | - | 428,51 | 427,14 | 402,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD116H200 | 116 | 8B | 2517 | - | 468,93 | 467,56 | 442,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |
| PBD120H200 | 120 | 8B | 2517 | - | 485,10 | 483,73 | 457,0 | 120,0 | 60,0 | 45,0 | 7,5 | | |



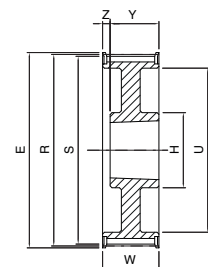
4



8A



8B



10

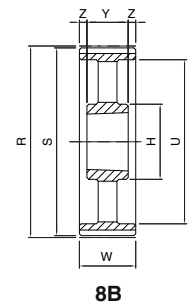
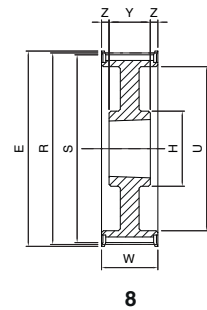
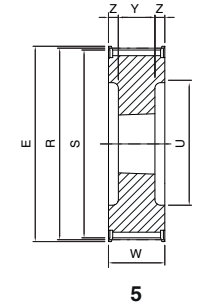
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



PBD ... H300

H

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| PBD19H300 | 19 | 5 | 1215 | 82,5 | 76,81 | 75,44 | 56,0 | - | 84,0 | 38,0 | 23,0 | with flanges | steel |
| PBD20H300 | 20 | 5 | 1615 | 87,0 | 80,85 | 79,48 | 62,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD21H300 | 21 | 5 | 1615 | 91,0 | 84,89 | 83,52 | 62,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD22H300 | 22 | 5 | 1615 | 94,0 | 88,94 | 87,57 | 62,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD23H300 | 23 | 5 | 1615 | 97,0 | 92,98 | 91,61 | 71,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD24H300 | 24 | 5 | 1615 | 102,0 | 97,02 | 95,65 | 71,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD25H300 | 25 | 5 | 1615 | 106,0 | 101,06 | 99,69 | 79,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD26H300 | 26 | 5 | 1615 | 112,0 | 105,11 | 103,74 | 79,0 | - | 84,0 | 38,0 | 23,0 | | |
| PBD27H300 | 27 | 5 | 2012 | 115,0 | 109,15 | 107,78 | 86,0 | - | 84,0 | 32,0 | 26,0 | | |
| PBD28H300 | 28 | 5 | 2012 | 120,0 | 113,19 | 111,92 | 86,0 | - | 84,0 | 32,0 | 26,0 | | |
| PBD30H300 | 30 | 5 | 2012 | 128,0 | 121,28 | 119,91 | 95,0 | - | 84,0 | 32,0 | 26,0 | | |
| PBD32H300 | 32 | 5 | 2517 | 135,0 | 129,36 | 127,99 | 110,0 | - | 84,0 | 45,0 | 19,5 | | |
| PBD33H300 | 33 | 5 | 2517 | 142,0 | 133,40 | 132,03 | 112,0 | - | 84,0 | 45,0 | 19,5 | | |
| PBD34H300 | 34 | 5 | 2517 | 142,0 | 137,45 | 136,08 | 112,0 | - | 84,0 | 45,0 | 19,5 | | |
| PBD36H300 | 36 | 5 | 2517 | 150,0 | 145,53 | 144,16 | 120,0 | - | 84,0 | 45,0 | 19,5 | | |
| PBD40H300 | 40 | 8 | 2517 | 168,0 | 161,70 | 160,33 | 136,0 | 120,0 | 84,0 | 45,0 | 19,5 | | |
| PBD44H300 | 44 | 8 | 2517 | 184,0 | 177,87 | 176,50 | 162,0 | 120,0 | 86,0 | 45,0 | 20,5 | | |
| PBD48H300 | 48 | 8 | 2517 | 200,0 | 194,04 | 192,67 | 168,0 | 120,0 | 86,0 | 45,0 | 20,5 | | |
| PBD60H300 | 60 | 8B | 2517 | - | 242,55 | 241,18 | 223,0 | 120,0 | 86,0 | 45,0 | 20,5 | | |
| PBD72H300 | 72 | 8B | 2517 | - | 291,06 | 289,69 | 264,0 | 120,0 | 86,0 | 45,0 | 20,5 | | |
| PBD84H300 | 84 | 8B | 2517 | - | 339,57 | 338,20 | 312,0 | 120,0 | 86,0 | 45,0 | 20,5 | | |
| PBD94H300 | 94 | 8B | 3030 | - | 380,00 | 378,63 | 357,0 | 146,0 | 86,0 | 76,0 | 5,0 | | |
| PBD96H300 | 96 | 8B | 3030 | - | 388,08 | 386,71 | 357,0 | 146,0 | 86,0 | 76,0 | 5,0 | | |
| PBD106H300 | 106 | 8B | 3030 | - | 428,51 | 427,14 | 402,0 | 146,0 | 86,0 | 76,0 | 5,0 | | |
| PBD116H300 | 116 | 8B | 3030 | - | 468,93 | 467,56 | 442,0 | 146,0 | 86,0 | 76,0 | 5,0 | | |
| PBD118H300 | 118 | 8B | 3030 | - | 477,02 | 475,65 | 457,0 | 146,0 | 86,0 | 76,0 | 5,0 | | |
| PBD120H300 | 120 | 8B | 3030 | - | 485,10 | 483,73 | 457,0 | 146,0 | 86,0 | 76,0 | 5,0 | | |
| | | | | | | | | | | | | without flanges | cast iron |



Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®

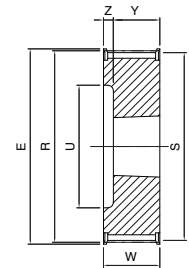


TIMING PULLEYS - PBD

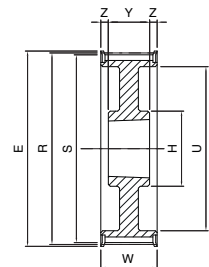
PBD ... XH200

XH

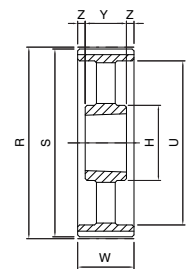
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| PBD18XH200 | 18 | 4 | 2517 | 134,0 | 127,34 | 124,55 | 95,0 | - | 64,0 | 45,0 | 19,0 | with flanges | cast iron |
| PBD20XH200 | 20 | 4 | 2517 | 150,0 | 141,49 | 138,70 | 101,0 | - | 64,0 | 45,0 | 19,0 | | |
| PBD21XH200 | 21 | 4 | 2517 | 158,0 | 148,56 | 145,77 | 115,0 | - | 64,0 | 45,0 | 19,0 | | |
| PBD22XH200 | 22 | 4 | 2517 | 166,0 | 155,64 | 152,85 | 115,0 | - | 64,0 | 45,0 | 19,0 | | |
| PBD24XH200 | 24 | 4 | 2517 | 177,0 | 169,79 | 167,00 | 129,0 | - | 64,0 | 45,0 | 19,0 | | |
| PBD26XH200 | 26 | 4 | 2517 | 191,0 | 183,94 | 181,15 | 143,0 | - | 64,0 | 45,0 | 19,0 | | |
| PBD28XH200 | 28 | 8 | 2517 | 209,0 | 198,08 | 195,29 | 157,0 | 120,0 | 64,0 | 45,0 | 9,5 | | |
| PBD30XH200 | 30 | 8 | 2517 | 216,0 | 212,23 | 209,44 | 180,0 | 120,0 | 64,0 | 45,0 | 9,5 | | |
| PBD32XH200 | 32 | 8 | 2517 | 232,0 | 226,38 | 223,59 | 195,0 | 120,0 | 64,0 | 45,0 | 9,5 | | |
| PBD38XH200 | 38 | 8 | 2517 | 274,0 | 268,83 | 266,03 | 234,0 | 120,0 | 64,0 | 45,0 | 9,5 | | |
| PBD40XH200 | 40 | 8 | 3020 | 288,0 | 282,98 | 280,19 | 242,0 | 146,0 | 64,0 | 51,0 | 6,5 | | |
| PBD46XH200 | 46 | 8B | 3020 | - | 325,42 | 322,63 | 285,0 | 146,0 | 64,0 | 51,0 | 6,5 | | |
| PBD48XH200 | 48 | 8B | 3020 | - | 339,57 | 336,78 | 299,0 | 146,0 | 64,0 | 51,0 | 6,5 | | |
| PBD58XH200 | 58 | 8B | 3020 | - | 410,32 | 407,52 | 370,0 | 146,0 | 64,0 | 51,0 | 6,5 | | |
| PBD60XH200 | 60 | 11B | 3535 | - | 424,47 | 421,68 | 384,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |
| PBD70XH200 | 70 | 11B | 3535 | - | 495,21 | 492,42 | 455,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |
| PBD72XH200 | 72 | 11B | 3535 | - | 509,36 | 506,57 | 469,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |
| PBD78XH200 | 78 | 11B | 3535 | - | 551,80 | 549,01 | 511,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |
| PBD80XH200 | 80 | 11B | 3535 | - | 565,95 | 563,16 | 525,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |
| PBD82XH200 | 82 | 11B | 3535 | - | 580,10 | 577,31 | 539,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |
| PBD84XH200 | 84 | 11B | 3535 | - | 594,25 | 591,46 | 554,0 | 178,0 | 64,0 | 89,0 | 12,5 | | |



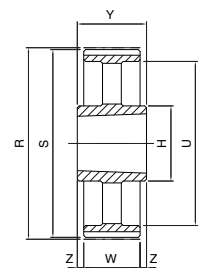
4



8



8B



11B

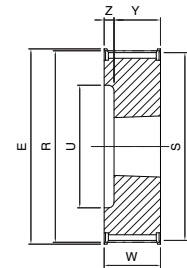
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



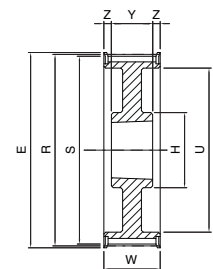
PBD ... XH300

XH

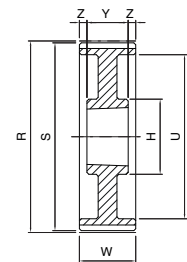
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| PBD18XH300 | 18 | 4 | 2517 | 134,0 | 127,34 | 124,55 | 95,0 | - | 90,0 | 45,0 | 45,0 | with flanges | cast iron |
| PBD20XH300 | 20 | 4 | 2517 | 150,0 | 141,49 | 138,70 | 101,0 | - | 90,0 | 45,0 | 45,0 | | |
| PBD22XH300 | 22 | 4 | 2517 | 166,0 | 155,64 | 152,85 | 115,0 | - | 90,0 | 45,0 | 45,0 | | |
| PBD24XH300 | 24 | 4 | 2517 | 177,0 | 169,79 | 167,00 | 129,0 | - | 90,0 | 45,0 | 45,0 | | |
| PBD26XH300 | 26 | 4 | 2517 | 191,0 | 183,94 | 181,15 | 143,0 | - | 90,0 | 45,0 | 45,0 | | |
| PBD28XH300 | 28 | 10 | 3020 | 209,0 | 198,08 | 195,29 | 157,0 | 146,0 | 90,0 | 51,0 | 39,0 | | |
| PBD30XH300 | 30 | 10 | 3020 | 216,0 | 212,23 | 209,44 | 172,0 | 146,0 | 90,0 | 51,0 | 39,0 | | |
| PBD32XH300 | 32 | 10 | 3020 | 232,0 | 226,38 | 223,59 | 186,0 | 146,0 | 90,0 | 51,0 | 39,0 | | |
| PBD34XH300 | 34 | 10 | 3020 | 261,0 | 240,53 | 237,74 | 200,0 | 146,0 | 90,0 | 51,0 | 39,0 | | |
| PBD38XH300 | 38 | 10 | 3020 | 274,0 | 268,83 | 266,03 | 228,0 | 146,0 | 90,0 | 51,0 | 39,0 | | |
| PBD40XH300 | 40 | 8 | 3020 | 288,0 | 282,98 | 280,19 | 245,0 | 146,0 | 90,0 | 51,0 | 19,5 | | |
| PBD46XH300 | 46 | 8A | 3020 | - | 325,42 | 322,63 | 285,0 | 146,0 | 90,0 | 51,0 | 19,5 | | |
| PBD48XH300 | 48 | 8A | 3020 | - | 339,57 | 336,78 | 299,0 | 146,0 | 90,0 | 51,0 | 19,5 | | |
| PBD58XH300 | 58 | 8A | 3535 | - | 410,32 | 407,52 | 370,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD60XH300 | 60 | 8A | 3535 | - | 424,47 | 421,68 | 384,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD70XH300 | 70 | 8B | 3535 | - | 495,21 | 492,42 | 455,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD72XH300 | 72 | 8B | 3535 | - | 509,36 | 506,57 | 469,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD78XH300 | 78 | 8B | 3535 | - | 551,80 | 549,01 | 511,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD80XH300 | 80 | 8B | 3535 | - | 565,95 | 563,16 | 525,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD82XH300 | 82 | 8B | 3535 | - | 580,10 | 577,31 | 539,0 | 178,0 | 90,0 | 89,0 | 0,5 | | |
| PBD84XH300 | 84 | 11B | 4040 | - | 594,25 | 591,46 | 554,0 | 215,0 | 90,0 | 102,0 | 6,0 | | |



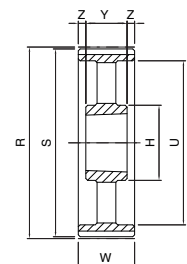
4



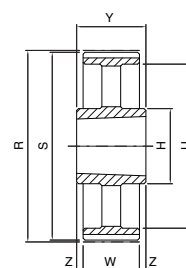
8



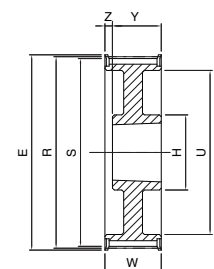
8A



8B



11B



10

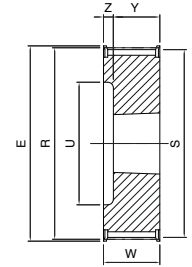
Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



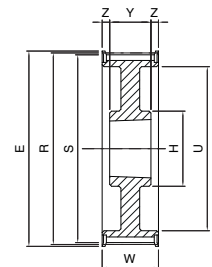
PBD ... XH400

XH

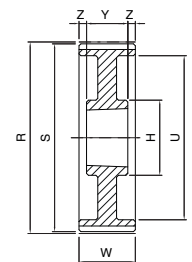
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| PBD18XH400 | 18 | 4 | 2517 | 134,0 | 127,34 | 124,55 | 95,0 | - | 119,0 | 45,0 | 74,0 | with flanges | cast iron |
| PBD20XH400 | 20 | 4 | 2517 | 150,0 | 141,49 | 138,70 | 101,0 | - | 119,0 | 45,0 | 74,0 | | |
| PBD21XH400 | 21 | 4 | 2517 | 158,0 | 148,56 | 145,77 | 115,0 | - | 119,0 | 45,0 | 74,0 | | |
| PBD22XH400 | 22 | 4 | 2517 | 166,0 | 155,64 | 152,85 | 115,0 | - | 119,0 | 45,0 | 74,0 | | |
| PBD24XH400 | 24 | 4 | 3020 | 177,0 | 169,79 | 167,00 | 129,0 | - | 119,0 | 51,0 | 68,0 | | |
| PBD26XH400 | 26 | 4 | 3020 | 191,0 | 183,94 | 181,15 | 143,0 | - | 119,0 | 51,0 | 68,0 | | |
| PBD28XH400 | 28 | 4 | 3020 | 209,0 | 198,08 | 195,29 | 157,0 | - | 119,0 | 51,0 | 68,0 | | |
| PBD30XH400 | 30 | 10 | 3020 | 216,0 | 212,23 | 209,44 | 172,0 | 146,0 | 119,0 | 51,0 | 68,0 | | |
| PBD32XH400 | 32 | 10 | 3020 | 232,0 | 226,38 | 223,59 | 186,0 | 146,0 | 119,0 | 51,0 | 68,0 | | |
| PBD34XH400 | 34 | 10 | 3020 | 261,0 | 240,53 | 237,74 | 200,0 | 146,0 | 119,0 | 51,0 | 68,0 | | |
| PBD38XH400 | 38 | 10 | 3020 | 274,0 | 268,83 | 266,03 | 228,0 | 146,0 | 119,0 | 51,0 | 68,0 | | |
| PBD40XH400 | 40 | 8 | 3535 | 288,0 | 282,98 | 280,19 | 242,0 | 178,0 | 119,0 | 89,0 | 15,0 | without flanges | |
| PBD46XH400 | 46 | 8A | 3535 | - | 325,42 | 322,63 | 285,0 | 178,0 | 119,0 | 89,0 | 15,0 | | |
| PBD48XH400 | 48 | 8A | 3535 | - | 339,57 | 336,78 | 299,0 | 178,0 | 119,0 | 89,0 | 15,0 | | |
| PBD58XH400 | 58 | 8B | 3535 | - | 410,32 | 407,52 | 370,0 | 178,0 | 119,0 | 89,0 | 15,0 | | |
| PBD60XH400 | 60 | 8B | 4040 | - | 424,47 | 421,68 | 384,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |
| PBD70XH400 | 70 | 8B | 4040 | - | 495,21 | 492,42 | 455,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |
| PBD72XH400 | 72 | 8B | 4040 | - | 509,36 | 506,57 | 469,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |
| PBD78XH400 | 78 | 8B | 4040 | - | 551,80 | 549,01 | 511,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |
| PBD80XH400 | 80 | 8B | 4040 | - | 565,95 | 563,16 | 525,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |
| PBD82XH400 | 82 | 8B | 4040 | - | 580,10 | 577,31 | 539,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |
| PBD84XH400 | 84 | 8B | 4040 | - | 594,25 | 591,46 | 554,0 | 215,0 | 119,0 | 102,0 | 8,5 | | |



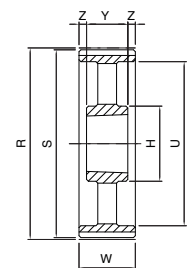
4



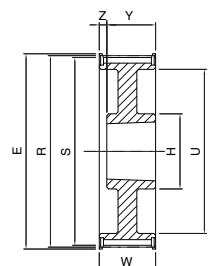
8



8A



8B



10

SIT timing pulleys - METRIC PITCH

Standard timing pulleys METRIC PITCH are made in aluminum, in solid hub execution.

Solid hub

Material: aluminum

Pitch:

- T 2,5
- T 5
- T 10

- AT5
- AT 10



Solid hub

Material: on request

Pitch:

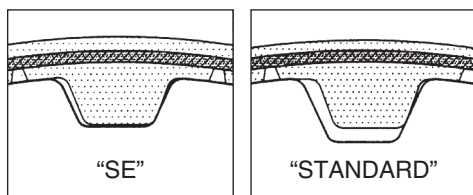
- T20
- AT 20



Special executions

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For standard executions the teeth shape and the consequent backlash are related to the number of teeth.

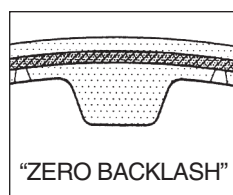


Z < 20

Z > 20

SE: reduced backlash

On demand, in case of very precise applications (e.g. positioning systems), a "zero backlash" version can be supplied.



On demand

TOLERANCES

Pulley diameter tolerances

| External diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 25,4 | -0,05 +0,00 |
| from 25,5 to 50,8 | -0,08 +0,00 |
| from 50,9 to 102 | -0,10 +0,00 |
| from 103 to 178 | -0,13 +0,00 |
| from 179 to 305 | -0,15 +0,00 |
| from 306 to 509 | -0,18 +0,00 |
| from 510 to 761 | -0,20 +0,00 |
| from 762 to 1015 | -0,23 +0,00 |
| more than 1016 | -0,25 +0,00 |

Radial circular runout

| External diameter [mm] | Measured total eccentricity [mm] |
|------------------------|------------------------------------|
| up to 203,2 | 0,13 |
| more than 203,2 | add 0,013 for any 25,4 of diameter |

Cylindricity tolerance

| Pulley width | Tolerances |
|----------------|---|
| for any 100 mm | 0,1 mm without exceeding the external diameter tolerance |

Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.

Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.

In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal, both pulleys have to be flanged.

Protective coating

Lifetime of aluminum pulleys can be reduced because the nylon coating of the belt teeth has a slightly abrasive effect.

This disadvantage can be reduced applying a high thickness anodization coating on the pulley teeth.

Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes. For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used. For confirmation of the material actually available, please contact customer service.

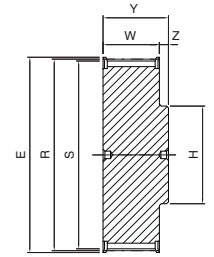
Dimensions of timing pulleys METRIC PITCH "T" - solid hub

Pitches T 2,5 - T 5 - T 10 - T 20

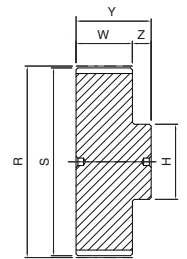


TIMING PULLEYS - PDMT

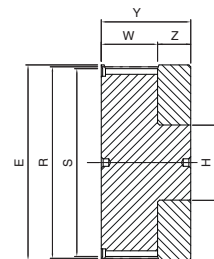
| | |
|--------------------------------|------------------|
| Part Number | PDMT 27 T2,5 /24 |
| METRIC PITCH timing pulley "T" | |
| Total width (mm) | |
| Pitch | |
| Number of teeth | |



1



1A



2

T 2,5

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|----------|
| PDMT 16 T2,5/12 | 12 | 2 | 13,0 | 9,55 | 9,05 | 13,0 | 9,0 | 16,0 | 7,0 | aluminum |
| PDMT 16 T2,5/14 | 14 | 2 | 15,0 | 11,14 | 10,64 | 15,0 | 9,0 | 16,0 | 7,0 | |
| PDMT 16 T2,5/15 | 15 | 2 | 15,0 | 11,94 | 11,44 | 15,0 | 9,0 | 16,0 | 7,0 | |
| PDMT 16 T2,5/16 | 16 | 2 | 16,0 | 12,73 | 12,23 | 16,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/18 | 18 | 1 | 17,5 | 14,32 | 13,82 | 10,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/19 | 19 | 1 | 20,0 | 15,12 | 14,62 | 10,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/20 | 20 | 1 | 20,0 | 15,92 | 15,41 | 11,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/22 | 22 | 1 | 22,0 | 17,51 | 17,01 | 11,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/24 | 24 | 1 | 22,0 | 19,10 | 18,60 | 12,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/25 | 25 | 1 | 23,0 | 19,89 | 19,39 | 13,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/26 | 26 | 1 | 26,0 | 20,69 | 20,19 | 14,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/28 | 28 | 1 | 26,0 | 22,28 | 21,78 | 14,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/30 | 30 | 1 | 28,0 | 23,87 | 23,37 | 16,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/32 | 32 | 1 | 32,0 | 25,46 | 24,96 | 16,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/36 | 36 | 1 | 36,0 | 28,65 | 28,15 | 20,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/40 | 40 | 1 | 38,0 | 31,83 | 31,33 | 22,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/44 | 44 | 1 | 42,0 | 35,01 | 34,51 | 24,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/48 | 48 | 1A | - | 38,20 | 37,70 | 26,0 | 10,0 | 16,0 | 6,0 | |
| PDMT 16 T2,5/60 | 60 | 1A | - | 47,75 | 47,25 | 34,0 | 10,0 | 16,0 | 6,0 | |

T 5

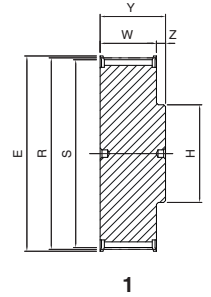
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | Belt width | | | | | | Z [mm] | Material |
|-------------------|-----------|------|--------|--------|--------|--------|------------|--------|--------|--------|--------|--------|--------|----------|
| | | | | | | | 10 mm | | 16 mm | | 25 mm | | | |
| | | | | | | | W [mm] | Y [mm] | W [mm] | Y [mm] | W [mm] | Y [mm] | | |
| PDMT quoteY T5/10 | 10 | 1 | 19,50 | 15,92 | 15,07 | 8,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | aluminum |
| PDMT quoteY T5/12 | 12 | 1 | 23,00 | 19,10 | 18,26 | 11,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/14 | 14 | 1 | 25,00 | 22,28 | 21,44 | 13,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/15 | 15 | 1 | 28,00 | 23,87 | 23,03 | 16,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/16 | 16 | 1 | 32,00 | 25,46 | 24,62 | 18,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/18 | 18 | 1 | 32,00 | 28,65 | 27,81 | 20,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/19 | 19 | 1 | 36,00 | 30,24 | 29,40 | 20,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/20 | 20 | 1 | 36,00 | 31,83 | 30,99 | 22,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/22 | 22 | 1 | 38,00 | 35,01 | 34,17 | 23,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/24 | 24 | 1 | 42,00 | 38,20 | 37,36 | 24,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/25 | 25 | 1 | 44,00 | 39,79 | 38,95 | 26,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/26 | 26 | 1 | 44,00 | 41,38 | 40,54 | 26,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/27 | 27 | 1 | 48,00 | 42,97 | 42,13 | 30,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/28 | 28 | 1 | 48,00 | 44,56 | 43,72 | 32,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/30 | 30 | 1 | 51,00 | 47,75 | 46,91 | 34,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/32 | 32 | 1 | 54,00 | 50,93 | 50,09 | 38,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/36 | 36 | 1 | 64,00 | 57,30 | 56,46 | 38,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/40 | 40 | 1 | 66,50 | 63,66 | 62,82 | 40,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/42 | 42 | 1 | 70,00 | 66,85 | 66,00 | 40,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/44 | 44 | 1A | - | 70,03 | 69,19 | 45,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/48 | 48 | 1A | - | 76,39 | 75,55 | 50,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PDMT quoteY T5/60 | 60 | 1A | - | 95,49 | 94,65 | 65,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |

Dimensions of timing pulleys METRIC PITCH “T” - solid hub

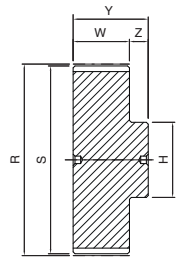


T 10

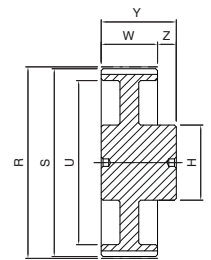
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | Belt width | | | | | | | | Z [mm] | Material |
|--------------------|-----------|------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | | | | | | | | 16 mm | | 25 mm | | 32 mm | | 50 mm | | | |
| | | | | | | | | W [mm] | Y [mm] | W [mm] | Y [mm] | W [mm] | Y [mm] | W [mm] | Y [mm] | | |
| PDMT quoteY T10/12 | 12 | 1 | 42,0 | 38,20 | 36,34 | - | 28,0 | 21,0 | 31,0 | 30,0 | 40,0 | - | - | - | - | 10,0 | aluminum |
| PDMT quoteY T10/14 | 14 | 1 | 48,0 | 44,56 | 42,70 | - | 32,0 | 21,0 | 31,0 | 30,0 | 40,0 | - | - | - | - | 10,0 | |
| PDMT quoteY T10/15 | 15 | 1 | 51,0 | 47,75 | 45,89 | - | 32,0 | 21,0 | 31,0 | 30,0 | 40,0 | - | - | - | - | 10,0 | |
| PDMT quoteY T10/16 | 16 | 1 | 54,0 | 50,93 | 49,07 | - | 35,0 | 21,0 | 31,0 | 30,0 | 40,0 | - | - | - | - | 10,0 | |
| PDMT quoteY T10/18 | 18 | 1 | 60,0 | 57,30 | 55,44 | - | 40,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/19 | 19 | 1 | 66,0 | 60,48 | 58,62 | - | 44,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/20 | 20 | 1 | 66,0 | 63,66 | 61,80 | - | 46,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/22 | 22 | 1 | 75,0 | 70,03 | 68,17 | - | 52,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/24 | 24 | 1 | 83,0 | 76,39 | 74,53 | - | 58,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/25 | 25 | 1 | 83,0 | 79,58 | 77,72 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/26 | 26 | 1 | 87,0 | 82,76 | 80,90 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/27 | 27 | 1 | 91,0 | 85,94 | 84,08 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/28 | 28 | 1 | 93,0 | 89,13 | 87,27 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/30 | 30 | 1 | 97,0 | 95,49 | 93,63 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/32 | 32 | 1 | 106,0 | 101,86 | 100,00 | - | 65,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/36 | 36 | 1 | 119,0 | 114,59 | 112,73 | - | 70,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/40 | 40 | 1 | 131,0 | 127,32 | 125,46 | - | 80,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/44 | 44 | 3A | - | 140,06 | 138,20 | 118,0 | 88,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/48 | 48 | 3A | - | 152,79 | 150,93 | 130,0 | 95,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PDMT quoteY T10/60 | 60 | 3A | - | 190,99 | 189,13 | 165,0 | 110,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |



1



1A



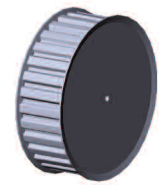
3A

T 20

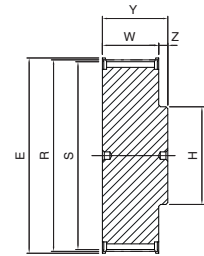
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d Ø | Belt width | | | | | | | | | Material |
|--------------------|-----------|------|--------|--------|--------|--------|--------|------|------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | | 32 mm | | | 50 mm | | | 100 mm | | | |
| | | | | | | | | | W [mm] | Y [mm] | Z [mm] | W [mm] | Y [mm] | Z [mm] | W [mm] | Y [mm] | Z [mm] | |
| PDMT quoteY T20/18 | 18 | 1 | 118,0 | 114,59 | 111,74 | - | 80,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | on request |
| PDMT quoteY T20/20 | 20 | 1 | 134,0 | 127,32 | 124,47 | - | 90,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/22 | 22 | 1 | 150,0 | 140,06 | 137,21 | - | 90,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/24 | 24 | 1 | 158,0 | 152,79 | 149,94 | - | 95,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/25 | 25 | 1 | 166,0 | 159,15 | 156,30 | - | 95,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/30 | 30 | 1 | 200,0 | 190,99 | 188,14 | - | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/32 | 32 | 1A | - | 203,72 | 200,87 | - | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/36 | 36 | 1A | - | 229,18 | 226,33 | - | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/40 | 40 | 3A | - | 254,65 | 251,80 | 210,0 | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/48 | 48 | 3A | - | 305,58 | 302,73 | 260,0 | 130,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/60 | 60 | 3A | - | 381,97 | 379,12 | 338,0 | 130,0 | 22,0 | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PDMT quoteY T20/72 | 72 | 3A | - | 458,37 | 455,52 | 415,0 | 140,0 | 22,0 | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |

Dimensions of timing pulleys METRIC PITCH “AT” - solid hub

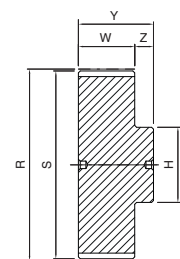
Pitches AT 5 - AT 10 - AT 20



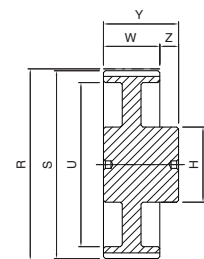
| | |
|---------------------------------|-----------------|
| Part Number | PMAT 36 AT5 /20 |
| METRIC PITCH timing pulley “AT” | |
| Total width (mm) | |
| Pitch | |
| Number of teeth | |



1



1A



3A

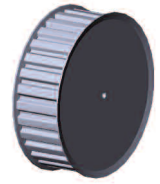
AT 5

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | Belt width | | | | | | Z [mm] | Material |
|--------------------|-----------|------|--------|--------|--------|--------|------------|--------|--------|--------|--------|--------|--------|----------|
| | | | | | | | 10 mm | | 16 mm | | 25 mm | | | |
| | | | | | | | W [mm] | Y [mm] | W [mm] | Y [mm] | W [mm] | Y [mm] | | |
| PMAT quoteY AT5/12 | 12 | 1 | 23,0 | 19,10 | 17,88 | 11,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | aluminum |
| PMAT quoteY AT5/14 | 14 | 1 | 25,0 | 22,28 | 21,06 | 14,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/15 | 15 | 1 | 28,0 | 23,87 | 22,65 | 16,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/16 | 16 | 1 | 32,0 | 25,46 | 24,24 | 18,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/18 | 18 | 1 | 32,0 | 28,65 | 27,43 | 20,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/19 | 19 | 1 | 36,0 | 30,24 | 29,02 | 22,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/20 | 20 | 1 | 36,0 | 31,83 | 30,61 | 23,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/22 | 22 | 1 | 38,0 | 35,01 | 33,79 | 24,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/24 | 24 | 1 | 42,0 | 38,20 | 36,98 | 26,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/25 | 25 | 1 | 44,0 | 39,79 | 38,57 | 26,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/26 | 26 | 1 | 44,0 | 41,38 | 40,16 | 26,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/27 | 27 | 1 | 48,0 | 42,97 | 41,75 | 30,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/28 | 28 | 1 | 48,0 | 44,56 | 43,34 | 32,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/30 | 30 | 1 | 51,0 | 47,75 | 46,53 | 34,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/32 | 32 | 1 | 54,0 | 50,93 | 49,71 | 36,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/36 | 36 | 1 | 64,0 | 57,30 | 56,08 | 38,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/40 | 40 | 1 | 67,0 | 63,66 | 62,44 | 40,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/42 | 42 | 1 | 70,0 | 66,85 | 65,62 | 40,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/44 | 44 | 1A | - | 70,03 | 68,81 | 45,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/48 | 48 | 1A | - | 76,39 | 75,17 | 50,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |
| PMAT quoteY AT5/60 | 60 | 1A | - | 95,49 | 94,27 | 65,0 | 15,0 | 21,0 | 21,0 | 27,0 | 30,0 | 36,0 | 6,0 | |

AT 10

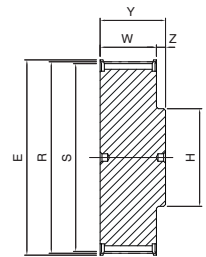
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | Belt width | | | | | | | | Z [mm] | Material |
|---------------------|-----------|------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | | | | | | | | 16 mm | | 25 mm | | 32 mm | | 50 mm | | | |
| | | | | | | | | W [mm] | Y [mm] | W [mm] | Y [mm] | W [mm] | Y [mm] | W [mm] | Y [mm] | | |
| PMAT quoteY AT10/15 | 15 | 1 | 51,0 | 47,75 | 45,93 | - | 31,0 | 21,0 | 31,0 | 30,0 | 40,0 | - | - | - | - | 10,0 | aluminum |
| PMAT quoteY AT10/16 | 16 | 1 | 54,0 | 50,93 | 49,11 | - | 35,0 | 21,0 | 31,0 | 30,0 | 40,0 | - | - | - | - | 10,0 | |
| PMAT quoteY AT10/18 | 18 | 1 | 60,0 | 57,3 | 55,48 | - | 40,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/19 | 19 | 1 | 66,0 | 60,48 | 58,66 | - | 44,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/20 | 20 | 1 | 66,0 | 63,66 | 61,84 | - | 46,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/22 | 22 | 1 | 75,0 | 70,03 | 68,21 | - | 52,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/24 | 24 | 1 | 83,0 | 76,39 | 74,57 | - | 58,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/25 | 25 | 1 | 83,0 | 79,58 | 77,76 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/26 | 26 | 1 | 87,0 | 82,76 | 80,94 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/27 | 27 | 1 | 91,0 | 85,94 | 84,12 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/28 | 28 | 1 | 93,0 | 89,13 | 87,31 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/30 | 30 | 1 | 97,0 | 95,49 | 93,67 | - | 60,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/32 | 32 | 1 | 106,0 | 101,86 | 100,04 | - | 65,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/36 | 36 | 1 | 119,0 | 114,59 | 112,77 | - | 70,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/40 | 40 | 1 | 131,0 | 127,32 | 125,50 | - | 80,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/44 | 44 | 3A | - | 140,06 | 138,24 | 118,0 | 88,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/48 | 48 | 3A | - | 152,79 | 150,97 | 130,0 | 95,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |
| PMAT quoteY AT10/60 | 60 | 3A | - | 190,99 | 189,17 | 165,0 | 110,0 | 21,0 | 31,0 | 30,0 | 40,0 | 37,0 | 47,0 | 56,0 | 66,0 | 10,0 | |

Dimensions of timing pulleys METRIC PITCH “AT” - solid hub

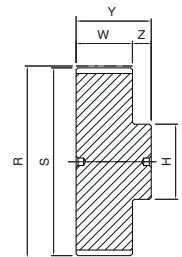


AT 20

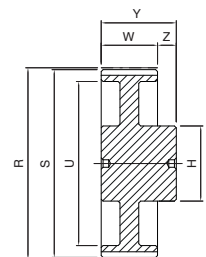
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d Ø | Belt width | | | | | | | | | Material |
|---------------------|-----------|------|--------|--------|--------|--------|--------|------|------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | | 32 mm | | | 50 mm | | | 100 mm | | | |
| | | | | | | | | | W [mm] | Y [mm] | Z [mm] | W [mm] | Y [mm] | Z [mm] | W [mm] | Y [mm] | Z [mm] | |
| PMAT quoteY AT20/18 | 18 | 1 | 118,0 | 114,59 | 111,77 | - | 80,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | on request |
| PMAT quoteY AT20/20 | 20 | 1 | 134,0 | 127,32 | 124,50 | - | 90,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/22 | 22 | 1 | 150,0 | 140,06 | 137,24 | - | 90,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/24 | 24 | 1 | 158,0 | 152,79 | 149,97 | - | 95,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/25 | 25 | 1 | 166,0 | 159,15 | 156,33 | - | 95,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/30 | 30 | 1 | 200,0 | 190,99 | 188,17 | - | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/32 | 32 | 1A | - | 203,72 | 200,90 | - | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/36 | 36 | 1A | - | 229,18 | 226,36 | - | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/40 | 40 | 3A | - | 254,65 | 251,83 | 210,0 | 110,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/48 | 48 | 3A | - | 305,58 | 302,76 | 260,0 | 130,0 | - | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/60 | 60 | 3A | - | 381,97 | 379,15 | 338,0 | 130,0 | 22,0 | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |
| PMAT quoteY AT20/72 | 72 | 3A | - | 458,37 | 455,55 | 415,0 | 140,0 | 22,0 | 42,0 | 53,0 | 11,0 | 60,0 | 71,0 | 11,0 | 110,0 | 123,0 | 13,0 | |



1



1A



3A

SIT timing pulleys - TOP DRIVE® HTD

TOP DRIVE® HTD pulleys have a different design from the traditional toothed pulleys.

The axial grooves are designed to allow the belt teeth to catch the pulley teeth with negligible friction.

TOP DRIVE® HTD pulleys are available with full hub and for assembly with SER-SIT® taper bushing.

Solid hub

Material: aluminum/cast iron/steel.

Finishing: protective surface treatment.

Pitch:

- 3M
- 5M
- 8M
- 14M

**For mounting taper bushing SER-SIT®**

Material: cast iron/steel.

Finishing: protective surface treatment.

Pitch:

- 5M
- 8M
- 14M

**Special executions**

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

$$\text{peripheral speed [m/s]} = \frac{\text{pulley diameter [mm]} \cdot \text{rpm}}{19100}$$

In order to reduce the system weight, the pulleys can be manufactured from light metals; in this case the lifetime will be reduced when compared to the standard because the nylon belt coating has a slightly abrasive effect. This disadvantage can be reduced with a high thickness anodization coating of the teeth.

Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.

Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.

In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal one, both pulleys have to be flanged.

TOLERANCES**Pulley diameter tolerances**

| External Diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 25,4 | -0,00 +0,05 |
| from 25,5 to 50,8 | -0,00 +0,08 |
| from 50,9 to 101,6 | -0,00 +0,10 |
| from 101,7 to 177,8 | -0,00 +0,13 |
| from 177,9 to 304,8 | -0,00 +0,15 |
| from 304,9 to 508,0 | -0,00 +0,18 |
| more than 508,1 | -0,00 +0,25 |

Radial circular runout

| External Diameter [mm] | Measured total eccentricity [mm] |
|------------------------|-------------------------------------|
| up to 200 | 0,13 |
| more than 200 | add 0,0005 for any mm more than 200 |

Cylindricity tolerance

| Pulley width | Tolerances |
|----------------|---|
| for any 100 mm | 0,1 mm without exceeding the external diameter tolerance |

Protective coating

All (steel and cast iron) pulleys are treated with surface process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.

On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes. For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used. For confirmation of the material actually available, please contact customer service.

Dimensions of timing pulleys TOP DRIVE® HTD - solid hub pitches 3M - 5M - 8M - 14M

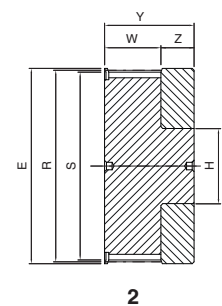
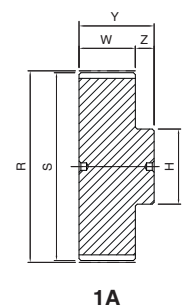
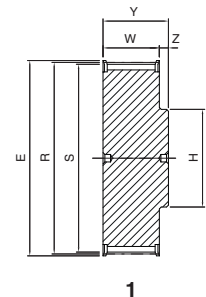


| | |
|--------------------------------|---------------------|
| Part Number | HD 48 -8M 20 |
| HTD timing pulleys - solid hub | |
| Number of teeth | |
| Pitch | |
| Belt width in mm | |

HD ... -3M09

3M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 10 - 3M 09 | 10 | 2 | 13,0 | 9,55 | 8,79 | 13,0 | 10,2 | 17,5 | 7,3 | with flanges | aluminum |
| HD 12 - 3M 09 | 12 | 2 | 15,0 | 11,46 | 10,70 | 15,0 | 10,2 | 17,5 | 7,3 | | |
| HD 14 - 3M 09 | 14 | 2 | 16,0 | 13,37 | 12,61 | 18,0 | 10,2 | 17,5 | 7,3 | | |
| HD 15 - 3M 09 | 15 | 2 | 17,5 | 14,32 | 13,56 | 18,0 | 10,2 | 17,5 | 7,3 | | |
| HD 16 - 3M 09 | 16 | 1 | 17,5 | 15,28 | 14,52 | 10,0 | 12,8 | 20,6 | 7,8 | | |
| HD 18 - 3M 09 | 18 | 1 | 20,0 | 17,19 | 16,43 | 10,0 | 12,8 | 20,6 | 7,8 | | |
| HD 20 - 3M 09 | 20 | 1 | 23,0 | 19,10 | 18,34 | 13,0 | 12,8 | 20,6 | 7,8 | | |
| HD 21 - 3M 09 | 21 | 1 | 25,0 | 20,05 | 19,29 | 13,0 | 12,8 | 20,6 | 7,8 | | |
| HD 22 - 3M 09 | 22 | 1 | 25,0 | 21,01 | 20,25 | 13,0 | 12,8 | 20,6 | 7,8 | | |
| HD 24 - 3M 09 | 24 | 1 | 25,0 | 22,92 | 22,16 | 14,0 | 12,8 | 20,6 | 7,8 | | |
| HD 26 - 3M 09 | 26 | 1 | 28,0 | 24,83 | 24,07 | 16,0 | 12,8 | 20,6 | 7,8 | | |
| HD 28 - 3M 09 | 28 | 1 | 32,0 | 26,74 | 25,98 | 18,0 | 12,8 | 20,6 | 7,8 | | |
| HD 30 - 3M 09 | 30 | 1 | 32,0 | 28,65 | 27,89 | 20,0 | 12,8 | 20,6 | 7,8 | | |
| HD 32 - 3M 09 | 32 | 1 | 36,0 | 30,56 | 29,80 | 22,0 | 12,8 | 20,6 | 7,8 | | |
| HD 36 - 3M 09 | 36 | 1 | 39,0 | 34,38 | 33,62 | 26,0 | 13,4 | 22,2 | 8,8 | | |
| HD 40 - 3M 09 | 40 | 1 | 42,0 | 38,20 | 37,44 | 28,0 | 13,4 | 22,2 | 8,8 | | |
| HD 44 - 3M 09 | 44 | 1 | 48,0 | 42,02 | 41,26 | 33,0 | 13,4 | 22,2 | 8,8 | | |
| HD 48 - 3M 09 | 48 | 1A | - | 45,84 | 45,08 | 33,0 | 13,4 | 22,2 | 8,8 | | |
| HD 60 - 3M 09 | 60 | 1A | - | 57,30 | 56,54 | 33,0 | 13,4 | 22,2 | 8,8 | | |
| HD 72 - 3M 09 | 72 | 1A | - | 68,75 | 67,99 | 33,0 | 13,4 | 22,2 | 8,8 | | |



HD ... -3M15

3M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 10 - 3M 15 | 10 | 2 | 13,0 | 9,55 | 8,79 | 13,0 | 17,0 | 26,0 | 9,0 | with flanges | aluminum |
| HD 12 - 3M 15 | 12 | 2 | 15,0 | 11,46 | 10,70 | 15,0 | 17,0 | 26,0 | 9,0 | | |
| HD 14 - 3M 15 | 14 | 2 | 16,0 | 13,37 | 12,61 | 18,0 | 17,0 | 26,0 | 9,0 | | |
| HD 15 - 3M 15 | 15 | 2 | 17,5 | 14,32 | 13,56 | 18,0 | 17,0 | 26,0 | 9,0 | | |
| HD 16 - 3M 15 | 16 | 1 | 17,5 | 15,28 | 14,52 | 10,0 | 19,5 | 26,0 | 6,5 | | |
| HD 18 - 3M 15 | 18 | 1 | 20,0 | 17,19 | 16,43 | 10,0 | 19,5 | 26,0 | 6,5 | | |
| HD 20 - 3M 15 | 20 | 1 | 23,0 | 19,10 | 18,34 | 13,0 | 19,5 | 26,0 | 6,5 | | |
| HD 21 - 3M 15 | 21 | 1 | 25,0 | 20,05 | 19,29 | 13,0 | 19,5 | 26,0 | 6,5 | | |
| HD 22 - 3M 15 | 22 | 1 | 25,0 | 21,01 | 20,25 | 13,0 | 19,5 | 26,0 | 6,5 | | |
| HD 24 - 3M 15 | 24 | 1 | 25,0 | 22,92 | 22,16 | 14,0 | 19,5 | 26,0 | 6,5 | | |
| HD 26 - 3M 15 | 26 | 1 | 28,0 | 24,83 | 24,07 | 16,0 | 19,5 | 26,0 | 6,5 | | |
| HD 28 - 3M 15 | 28 | 1 | 32,0 | 26,74 | 25,98 | 18,0 | 19,5 | 26,0 | 6,5 | | |
| HD 30 - 3M 15 | 30 | 1 | 32,0 | 28,65 | 27,89 | 20,0 | 19,5 | 26,0 | 6,5 | | |
| HD 32 - 3M 15 | 32 | 1 | 36,0 | 30,56 | 29,80 | 22,0 | 19,5 | 26,0 | 6,5 | | |
| HD 36 - 3M 15 | 36 | 1 | 39,0 | 34,38 | 33,62 | 26,0 | 20,0 | 30,0 | 10,0 | | |
| HD 40 - 3M 15 | 40 | 1 | 42,0 | 38,20 | 37,44 | 28,0 | 20,0 | 30,0 | 10,0 | | |
| HD 44 - 3M 15 | 44 | 1 | 48,0 | 42,02 | 41,26 | 33,0 | 20,0 | 30,0 | 10,0 | | |
| HD 48 - 3M 15 | 48 | 1A | - | 45,84 | 45,08 | 33,0 | 20,0 | 30,0 | 10,0 | | |
| HD 60 - 3M 15 | 60 | 1A | - | 57,30 | 56,54 | 33,0 | 20,0 | 30,0 | 10,0 | | |
| HD 72 - 3M 15 | 72 | 1A | - | 68,75 | 67,99 | 33,0 | 20,0 | 30,0 | 10,0 | | |

Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

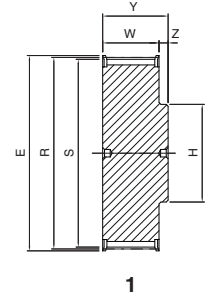


TIMING PULLEYS - HD

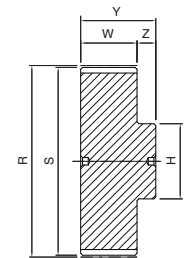
HD ... -5M09

5M

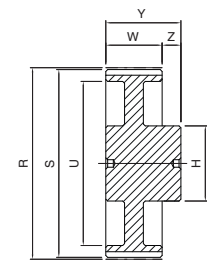
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 12 - 5M 09 | 12 | 1 | 23,0 | 19,10 | 17,96 | - | 12,0 | 14,5 | 20,0 | 5,5 | with flanges | steel |
| HD 14 - 5M 09 | 14 | 1 | 25,0 | 22,28 | 21,14 | - | 13,0 | 14,5 | 20,0 | 5,5 | | |
| HD 15 - 5M 09 | 15 | 1 | 28,0 | 23,87 | 22,73 | - | 16,0 | 14,5 | 20,0 | 5,5 | | |
| HD 16 - 5M 09 | 16 | 1 | 28,0 | 25,47 | 24,32 | - | 16,5 | 14,5 | 20,0 | 5,5 | | |
| HD 18 - 5M 09 | 18 | 1 | 32,0 | 28,65 | 27,51 | - | 20,0 | 14,5 | 20,0 | 5,5 | | |
| HD 20 - 5M 09 | 20 | 1 | 36,0 | 31,83 | 30,69 | - | 23,0 | 14,5 | 22,5 | 8,0 | | |
| HD 21 - 5M 09 | 21 | 1 | 38,0 | 33,42 | 32,28 | - | 24,0 | 14,5 | 22,5 | 8,0 | | |
| HD 22 - 5M 09 | 22 | 1 | 39,0 | 35,01 | 33,87 | - | 25,5 | 14,5 | 22,5 | 8,0 | | |
| HD 24 - 5M 09 | 24 | 1 | 42,0 | 38,19 | 37,06 | - | 27,0 | 14,5 | 22,5 | 8,0 | | |
| HD 26 - 5M 09 | 26 | 1 | 44,0 | 41,38 | 40,24 | - | 30,0 | 14,5 | 22,5 | 8,0 | | |
| HD 28 - 5M 09 | 28 | 1 | 48,0 | 44,56 | 43,42 | - | 30,5 | 14,5 | 22,5 | 8,0 | | |
| HD 30 - 5M 09 | 30 | 1 | 51,0 | 47,75 | 46,61 | - | 35,0 | 14,5 | 22,5 | 8,0 | | |
| HD 32 - 5M 09 | 32 | 1 | 54,0 | 50,93 | 49,79 | - | 38,0 | 14,5 | 22,5 | 8,0 | | |
| HD 36 - 5M 09 | 36 | 1 | 60,0 | 57,30 | 56,16 | - | 38,0 | 14,5 | 22,5 | 8,0 | | |
| HD 40 - 5M 09 | 40 | 1 | 71,0 | 63,66 | 62,52 | - | 38,0 | 14,5 | 22,5 | 8,0 | | |
| HD 44 - 5M 09 | 44 | 1A | - | 70,03 | 68,89 | - | 38,0 | 14,5 | 25,5 | 11,0 | | |
| HD 48 - 5M 09 | 48 | 1A | - | 76,39 | 75,25 | - | 45,0 | 14,5 | 25,5 | 11,0 | | |
| HD 60 - 5M 09 | 60 | 1A | - | 95,49 | 94,35 | - | 45,0 | 14,5 | 25,5 | 11,0 | | |
| HD 72 - 5M 09 | 72 | 3A | - | 114,59 | 113,45 | 90 | 45,0 | 14,5 | 25,5 | 11,0 | | |



1



1A



3A

HD ... -5M15

5M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 12 - 5M 15 | 12 | 1 | 23,0 | 19,10 | 17,96 | - | 12,0 | 20,5 | 26,0 | 5,5 | with flanges | steel |
| HD 14 - 5M 15 | 14 | 1 | 25,0 | 22,28 | 21,14 | - | 13,0 | 20,5 | 26,0 | 5,5 | | |
| HD 15 - 5M 15 | 15 | 1 | 28,0 | 23,87 | 22,73 | - | 16,0 | 20,5 | 26,0 | 5,5 | | |
| HD 16 - 5M 15 | 16 | 1 | 28,0 | 25,47 | 24,32 | - | 16,5 | 20,5 | 26,0 | 5,5 | | |
| HD 18 - 5M 15 | 18 | 1 | 32,0 | 28,65 | 27,51 | - | 20,0 | 20,5 | 26,0 | 5,5 | | |
| HD 20 - 5M 15 | 20 | 1 | 36,0 | 31,83 | 30,69 | - | 23,0 | 20,5 | 26,0 | 5,5 | | |
| HD 21 - 5M 15 | 21 | 1 | 38,0 | 33,42 | 32,28 | - | 24,0 | 20,5 | 26,0 | 5,5 | | |
| HD 22 - 5M 15 | 22 | 1 | 39,0 | 35,01 | 33,87 | - | 25,5 | 20,5 | 26,0 | 5,5 | | |
| HD 24 - 5M 15 | 24 | 1 | 42,0 | 38,19 | 37,06 | - | 27,0 | 20,5 | 28,0 | 7,5 | | |
| HD 26 - 5M 15 | 26 | 1 | 44,0 | 41,38 | 40,24 | - | 30,0 | 20,5 | 28,0 | 7,5 | | |
| HD 28 - 5M 15 | 28 | 1 | 48,0 | 44,56 | 43,42 | - | 30,5 | 20,5 | 28,0 | 7,5 | | |
| HD 30 - 5M 15 | 30 | 1 | 51,0 | 47,75 | 46,61 | - | 35,0 | 20,5 | 28,0 | 7,5 | | |
| HD 32 - 5M 15 | 32 | 1 | 54,0 | 50,93 | 49,79 | - | 38,0 | 20,5 | 28,0 | 7,5 | | |
| HD 36 - 5M 15 | 36 | 1 | 60,0 | 57,30 | 56,16 | - | 38,0 | 20,5 | 28,0 | 7,5 | | |
| HD 40 - 5M 15 | 40 | 1 | 71,0 | 63,66 | 62,52 | - | 38,0 | 20,5 | 28,0 | 7,5 | | |
| HD 44 - 5M 15 | 44 | 1A | - | 70,03 | 68,89 | - | 38,0 | 20,5 | 30,0 | 9,5 | | |
| HD 48 - 5M 15 | 48 | 1A | - | 76,39 | 75,25 | - | 45,0 | 20,5 | 30,0 | 9,5 | | |
| HD 60 - 5M 15 | 60 | 1A | - | 95,49 | 94,35 | - | 50,0 | 20,5 | 30,0 | 9,5 | | |
| HD 72 - 5M 15 | 72 | 3A | - | 114,59 | 113,45 | 90 | 50,0 | 20,5 | 30,0 | 9,5 | | |

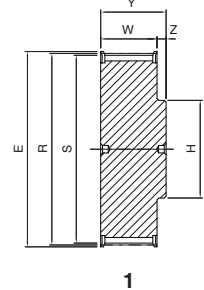
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



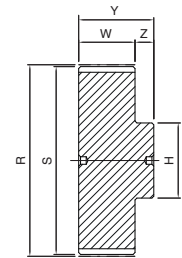
HD ... -5M25

5M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 12 - 5M 25 | 127 | 1 | 23,0 | 19,10 | 17,96 | - | 12,0 | 30,0 | 36,0 | 6,0 | with flanges | steel |
| HD 14 - 5M 25 | 14 | 1 | 25,0 | 22,28 | 21,14 | - | 13,0 | 30,0 | 36,0 | 6,0 | | |
| HD 15 - 5M 25 | 15 | 1 | 28,0 | 23,87 | 22,73 | - | 16,0 | 30,0 | 36,0 | 6,0 | | |
| HD 16 - 5M 25 | 16 | 1 | 28,0 | 25,47 | 24,32 | - | 16,5 | 30,0 | 36,0 | 6,0 | | |
| HD 18 - 5M 25 | 18 | 1 | 32,0 | 28,65 | 27,51 | - | 20,0 | 30,0 | 36,0 | 6,0 | | |
| HD 20 - 5M 25 | 20 | 1 | 36,0 | 31,83 | 30,69 | - | 23,0 | 30,0 | 36,0 | 6,0 | | |
| HD 21 - 5M 25 | 21 | 1 | 38,0 | 33,42 | 32,28 | - | 24,0 | 30,0 | 38,0 | 8,0 | | |
| HD 22 - 5M 25 | 22 | 1 | 39,0 | 35,01 | 33,87 | - | 25,5 | 30,0 | 38,0 | 8,0 | | |
| HD 24 - 5M 25 | 24 | 1 | 42,0 | 38,19 | 37,06 | - | 27,0 | 30,0 | 38,0 | 8,0 | | |
| HD 26 - 5M 25 | 26 | 1 | 44,0 | 41,38 | 40,24 | - | 30,0 | 30,0 | 38,0 | 8,0 | | |
| HD 28 - 5M 25 | 28 | 1 | 48,0 | 44,56 | 43,42 | - | 30,5 | 30,0 | 38,0 | 8,0 | | |
| HD 30 - 5M 25 | 30 | 1 | 51,0 | 47,75 | 46,61 | - | 35,0 | 30,0 | 38,0 | 8,0 | | |
| HD 32 - 5M 25 | 32 | 1 | 54,0 | 50,93 | 49,79 | - | 38,0 | 30,0 | 38,0 | 8,0 | | |
| HD 36 - 5M 25 | 36 | 1 | 60,0 | 57,30 | 56,16 | - | 38,0 | 30,0 | 38,0 | 8,0 | | |
| HD 40 - 5M 25 | 40 | 1 | 71,0 | 63,66 | 62,52 | - | 38,0 | 30,0 | 38,0 | 8,0 | | |
| HD 44 - 5M 25 | 44 | 1A | - | 70,03 | 68,89 | - | 38,0 | 30,0 | 40,0 | 10,0 | | |
| HD 48 - 5M 25 | 48 | 1A | - | 76,39 | 75,25 | - | 45,0 | 30,0 | 40,0 | 10,0 | | |
| HD 60 - 5M 25 | 60 | 1A | - | 95,49 | 94,35 | - | 50,0 | 30,0 | 40,0 | 10,0 | | |
| HD 72 - 5M 25 | 72 | 3A | - | 114,59 | 113,45 | 90 | 50,0 | 30,0 | 40,0 | 10,0 | | |



1

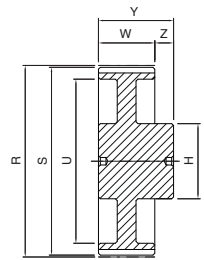


1A

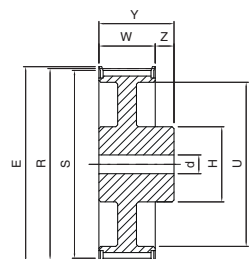
HD ... -8M20

8M

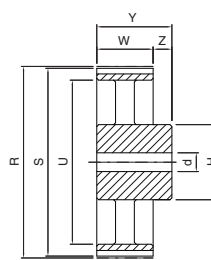
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 18 - 8M 20 | 18 | 1 | 51,0 | 45,84 | 44,46 | - | 32,0 | - | 28 | 38 | 10 | with flanges | steel |
| HD 20 - 8M 20 | 20 | 1 | 57,0 | 50,93 | 49,56 | - | 36,0 | - | 28 | 38 | 10 | | |
| HD 22 - 8M 20 | 22 | 1 | 60,0 | 56,02 | 54,65 | - | 43,0 | - | 28 | 38 | 10 | | |
| HD 24 - 8M 20 | 24 | 1 | 66,0 | 61,12 | 59,74 | - | 45,0 | - | 28 | 38 | 10 | | |
| HD 26 - 8M 20 | 26 | 1 | 70,0 | 66,21 | 64,84 | - | 48,0 | - | 28 | 38 | 10 | | |
| HD 28 - 8M 20 | 28 | 1 | 75,0 | 71,30 | 70,08 | - | 55,0 | - | 28 | 38 | 10 | | |
| HD 30 - 8M 20 | 30 | 1 | 83,0 | 76,39 | 75,13 | - | 60,0 | - | 28 | 38 | 10 | | |
| HD 32 - 8M 20 | 32 | 1 | 87,0 | 81,49 | 80,16 | - | 64,0 | - | 28 | 38 | 10 | | |
| HD 34 - 8M 20 | 34 | 1 | 91,0 | 86,58 | 85,21 | - | 70,0 | - | 28 | 38 | 10 | | |
| HD 36 - 8M 20 | 36 | 1 | 97,0 | 91,67 | 90,30 | - | 75,0 | - | 28 | 38 | 10 | | |
| HD 38 - 8M 20 | 38 | 1 | 102,0 | 96,77 | 95,39 | - | 80,0 | - | 28 | 38 | 10 | | |
| HD 40 - 8M 20 | 40 | 1 | 106,0 | 101,86 | 100,49 | - | 85,0 | - | 28 | 38 | 10 | | |
| HD 44 - 8M 20 | 44 | 1 | 120,0 | 112,05 | 110,67 | - | 96,0 | - | 28 | 38 | 10 | | |
| HD 48 - 8M 20 | 48 | 1 | 128,0 | 122,23 | 120,86 | - | 104,0 | - | 28 | 38 | 10 | | |
| HD 56 - 8M 20 | 56 | 5 | 150,0 | 142,60 | 141,23 | 117 | 80,0 | 12 | 28 | 38 | 10 | | |
| HD 60 - 8M 20 | 60 | 5 | 158,0 | 152,79 | 151,42 | 127 | 80,0 | 12 | 28 | 38 | 10 | | |
| HD 64 - 8M 20 | 64 | 5 | 168,0 | 162,97 | 161,60 | 137 | 80,0 | 12 | 28 | 38 | 10 | | |
| HD 72 - 8M 20 | 72 | 5 | 192,0 | 183,35 | 181,97 | 158 | 80,0 | 12 | 28 | 38 | 10 | | |
| HD 80 - 8M 20 | 80 | 5A | - | 203,72 | 202,35 | 179 | 90,0 | 12 | 28 | 38 | 10 | | |
| HD 84 - 8M 20 | 84 | 5A | - | 213,90 | 212,53 | 190 | 90,0 | 12 | 28 | 38 | 10 | | |
| HD 90 - 8M 20 | 90 | 5A | - | 229,18 | 227,81 | 204 | 90,0 | 12 | 28 | 38 | 10 | | |
| HD 112 - 8M 20 | 112 | 5B | - | 285,21 | 283,83 | 260 | 90,0 | 18 | 28 | 38 | 10 | | |
| HD 144 - 8M 20 | 144 | 5B | - | 366,69 | 365,32 | 342 | 90,0 | 20 | 28 | 38 | 10 | | |
| HD 168 - 8M 20 | 168 | 5B | - | 427,80 | 426,44 | 403 | 100,0 | 20 | 28 | 38 | 10 | | |
| HD 192 - 8M 20 | 192 | 5B | - | 488,92 | 487,54 | 465 | 100,0 | 20 | 28 | 38 | 10 | | |



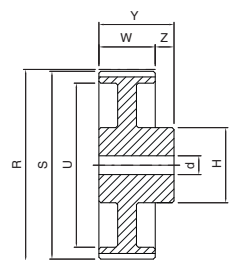
3A



5



5B



5A

Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

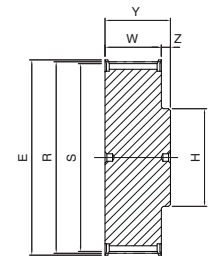


TIMING PULLEYS - HD

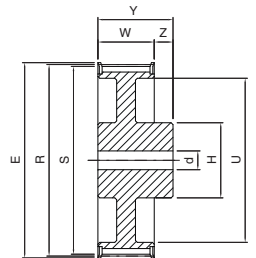
HD ... -8M30

8M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 18 - 8M 30 | 18 | 1 | 51,0 | 45,84 | 44,46 | - | 32,0 | - | 38 | 48 | 10 | with flanges | steel |
| HD 20 - 8M 30 | 20 | 1 | 57,0 | 50,93 | 49,56 | - | 36,0 | - | 38 | 48 | 10 | | |
| HD 22 - 8M 30 | 22 | 1 | 60,0 | 56,02 | 54,65 | - | 43,0 | - | 38 | 48 | 10 | | |
| HD 24 - 8M 30 | 24 | 1 | 66,0 | 61,12 | 59,74 | - | 45,0 | - | 38 | 48 | 10 | | |
| HD 26 - 8M 30 | 26 | 1 | 70,0 | 66,21 | 64,84 | - | 48,0 | - | 38 | 48 | 10 | | |
| HD 28 - 8M 30 | 28 | 1 | 75,0 | 71,30 | 70,08 | - | 55,0 | - | 38 | 48 | 10 | | |
| HD 30 - 8M 30 | 30 | 1 | 83,0 | 76,39 | 75,13 | - | 60,0 | - | 38 | 48 | 10 | | |
| HD 32 - 8M 30 | 32 | 1 | 87,0 | 81,49 | 80,16 | - | 64,0 | - | 38 | 48 | 10 | | |
| HD 34 - 8M 30 | 34 | 1 | 91,0 | 86,58 | 85,21 | - | 70,0 | - | 38 | 48 | 10 | | |
| HD 36 - 8M 30 | 36 | 1 | 97,0 | 91,67 | 90,30 | - | 75,0 | - | 38 | 48 | 10 | | |
| HD 38 - 8M 30 | 38 | 1 | 102,0 | 96,77 | 95,39 | - | 80,0 | - | 38 | 48 | 10 | | |
| HD 40 - 8M 30 | 40 | 1 | 106,0 | 101,86 | 100,49 | - | 85,0 | - | 38 | 48 | 10 | | |
| HD 44 - 8M 30 | 44 | 1 | 120,0 | 112,05 | 110,67 | - | 96,0 | - | 38 | 48 | 10 | | |
| HD 48 - 8M 30 | 48 | 1 | 128,0 | 122,23 | 120,86 | - | 104,0 | - | 38 | 48 | 10 | | |
| HD 56 - 8M 30 | 56 | 5 | 150,0 | 142,60 | 141,23 | 117 | 90,0 | 12 | 38 | 48 | 10 | | |
| HD 60 - 8M 30 | 60 | 5 | 158,0 | 152,79 | 151,42 | 127 | 90,0 | 12 | 38 | 48 | 10 | | |
| HD 64 - 8M 30 | 64 | 5 | 168,0 | 162,97 | 161,60 | 137 | 90,0 | 12 | 38 | 48 | 10 | | |
| HD 72 - 8M 30 | 72 | 5 | 192,0 | 183,35 | 181,97 | 158 | 95,0 | 12 | 38 | 48 | 10 | | |
| HD 80 - 8M 30 | 80 | 5A | - | 203,72 | 202,35 | 179 | 100,0 | 12 | 38 | 48 | 10 | | |
| HD 84 - 8M 30 | 84 | 5A | - | 213,90 | 212,53 | 190 | 100,0 | 12 | 38 | 48 | 10 | | |
| HD 90 - 8M 30 | 90 | 5A | - | 229,18 | 227,81 | 204 | 100,0 | 12 | 38 | 48 | 10 | | |
| HD 112 - 8M 30 | 112 | 5B | - | 285,21 | 283,83 | 260 | 100,0 | 18 | 38 | 48 | 10 | | |
| HD 144 - 8M 30 | 144 | 5B | - | 366,69 | 365,32 | 342 | 100,0 | 20 | 38 | 48 | 10 | | |
| HD 168 - 8M 30 | 168 | 5B | - | 427,80 | 426,44 | 403 | 100,0 | 20 | 38 | 48 | 10 | | |
| HD 192 - 8M 30 | 192 | 5B | - | 488,92 | 487,54 | 465 | 100,0 | 20 | 38 | 48 | 10 | | |



1

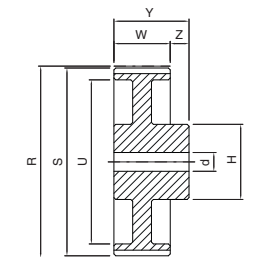


5

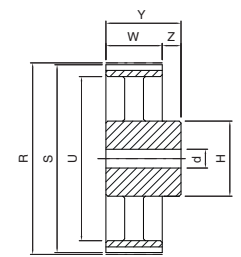
HD ... -8M50

8M

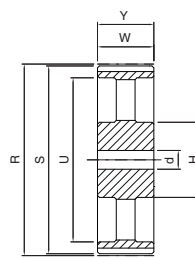
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 18 - 8M 50 | 18 | 1 | 51,0 | 45,84 | 44,46 | - | 32,0 | - | 60 | 70 | 10 | with flanges | steel |
| HD 20 - 8M 50 | 20 | 1 | 57,0 | 50,93 | 49,56 | - | 36,0 | - | 60 | 70 | 10 | | |
| HD 22 - 8M 50 | 22 | 1 | 60,0 | 56,02 | 54,65 | - | 43,0 | - | 60 | 70 | 10 | | |
| HD 24 - 8M 50 | 24 | 1 | 66,0 | 61,12 | 59,74 | - | 49,0 | - | 60 | 70 | 10 | | |
| HD 26 - 8M 50 | 26 | 1 | 70,0 | 66,21 | 64,84 | - | 50,0 | - | 60 | 70 | 10 | | |
| HD 28 - 8M 50 | 28 | 1 | 75,0 | 71,30 | 70,08 | - | 55,0 | - | 60 | 70 | 10 | | |
| HD 30 - 8M 50 | 30 | 1 | 83,0 | 76,39 | 75,13 | - | 60,0 | - | 60 | 70 | 10 | | |
| HD 32 - 8M 50 | 32 | 1 | 87,0 | 81,49 | 80,16 | - | 64,0 | - | 60 | 70 | 10 | | |
| HD 34 - 8M 50 | 34 | 1 | 91,0 | 86,58 | 85,21 | - | 70,0 | - | 60 | 70 | 10 | | |
| HD 36 - 8M 50 | 36 | 1 | 97,0 | 91,67 | 90,30 | - | 75,0 | - | 60 | 70 | 10 | | |
| HD 38 - 8M 50 | 38 | 1 | 102,0 | 96,77 | 95,39 | - | 80,0 | - | 60 | 70 | 10 | | |
| HD 40 - 8M 50 | 40 | 1 | 106,0 | 101,86 | 100,49 | - | 85,0 | - | 60 | 70 | 10 | | |
| HD 44 - 8M 50 | 44 | 1 | 120,0 | 112,05 | 110,67 | - | 96,0 | - | 60 | 70 | 10 | | |
| HD 48 - 8M 50 | 48 | 1 | 128,0 | 122,23 | 120,86 | - | 104,0 | - | 60 | 70 | 10 | | |
| HD 56 - 8M 50 | 56 | 7 | 150,0 | 142,60 | 141,23 | 117 | 90,0 | 18 | 60 | 60 | - | | |
| HD 60 - 8M 50 | 60 | 7 | 158,0 | 152,79 | 151,42 | 127 | 100,0 | 18 | 60 | 60 | - | | |
| HD 64 - 8M 50 | 64 | 7 | 168,0 | 162,97 | 161,60 | 137 | 100,0 | 18 | 60 | 60 | - | | |
| HD 72 - 8M 50 | 72 | 7 | 192,0 | 183,35 | 181,97 | 158 | 100,0 | 18 | 60 | 60 | - | | |
| HD 80 - 8M 50 | 80 | 7A | - | 203,72 | 202,35 | 179 | 110,0 | 18 | 60 | 60 | - | | |
| HD 84 - 8M 50 | 84 | 7B | - | 213,90 | 212,53 | 190 | 110,0 | 18 | 60 | 60 | - | | |
| HD 90 - 8M 50 | 90 | 7B | - | 229,18 | 227,81 | 204 | 110,0 | 18 | 60 | 60 | - | | |
| HD 112 - 8M 50 | 112 | 7B | - | 285,21 | 283,83 | 260 | 110,0 | 18 | 60 | 60 | - | | |
| HD 144 - 8M 50 | 144 | 7B | - | 366,69 | 365,32 | 342 | 110,0 | 20 | 60 | 60 | - | | |
| HD 168 - 8M 50 | 168 | 7B | - | 427,80 | 426,44 | 403 | 120,0 | 20 | 60 | 60 | - | | |
| HD 192 - 8M 50 | 192 | 7B | - | 488,92 | 487,54 | 465 | 130,0 | 20 | 60 | 60 | - | | |



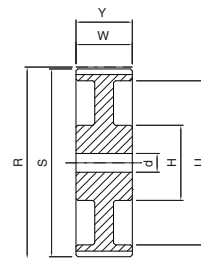
5A



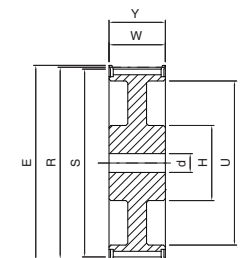
5B



7B



7A



7

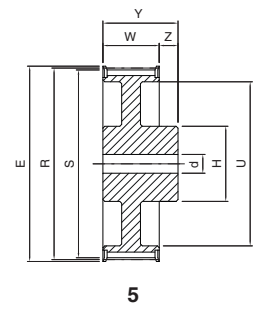
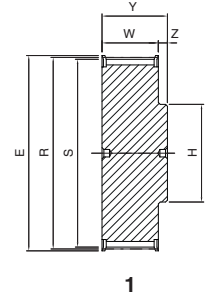
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



HD ... -8M85

8M

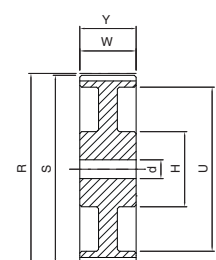
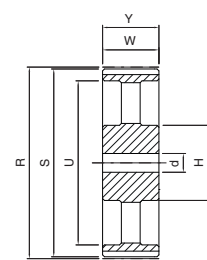
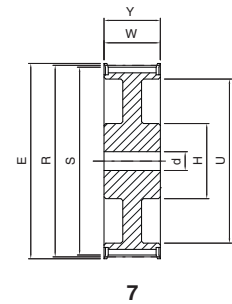
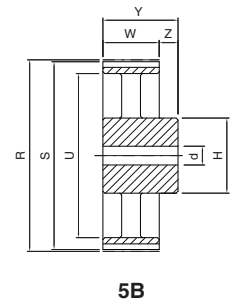
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HD 22 - 8M 85 | 22 | 1 | 60,0 | 56,02 | 54,65 | - | 43,0 | - | 95 | 105 | 10 | with flanges | steel |
| HD 24 - 8M 85 | 24 | 1 | 66,0 | 61,12 | 59,74 | - | 45,0 | - | 95 | 105 | 10 | | |
| HD 26 - 8M 85 | 26 | 1 | 70,0 | 66,21 | 64,84 | - | 48,0 | - | 95 | 105 | 10 | | |
| HD 28 - 8M 85 | 28 | 1 | 75,0 | 71,30 | 70,08 | - | 55,0 | - | 95 | 105 | 10 | | |
| HD 30 - 8M 85 | 30 | 1 | 83,0 | 76,39 | 75,13 | - | 60,0 | - | 95 | 105 | 10 | | |
| HD 32 - 8M 85 | 32 | 1 | 87,0 | 81,49 | 80,16 | - | 64,0 | - | 95 | 105 | 10 | | |
| HD 34 - 8M 85 | 34 | 1 | 91,0 | 86,58 | 85,21 | - | 70,0 | - | 95 | 105 | 10 | | |
| HD 36 - 8M 85 | 36 | 1 | 97,0 | 91,67 | 90,30 | - | 75,0 | - | 95 | 105 | 10 | | |
| HD 38 - 8M 85 | 38 | 1 | 102,0 | 96,77 | 95,39 | - | 80,0 | - | 95 | 105 | 10 | | |
| HD 40 - 8M 85 | 40 | 1 | 106,0 | 101,86 | 100,49 | - | 85,0 | - | 95 | 105 | 10 | | |
| HD 44 - 8M 85 | 44 | 1 | 120,0 | 112,05 | 110,67 | - | 96,0 | - | 95 | 105 | 10 | | |
| HD 48 - 8M 85 | 48 | 1 | 128,0 | 122,23 | 120,86 | - | 100,0 | - | 95 | 105 | 10 | | |
| HD 56 - 8M 85 | 56 | 1 | 150,0 | 142,60 | 141,23 | - | 107,0 | - | 95 | 105 | 10 | | |
| HD 60 - 8M 85 | 60 | 1 | 158,0 | 152,79 | 151,42 | - | 132,0 | - | 95 | 105 | 10 | | |
| HD 64 - 8M 85 | 64 | 7 | 168,0 | 162,97 | 161,60 | 137 | 100,0 | 18 | 95 | 95 | - | | |
| HD 72 - 8M 85 | 72 | 7 | 192,0 | 183,35 | 181,97 | 158 | 110,0 | 18 | 95 | 95 | - | | |
| HD 80 - 8M 85 | 80 | 7A | - | 203,72 | 202,35 | 179 | 110,0 | 20 | 95 | 95 | - | | |
| HD 84 - 8M 85 | 84 | 7A | - | 213,90 | 212,53 | 190 | 110,0 | 20 | 95 | 95 | - | | |
| HD 90 - 8M 85 | 90 | 7B | - | 229,18 | 227,81 | 204 | 110,0 | 20 | 95 | 95 | - | | |
| HD 112 - 8M 85 | 112 | 7B | - | 285,21 | 283,83 | 260 | 110,0 | 24 | 95 | 95 | - | | |
| HD 144 - 8M 85 | 144 | 7B | - | 366,69 | 365,32 | 342 | 120,0 | 24 | 95 | 95 | - | | |
| HD 168 - 8M 85 | 168 | 7B | - | 427,80 | 426,44 | 403 | 120,0 | 24 | 95 | 95 | - | | |
| HD 192 - 8M 85 | 192 | 7B | - | 488,92 | 487,54 | 465 | 130,0 | 24 | 95 | 95 | - | | |
| | | | | | | | | | | | | without flanges | cast iron |



HD ... -14M40

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HD 28 - 14M 40 | 28 | 1 | 128,0 | 124,78 | 122,12 | - | 100,0 | - | 54 | 69 | 15 | with flanges | steel |
| HD 29 - 14M 40 | 29 | 1 | 138,0 | 129,23 | 126,57 | - | 107,0 | - | 54 | 69 | 15 | | |
| HD 30 - 14M 40 | 30 | 1 | 138,0 | 133,69 | 130,99 | - | 107,0 | - | 54 | 69 | 15 | | |
| HD 32 - 14M 40 | 32 | 1 | 154,0 | 142,60 | 139,88 | - | 114,0 | - | 54 | 69 | 15 | | |
| HD 34 - 14M 40 | 34 | 1 | 160,0 | 151,51 | 148,79 | - | 122,0 | - | 54 | 69 | 15 | | |
| HD 36 - 14M 40 | 36 | 1 | 168,0 | 160,43 | 157,68 | - | 128,0 | - | 54 | 69 | 15 | | |
| HD 38 - 14M 40 | 38 | 1 | 183,0 | 169,34 | 166,60 | - | 141,0 | - | 54 | 69 | 15 | | |
| HD 40 - 14M 40 | 40 | 1 | 198,0 | 178,25 | 175,49 | - | 148,0 | - | 54 | 69 | 15 | | |
| HD 44 - 14M 40 | 44 | 5 | 211,0 | 196,08 | 193,28 | 154 | 120,0 | 24 | 54 | 69 | 15 | | |
| HD 48 - 14M 40 | 48 | 5 | 226,0 | 213,90 | 211,11 | 172 | 135,0 | 24 | 54 | 69 | 15 | | |
| HD 56 - 14M 40 | 56 | 5 | 256,0 | 249,55 | 246,76 | 207 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 60 - 14M 40 | 60 | 5 | 275,0 | 267,38 | 264,59 | 225 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 64 - 14M 40 | 64 | 5 | 296,0 | 285,21 | 282,41 | 243 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 72 - 14M 40 | 72 | 5B | - | 320,86 | 318,06 | 279 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 80 - 14M 40 | 80 | 5B | - | 356,51 | 353,71 | 314 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 84 - 14M 40 | 84 | 5B | - | 374,33 | 371,54 | 332 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 90 - 14M 40 | 90 | 5B | - | 401,07 | 398,28 | 359 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 112 - 14M 40 | 112 | 5B | - | 499,11 | 496,32 | 457 | 135,0 | 28 | 54 | 69 | 15 | | |
| HD 144 - 14M 40 | 144 | 5B | - | 641,71 | 638,92 | 600 | 135,0 | 28 | 54 | 69 | 15 | | |
| | | | | | | | | | | | | without flanges | cast iron |



Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

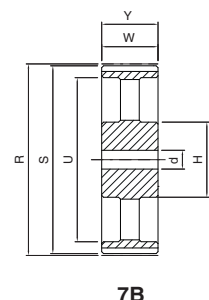
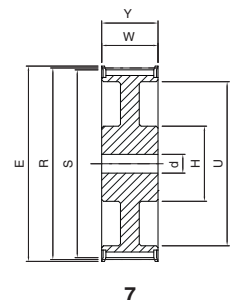
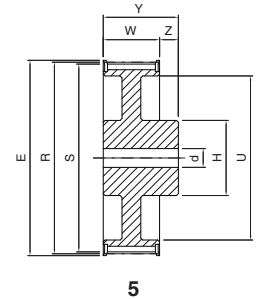
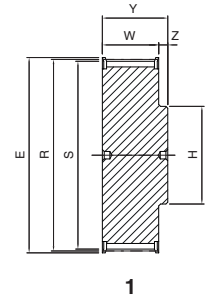


TIMING PULLEYS - HD

HD ... -14M55

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 28 - 14M 55 | 28 | 1 | 128,0 | 124,78 | 122,12 | - | 100,0 | - | 70 | 85 | 15 | with flanges | steel |
| HD 29 - 14M 55 | 29 | 1 | 138,0 | 129,23 | 126,57 | - | 107,0 | - | 70 | 85 | 15 | | |
| HD 30 - 14M 55 | 30 | 1 | 138,0 | 133,69 | 130,99 | - | 107,0 | - | 70 | 85 | 15 | | |
| HD 32 - 14M 55 | 32 | 1 | 154,0 | 142,60 | 139,88 | - | 114,0 | - | 70 | 85 | 15 | | |
| HD 34 - 14M 55 | 34 | 1 | 160,0 | 151,51 | 148,79 | - | 122,0 | - | 70 | 85 | 15 | | |
| HD 36 - 14M 55 | 36 | 1 | 168,0 | 160,43 | 157,68 | - | 128,0 | - | 70 | 85 | 15 | | |
| HD 38 - 14M 55 | 38 | 1 | 183,0 | 169,34 | 166,60 | - | 141,0 | - | 70 | 85 | 15 | | |
| HD 40 - 14M 55 | 40 | 1 | 198,0 | 178,25 | 175,49 | - | 148,0 | - | 70 | 85 | 15 | | |
| HD 44 - 14M 55 | 44 | 5 | 211,0 | 196,08 | 193,28 | 154 | 120,0 | 24 | 70 | 85 | 15 | | |
| HD 48 - 14M 55 | 48 | 7 | 226,0 | 213,90 | 211,11 | 172 | 135,0 | 24 | 70 | 70 | - | | |
| HD 56 - 14M 55 | 56 | 7 | 256,0 | 249,55 | 246,76 | 207 | 135,0 | 28 | 70 | 70 | - | | |
| HD 60 - 14M 55 | 60 | 7 | 275,0 | 267,38 | 264,59 | 225 | 135,0 | 28 | 70 | 70 | - | | |
| HD 64 - 14M 55 | 64 | 7 | 296,0 | 285,21 | 282,41 | 243 | 135,0 | 28 | 70 | 70 | - | | |
| HD 72 - 14M 55 | 72 | 7B | - | 320,86 | 318,06 | 279 | 135,0 | 28 | 70 | 70 | - | | |
| HD 80 - 14M 55 | 80 | 7B | - | 356,51 | 353,71 | 314 | 135,0 | 28 | 70 | 70 | - | | |
| HD 84 - 14M 55 | 84 | 7B | - | 374,33 | 371,54 | 332 | 135,0 | 28 | 70 | 70 | - | | |
| HD 90 - 14M 55 | 90 | 7B | - | 401,07 | 398,28 | 359 | 135,0 | 28 | 70 | 70 | - | | |
| HD 112 - 14M 55 | 112 | 7B | - | 499,11 | 496,32 | 457 | 135,0 | 28 | 70 | 70 | - | | |
| HD 144 - 14M 55 | 144 | 7B | - | 641,71 | 638,92 | 600 | 135,0 | 28 | 70 | 70 | - | | |



HD ... -14M85

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 28 - 14M 85 | 28 | 1 | 128,0 | 124,78 | 122,12 | - | 100,0 | - | 102 | 117 | 15 | with flanges | steel |
| HD 29 - 14M 85 | 29 | 1 | 138,0 | 129,23 | 126,57 | - | 107,0 | - | 102 | 117 | 15 | | |
| HD 30 - 14M 85 | 30 | 1 | 138,0 | 133,69 | 130,99 | - | 107,0 | - | 102 | 117 | 15 | | |
| HD 32 - 14M 85 | 32 | 1 | 154,0 | 142,60 | 139,88 | - | 114,0 | - | 102 | 117 | 15 | | |
| HD 34 - 14M 85 | 34 | 1 | 160,0 | 151,51 | 148,79 | - | 122,0 | - | 102 | 117 | 15 | | |
| HD 36 - 14M 85 | 36 | 1 | 168,0 | 160,43 | 157,68 | - | 128,0 | - | 102 | 117 | 15 | | |
| HD 38 - 14M 85 | 38 | 1 | 183,0 | 169,34 | 166,60 | - | 141,0 | - | 102 | 117 | 15 | | |
| HD 40 - 14M 85 | 40 | 1 | 198,0 | 178,25 | 175,49 | - | 148,0 | - | 102 | 117 | 15 | | |
| HD 44 - 14M 85 | 44 | 1 | 211,0 | 196,08 | 193,28 | - | 169,0 | - | 102 | 117 | 15 | | |
| HD 48 - 14M 85 | 48 | 1 | 226,0 | 213,90 | 211,11 | - | 186,0 | - | 102 | 117 | 15 | | |
| HD 56 - 14M 85 | 56 | 7 | 256,0 | 249,55 | 246,76 | 207 | 150,0 | 32 | 102 | 102 | - | | |
| HD 60 - 14M 85 | 60 | 7 | 275,0 | 267,38 | 264,59 | 225 | 150,0 | 32 | 102 | 102 | - | | |
| HD 64 - 14M 85 | 64 | 7 | 296,0 | 285,21 | 282,41 | 243 | 150,0 | 32 | 102 | 102 | - | | |
| HD 72 - 14M 85 | 72 | 7B | - | 320,86 | 318,06 | 279 | 150,0 | 32 | 102 | 102 | - | | |
| HD 80 - 14M 85 | 80 | 7B | - | 356,51 | 353,71 | 314 | 150,0 | 32 | 102 | 102 | - | | |
| HD 84 - 14M 85 | 84 | 7B | - | 374,33 | 371,54 | 332 | 150,0 | 32 | 102 | 102 | - | | |
| HD 90 - 14M 85 | 90 | 7B | - | 401,07 | 398,28 | 359 | 150,0 | 32 | 102 | 102 | - | | |
| HD 112 - 14M 85 | 112 | 7B | - | 499,11 | 496,32 | 457 | 150,0 | 32 | 102 | 102 | - | | |
| HD 144 - 14M 85 | 144 | 7B | - | 641,71 | 638,92 | 600 | 150,0 | 32 | 102 | 102 | - | | |

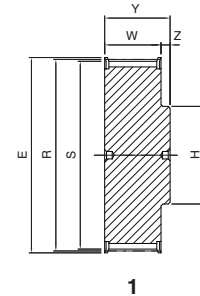
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



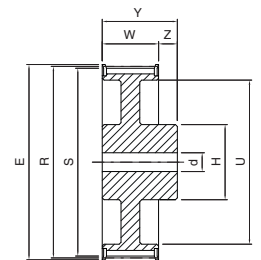
HD ... -14M115

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 28 - 14M 115 | 28 | 1 | 128,0 | 124,78 | 122,12 | - | 100,0 | - | 133 | 148 | 15 | with flanges | steel |
| HD 29 - 14M 115 | 29 | 1 | 138,0 | 129,23 | 126,57 | - | 107,0 | - | 133 | 148 | 15 | | |
| HD 30 - 14M 115 | 30 | 1 | 138,0 | 133,69 | 130,99 | - | 107,0 | - | 133 | 148 | 15 | | |
| HD 32 - 14M 115 | 32 | 1 | 154,0 | 142,60 | 139,88 | - | 114,0 | - | 133 | 148 | 15 | | |
| HD 34 - 14M 115 | 34 | 1 | 160,0 | 151,51 | 148,79 | - | 122,0 | - | 133 | 148 | 15 | | |
| HD 36 - 14M 115 | 36 | 1 | 168,0 | 160,43 | 157,68 | - | 128,0 | - | 133 | 148 | 15 | | |
| HD 38 - 14M 115 | 38 | 1 | 183,0 | 169,34 | 166,60 | - | 141,0 | - | 133 | 148 | 15 | | |
| HD 40 - 14M 115 | 40 | 1 | 198,0 | 178,25 | 175,49 | - | 148,0 | - | 133 | 148 | 15 | | |
| HD 44 - 14M 115 | 44 | 1 | 211,0 | 196,08 | 193,28 | - | 169,0 | - | 133 | 148 | 15 | | |
| HD 48 - 14M 115 | 48 | 1 | 226,0 | 213,90 | 211,11 | - | 186,0 | - | 133 | 148 | 15 | | |
| HD 56 - 14M 115 | 56 | 5 | 256,0 | 249,55 | 246,76 | 207 | 150,0 | 32 | 133 | 148 | 15 | | |
| HD 60 - 14M 115 | 60 | 7 | 290,0 | 267,38 | 264,59 | 225 | 150,0 | 32 | 133 | 133 | - | | |
| HD 64 - 14M 115 | 64 | 7 | 296,0 | 285,21 | 282,41 | 243 | 150,0 | 32 | 133 | 133 | - | | |
| HD 72 - 14M 115 | 72 | 7B | - | 320,86 | 318,06 | 279 | 150,0 | 32 | 133 | 133 | - | | |
| HD 80 - 14M 115 | 80 | 7B | - | 356,51 | 353,71 | 314 | 150,0 | 32 | 133 | 133 | - | | |
| HD 84 - 14M 115 | 84 | 7B | - | 374,33 | 371,54 | 332 | 150,0 | 32 | 133 | 133 | - | | |
| HD 90 - 14M 115 | 90 | 7B | - | 401,07 | 398,28 | 359 | 150,0 | 32 | 133 | 133 | - | | |
| HD 112 - 14M 115 | 112 | 7B | - | 499,11 | 496,32 | 457 | 150,0 | 32 | 133 | 133 | - | | |
| HD 144 - 14M 115 | 144 | 7B | - | 641,71 | 638,92 | 600 | 150,0 | 32 | 133 | 133 | - | | |



1

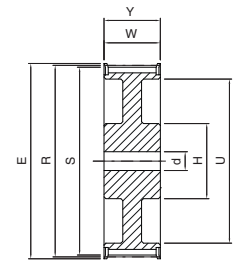


5

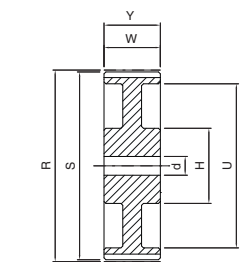
HD ... -14M170

14M

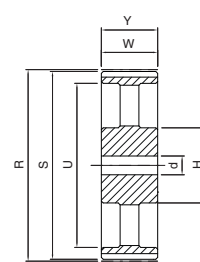
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 28 - 14M 170 | 28 | 1 | 128,0 | 124,78 | 122,12 | - | 100,0 | - | 187 | 202 | 15 | with flanges | steel |
| HD 29 - 14M 170 | 29 | 1 | 138,0 | 129,23 | 126,57 | - | 107,0 | - | 187 | 202 | 15 | | |
| HD 30 - 14M 170 | 30 | 1 | 138,0 | 133,69 | 130,99 | - | 107,0 | - | 187 | 202 | 15 | | |
| HD 32 - 14M 170 | 32 | 1 | 154,0 | 142,60 | 139,88 | - | 114,0 | - | 187 | 202 | 15 | | |
| HD 34 - 14M 170 | 34 | 1 | 160,0 | 151,51 | 148,79 | - | 122,0 | - | 187 | 202 | 15 | | |
| HD 36 - 14M 170 | 36 | 1 | 168,0 | 160,43 | 157,68 | - | 128,0 | - | 187 | 202 | 15 | | |
| HD 38 - 14M 170 | 38 | 1 | 183,0 | 169,34 | 166,60 | - | 141,0 | - | 187 | 202 | 15 | | |
| HD 40 - 14M 170 | 40 | 1 | 198,0 | 178,25 | 175,49 | - | 148,0 | - | 187 | 202 | 15 | | |
| HD 44 - 14M 170 | 44 | 1 | 211,0 | 196,08 | 193,28 | - | 169,0 | - | 187 | 202 | 15 | | |
| HD 48 - 14M 170 | 48 | 1 | 226,0 | 213,90 | 211,11 | - | 186,0 | - | 187 | 202 | 15 | | |
| HD 56 - 14M 170 | 56 | 5 | 256,0 | 249,55 | 246,76 | 207 | 160,0 | 32 | 187 | 202 | 15 | | |
| HD 60 - 14M 170 | 60 | 5 | 290,0 | 267,38 | 264,59 | 225 | 160,0 | 32 | 187 | 202 | 15 | | |
| HD 64 - 14M 170 | 64 | 5 | 296,0 | 285,21 | 282,41 | 243 | 180,0 | 32 | 187 | 202 | 15 | | |
| HD 72 - 14M 170 | 72 | 7A | - | 320,86 | 318,06 | 279 | 180,0 | 32 | 187 | 187 | - | | |
| HD 80 - 14M 170 | 80 | 7A | - | 356,51 | 353,71 | 314 | 180,0 | 32 | 187 | 187 | - | | |
| HD 84 - 14M 170 | 84 | 7B | - | 374,33 | 371,54 | 332 | 180,0 | 32 | 187 | 187 | - | | |
| HD 90 - 14M 170 | 90 | 7B | - | 401,07 | 398,28 | 359 | 180,0 | 32 | 187 | 187 | - | | |
| HD 112 - 14M 170 | 112 | 7B | - | 499,11 | 496,32 | 456 | 200,0 | 32 | 187 | 187 | - | | |
| HD 144 - 14M 170 | 144 | 7B | - | 641,71 | 638,92 | 600 | 220,0 | 32 | 187 | 187 | - | | |



7



7A



7B

Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT® pitches 5M - 8M - 14M



TIMING PULLEYS - HDB

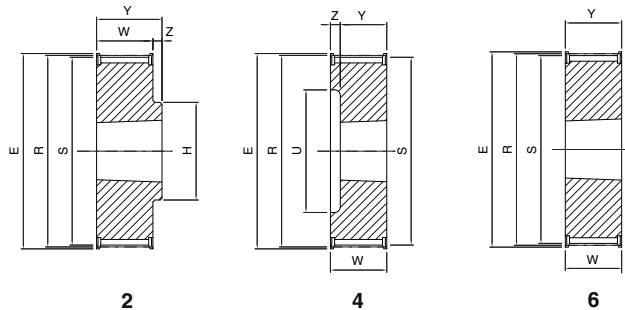
Part Number **HDB 32 - 8M 20**

HTD pulley - mounting taper bushing

Number of teeth

Pitch

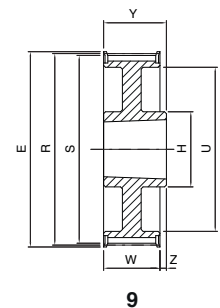
Belt width in mm



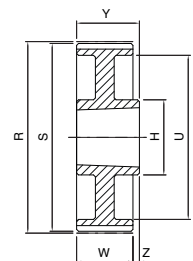
HDB ... -5M15

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HDB 34 - 5M 15 | 34 | 6 | 1008 | 57,0 | 54,11 | 52,97 | - | - | 22 | 22 | - | with flanges | steel |
| HDB 36 - 5M 15 | 36 | 6 | 1108 | 60,0 | 57,3 | 56,16 | - | - | 22 | 22 | - | | |
| HDB 38 - 5M 15 | 38 | 6 | 1108 | 66,5 | 60,48 | 59,34 | - | - | 22 | 22 | - | | |
| HDB 40 - 5M 15 | 40 | 6 | 1108 | 71,0 | 63,66 | 62,52 | - | - | 22 | 22 | - | | |
| HDB 44 - 5M 15 | 44 | 6 | 1108 | 75,0 | 70,03 | 68,89 | - | - | 22 | 22 | - | | |
| HDB 48 - 5M 15 | 48 | 2 | 1210 | 83,0 | 76,39 | 75,25 | - | 62,0 | 20,5 | 25 | 4,5 | | |
| HDB 56 - 5M 15 | 56 | 2 | 1210 | 93,0 | 89,13 | 87,99 | - | 70,0 | 20,5 | 25 | 4,5 | | |
| HDB 64 - 5M 15 | 64 | 2 | 1210 | 106,0 | 101,86 | 100,72 | - | 80,0 | 20,5 | 25 | 4,5 | | |
| HDB 72 - 5M 15 | 72 | 2 | 1610 | 119,0 | 114,59 | 113,45 | - | 92,0 | 20,5 | 25 | 4,5 | | |
| HDB 80 - 5M 15 | 80 | 2 | 1610 | 135,0 | 127,32 | 126,18 | - | 92,0 | 20,5 | 25 | 4,5 | | |
| HDB 90 - 5M 15 | 90 | 11A | 1610 | - | 143,24 | 142,10 | 122 | 92,0 | 20,5 | 25 | 4,5 | without flanges | cast iron |
| HDB 112 - 5M 15 | 112 | 11A | 1610 | - | 178,25 | 177,11 | 157 | 110,0 | 20,5 | 25 | 4,5 | | |
| HDB 136 - 5M 15 | 136 | 11A | 2012 | - | 216,45 | 215,31 | 195 | 110,0 | 20,5 | 32 | 5,8 | | |
| HDB 150 - 5M 15 | 150 | 11A | 2012 | - | 238,73 | 237,59 | 217 | 110,0 | 20,5 | 32 | 5,8 | | |

5M



9

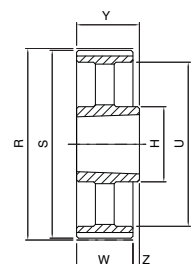


9A

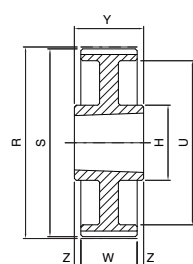
HDB ... -8M20

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HDB 22 - 8M 20 | 22 | 4 | 1008 | 60,0 | 56,02 | 54,65 | 38 | - | 28 | 22 | 6 | with flanges | steel |
| HDB 24 - 8M 20 | 24 | 4 | 1108 | 66,0 | 61,12 | 59,74 | 42 | - | 28 | 22 | 6 | | |
| HDB 26 - 8M 20 | 26 | 4 | 1108 | 70,0 | 66,21 | 64,84 | 45 | - | 28 | 22 | 6 | | |
| HDB 28 - 8M 20 | 28 | 4 | 1108 | 75,0 | 71,30 | 70,08 | 52 | - | 28 | 22 | 6 | | |
| HDB 30 - 8M 20 | 30 | 4 | 1108 | 83,0 | 76,39 | 75,13 | 56 | - | 28 | 22 | 6 | | |
| HDB 32 - 8M 20 | 32 | 4 | 1610 | 87,0 | 81,49 | 80,16 | 65 | - | 28 | 25 | 3 | | |
| HDB 34 - 8M 20 | 34 | 4 | 1610 | 91,0 | 86,58 | 85,21 | 66 | - | 28 | 25 | 3 | | |
| HDB 36 - 8M 20 | 36 | 4 | 1610 | 97,0 | 91,67 | 90,30 | 68 | - | 28 | 25 | 3 | | |
| HDB 38 - 8M 20 | 38 | 4 | 1610 | 102,0 | 96,77 | 95,39 | 76 | - | 28 | 25 | 3 | | |
| HDB 40 - 8M 20 | 40 | 4 | 1610 | 106,0 | 101,86 | 100,49 | 80 | - | 28 | 25 | 3 | | |
| HDB 44 - 8M 20 | 44 | 2 | 2012 | 120,0 | 112,05 | 110,67 | - | 93,0 | 28 | 32 | 4 | | |
| HDB 48 - 8M 20 | 48 | 2 | 2012 | 128,0 | 122,23 | 120,86 | - | 100,0 | 28 | 32 | 4 | | |
| HDB 56 - 8M 20 | 56 | 2 | 2012 | 150,0 | 142,60 | 141,23 | - | 110,0 | 28 | 32 | 4 | | |
| HDB 64 - 8M 20 | 64 | 9 | 2012 | 168,0 | 162,97 | 161,60 | 140 | 110,0 | 28 | 32 | 4 | | |
| HDB 72 - 8M 20 | 72 | 9 | 2012 | 192,0 | 183,35 | 181,97 | 158 | 110,0 | 28 | 32 | 4 | | |
| HDB 80 - 8M 20 | 80 | 9A | 2012 | - | 203,74 | 202,35 | 178 | 110,0 | 28 | 32 | 4 | without flanges | cast iron |
| HDB 90 - 8M 20 | 90 | 9B | 2012 | - | 229,18 | 227,81 | 204 | 110,0 | 28 | 32 | 4 | | |

8M



9B



11A

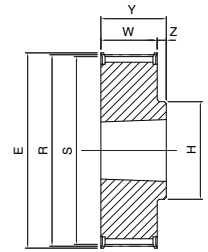
Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



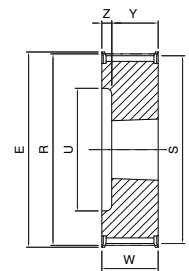
HDB ... -8M30

8M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HDB 22 - 8M 30 | 22 | 4 | 1008 | 60,0 | 56,02 | 54,65 | 38 | - | 38 | 22 | 16 | with flanges | steel |
| HDB 24 - 8M 30 | 24 | 4 | 1108 | 66,0 | 61,12 | 59,74 | 42 | - | 38 | 22 | 16 | | |
| HDB 26 - 8M 30 | 26 | 4 | 1108 | 70,0 | 66,21 | 64,84 | 45 | - | 38 | 22 | 16 | | |
| HDB 28 - 8M 30 | 28 | 4 | 1108 | 75,0 | 71,30 | 70,08 | 52 | - | 38 | 22 | 16 | | |
| HDB 30 - 8M 30 | 30 | 6 | 1615 | 83,0 | 76,39 | 75,13 | - | - | 38 | 38 | - | | |
| HDB 32 - 8M 30 | 32 | 6 | 1615 | 87,0 | 81,49 | 80,16 | - | - | 38 | 38 | - | | |
| HDB 34 - 8M 30 | 34 | 6 | 1615 | 91,0 | 86,58 | 85,21 | - | - | 38 | 38 | - | | |
| HDB 36 - 8M 30 | 36 | 6 | 1615 | 97,0 | 91,67 | 90,30 | - | - | 38 | 38 | - | | |
| HDB 38 - 8M 30 | 38 | 6 | 1615 | 102,0 | 96,77 | 95,39 | - | - | 38 | 38 | - | | |
| HDB 40 - 8M 30 | 40 | 6 | 1615 | 106,0 | 101,86 | 100,49 | - | - | 38 | 38 | - | | |
| HDB 44 - 8M 30 | 44 | 5 | 2012 | 120,0 | 112,05 | 110,67 | 90 | - | 38 | 32 | 3 | | |
| HDB 48 - 8M 30 | 48 | 5 | 2012 | 128,0 | 122,23 | 120,86 | 100 | - | 38 | 32 | 3 | | |
| HDB 56 - 8M 30 | 56 | 5 | 2012 | 150,0 | 142,60 | 141,23 | 118 | - | 38 | 32 | 3 | | |
| HDB 64 - 8M 30 | 64 | 2 | 2517 | 168,0 | 162,97 | 161,60 | 140 | 125,0 | 38 | 45 | 7 | | |
| HDB 72 - 8M 30 | 72 | 9 | 2517 | 192,0 | 183,35 | 181,97 | 158 | 125,0 | 38 | 45 | 7 | | |
| HDB 80 - 8M 30 | 80 | 9A | 2517 | - | 203,74 | 202,35 | 178 | 125,0 | 38 | 45 | 7 | | |
| HDB 90 - 8M 30 | 90 | 9B | 2517 | - | 229,18 | 227,81 | 204 | 120,0 | 38 | 45 | 7 | | |
| HDB 112 - 8M 30 | 112 | 9B | 2517 | - | 285,21 | 283,83 | 260 | 125,0 | 38 | 45 | 7 | | |
| HDB 144 - 8M 30 | 144 | 9B | 2517 | - | 366,69 | 365,32 | 341 | 125,0 | 38 | 45 | 7 | | |



2

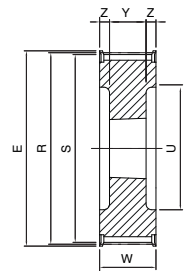


4

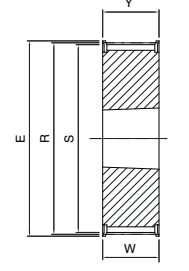
HDB ... -8M50

8M

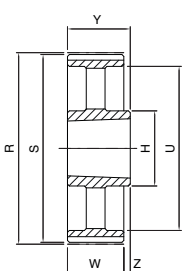
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HDB 28 - 8M 50 | 28 | 5 | 1108 | 75,0 | 71,30 | 70,08 | 52 | - | 60 | 22 | 19,0 | with flanges | steel |
| HDB 30 - 8M 50 | 30 | 4 | 1615 | 83,0 | 76,39 | 75,13 | 58 | - | 60 | 38 | 22,0 | | |
| HDB 32 - 8M 50 | 32 | 4 | 1615 | 87,0 | 81,49 | 80,16 | 60 | - | 60 | 38 | 22,0 | | |
| HDB 34 - 8M 50 | 34 | 4 | 1615 | 91,0 | 86,58 | 85,21 | 66 | - | 60 | 38 | 22,0 | | |
| HDB 36 - 8M 50 | 36 | 4 | 1615 | 97,0 | 91,67 | 90,30 | 68 | - | 60 | 38 | 22,0 | | |
| HDB 38 - 8M 50 | 38 | 4 | 1615 | 102,0 | 96,77 | 95,39 | 75 | - | 60 | 38 | 22,0 | | |
| HDB 40 - 8M 50 | 40 | 5 | 2012 | 106,0 | 101,86 | 100,49 | 80 | - | 60 | 32 | 14,0 | | |
| HDB 44 - 8M 50 | 44 | 5 | 2012 | 120,0 | 112,05 | 110,67 | 90 | - | 60 | 32 | 14,0 | | |
| HDB 48 - 8M 50 | 48 | 5 | 2012 | 128,0 | 122,23 | 120,86 | 100 | - | 60 | 32 | 14,0 | | |
| HDB 56 - 8M 50 | 56 | 5 | 2517 | 150,0 | 142,60 | 141,23 | 120 | - | 60 | 45 | 7,5 | | |
| HDB 64 - 8M 50 | 64 | 8 | 2517 | 168,0 | 162,97 | 161,60 | 138 | 120,0 | 60 | 45 | 7,5 | | |
| HDB 72 - 8M 50 | 72 | 8 | 2517 | 192,0 | 183,35 | 181,97 | 158 | 125,0 | 60 | 45 | 7,5 | | |
| HDB 80 - 8M 50 | 80 | 8A | 3020 | - | 203,74 | 202,35 | 178 | 160,0 | 60 | 51 | 4,5 | | |
| HDB 90 - 8M 50 | 90 | 8A | 3020 | - | 229,18 | 227,81 | 204 | 170,0 | 60 | 51 | 4,5 | | |
| HDB 112 - 8M 50 | 112 | 8B | 3020 | - | 285,21 | 283,83 | 260 | 170,0 | 60 | 51 | 4,5 | | |
| HDB 144 - 8M 50 | 144 | 8B | 3020 | - | 366,69 | 365,32 | 341 | 170,0 | 60 | 51 | 4,5 | | |
| HDB 168 - 8M 50 | 168 | 8B | 3020 | - | 427,80 | 426,42 | 402 | 198,0 | 60 | 51 | 4,5 | | |
| HDB 192 - 8M 50 | 192 | 8B | 3020 | - | 488,92 | 487,54 | 462 | 198,0 | 60 | 51 | 4,5 | | |



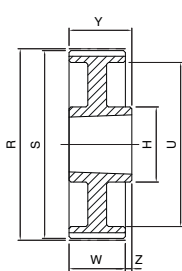
5



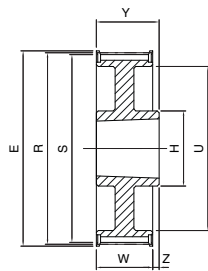
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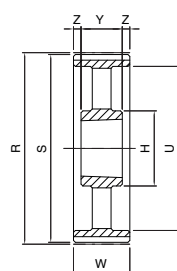
9B



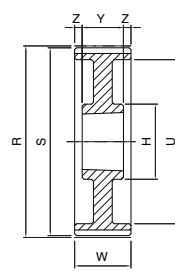
9A



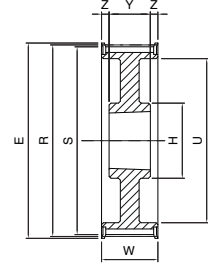
9



8B



8A



8

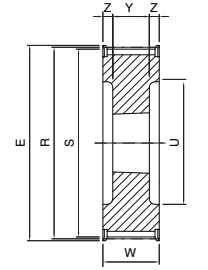
Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



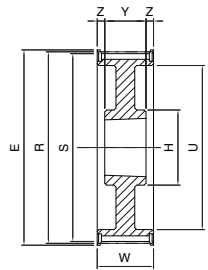
HDB ... -8M85

8M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HDB 34 - 8M 85 | 34 | 5 | 1615 | 91,0 | 86,58 | 85,21 | 66 | - | 95 | 38 | 28,5 | with flanges | steel |
| HDB 36 - 8M 85 | 36 | 5 | 1615 | 97,0 | 91,67 | 90,30 | 68 | - | 95 | 38 | 28,5 | | |
| HDB 38 - 8M 85 | 38 | 5 | 1615 | 102,0 | 96,77 | 95,39 | 75 | - | 95 | 38 | 28,5 | | |
| HDB 40 - 8M 85 | 40 | 5 | 2012 | 106,0 | 101,86 | 100,49 | 80 | - | 95 | 32 | 31,5 | | |
| HDB 44 - 8M 85 | 44 | 5 | 2012 | 120,0 | 112,05 | 110,67 | 90 | - | 95 | 32 | 31,5 | | |
| HDB 48 - 8M 85 | 48 | 5 | 2517 | 128,0 | 122,23 | 120,86 | 100 | - | 95 | 45 | 25,0 | | |
| HDB 56 - 8M 85 | 56 | 5 | 2517 | 150,0 | 142,60 | 141,23 | 120 | - | 95 | 45 | 25,0 | | |
| HDB 64 - 8M 85 | 64 | 5 | 2517 | 168,0 | 162,97 | 161,60 | 138 | - | 95 | 45 | 25,0 | | |
| HDB 72 - 8M 85 | 72 | 5 | 3020 | 192,0 | 183,35 | 181,97 | 158 | - | 95 | 51 | 22,0 | | |
| HDB 80 - 8M 85 | 80 | 8A | 3020 | - | 203,74 | 202,35 | 178 | 160,0 | 95 | 51 | 22,0 | | |
| HDB 90 - 8M 85 | 90 | 8A | 3020 | - | 229,18 | 227,81 | 204 | 170,0 | 95 | 51 | 22,0 | | |
| HDB 112 - 8M 85 | 112 | 8B | 3020 | - | 285,21 | 283,83 | 260 | 170,0 | 95 | 51 | 22,0 | | |
| HDB 144 - 8M 85 | 144 | 8B | 3030 | - | 366,69 | 365,32 | 341 | 198,0 | 95 | 76 | 9,5 | | |
| HDB 168 - 8M 85 | 168 | 8B | 3030 | - | 427,80 | 426,42 | 402 | 198,0 | 95 | 76 | 9,5 | | |
| HDB 192 - 8M 85 | 192 | 8B | 3030 | - | 488,92 | 487,54 | 462 | 198,0 | 95 | 76 | 9,5 | | |



5

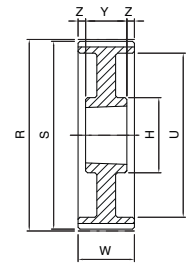


8

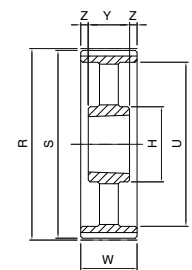
HDB ... -14M40

14M

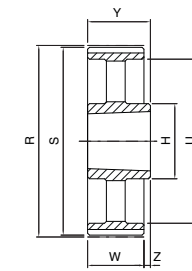
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|--------------|----------|
| HDB 28 - 14M 40 | 28 | 5 | 2012 | 128,0 | 124,78 | 122,12 | 98 | - | 54 | 32 | 11,0 | with flanges | steel |
| HDB 29 - 14M 40 | 29 | 5 | 2012 | 138,0 | 129,23 | 126,57 | 100 | - | 54 | 32 | 11,0 | | |
| HDB 30 - 14M 40 | 30 | 5 | 2012 | 138,0 | 133,69 | 130,99 | 100 | - | 54 | 32 | 11,0 | | |
| HDB 32 - 14M 40 | 32 | 5 | 2012 | 154,0 | 142,60 | 139,88 | 104 | - | 54 | 32 | 11,0 | | |
| HDB 34 - 14M 40 | 34 | 5 | 2517 | 160,0 | 151,52 | 148,79 | 110 | - | 54 | 45 | 4,5 | | |
| HDB 36 - 14M 40 | 36 | 5 | 2517 | 168,0 | 160,43 | 157,68 | 120 | - | 54 | 45 | 4,5 | | |
| HDB 38 - 14M 40 | 38 | 5 | 2517 | 183,0 | 169,34 | 166,60 | 130 | - | 54 | 45 | 4,5 | | |
| HDB 40 - 14M 40 | 40 | 5 | 2517 | 188,0 | 178,25 | 175,49 | 138 | - | 54 | 45 | 4,5 | | |
| HDB 44 - 14M 40 | 44 | 5 | 3020 | 211,0 | 196,08 | 193,28 | 154 | - | 54 | 51 | 1,5 | | |
| HDB 48 - 14M 40 | 48 | 5 | 3020 | 226,0 | 213,90 | 211,11 | 172 | - | 54 | 51 | 1,5 | | |
| HDB 56 - 14M 40 | 56 | 8 | 3020 | 256,0 | 249,56 | 246,76 | 207 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 64 - 14M 40 | 64 | 8 | 3020 | 296,0 | 285,21 | 282,41 | 243 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 72 - 14M 40 | 72 | 8A | 3020 | - | 320,86 | 318,06 | 279 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 80 - 14M 40 | 80 | 8B | 3020 | - | 356,51 | 353,71 | 315 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 90 - 14M 40 | 90 | 8B | 3020 | - | 401,07 | 398,28 | 359 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 112 - 14M 40 | 112 | 8B | 3020 | - | 499,11 | 496,32 | 457 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 144 - 14M 40 | 144 | 8B | 3020 | - | 641,71 | 638,92 | 600 | 170,0 | 54 | 51 | 1,5 | | |
| HDB 168 - 14M 40 | 168 | 8B | 3020 | - | 748,66 | 745,87 | 705 | 160,0 | 54 | 51 | 1,5 | | |
| HDB 192 - 14M 40 | 192 | 9B | 3535 | - | 855,62 | 852,82 | 812 | 178,0 | 54 | 89 | 35 | | |
| HDB 216 - 14M 40 | 216 | 9B | 3535 | - | 962,57 | 959,77 | 920 | 178,0 | 54 | 89 | 35 | | |
| HDB 264 - 14M 40 | 264 | 9B | 3535 | - | 1176,47 | 1173,67 | 1133 | 178,0 | 54 | 89 | 35 | | |



8A



8B



9B

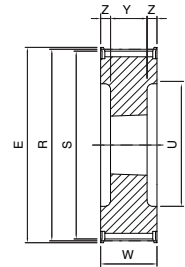
Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



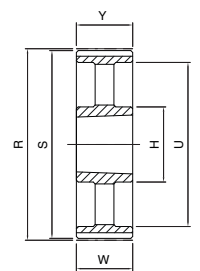
HDB ... -14M55

14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|--------------|----------|
| HDB 28 - 14M 55 | 28 | 5 | 2012 | 128,0 | 124,78 | 122,12 | 98 | - | 70 | 32 | 19,0 | with flanges | steel |
| HDB 29 - 14M 55 | 29 | 5 | 2012 | 138,0 | 129,23 | 126,57 | 100 | - | 70 | 32 | 19,0 | | |
| HDB 30 - 14M 55 | 30 | 5 | 2517 | 138,0 | 133,69 | 130,99 | 100 | - | 70 | 45 | 12,5 | | |
| HDB 32 - 14M 55 | 32 | 5 | 2517 | 154,0 | 142,60 | 139,88 | 104 | - | 70 | 45 | 12,5 | | |
| HDB 34 - 14M 55 | 34 | 5 | 2517 | 160,0 | 151,52 | 148,79 | 110 | - | 70 | 45 | 12,5 | | |
| HDB 36 - 14M 55 | 36 | 5 | 2517 | 168,0 | 160,43 | 157,68 | 120 | - | 70 | 45 | 12,5 | | |
| HDB 38 - 14M 55 | 38 | 5 | 2517 | 183,0 | 169,34 | 166,60 | 130 | - | 70 | 45 | 12,5 | | |
| HDB 40 - 14M 55 | 40 | 5 | 2517 | 188,0 | 178,25 | 175,49 | 138 | - | 70 | 45 | 12,5 | | |
| HDB 44 - 14M 55 | 44 | 5 | 3020 | 211,0 | 196,08 | 193,28 | 154 | - | 70 | 51 | 9,5 | | |
| HDB 48 - 14M 55 | 48 | 5 | 3020 | 226,0 | 213,90 | 211,11 | 172 | - | 70 | 51 | 9,5 | | |
| HDB 56 - 14M 55 | 56 | 8 | 3020 | 256,0 | 249,56 | 246,76 | 207 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 64 - 14M 55 | 64 | 8 | 3020 | 296,0 | 285,21 | 282,41 | 243 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 72 - 14M 55 | 72 | 8A | 3020 | - | 320,86 | 318,06 | 279 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 80 - 14M 55 | 80 | 8B | 3020 | - | 356,51 | 353,71 | 314 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 90 - 14M 55 | 90 | 8B | 3020 | - | 401,07 | 398,28 | 359 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 112 - 14M 55 | 112 | 8B | 3020 | - | 499,11 | 496,32 | 457 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 144 - 14M 55 | 144 | 8B | 3020 | - | 641,71 | 638,92 | 600 | 170,0 | 70 | 51 | 9,5 | | |
| HDB 168 - 14M 55 | 168 | 8B | 3020 | - | 748,66 | 745,87 | 705 | 160,0 | 70 | 51 | 9,5 | | |
| HDB 192 - 14M 55 | 192 | 9B | 3535 | - | 855,62 | 852,82 | 812 | 178,0 | 70 | 89 | 19,0 | | |
| HDB 216 - 14M 55 | 216 | 9B | 3535 | - | 962,57 | 959,77 | 920 | 178,0 | 70 | 89 | 19,0 | | |
| HDB 264 - 14M 55 | 264 | 9B | 3535 | - | 1176,47 | 1173,67 | 1133 | 178,0 | 70 | 89 | 19,0 | | |



5

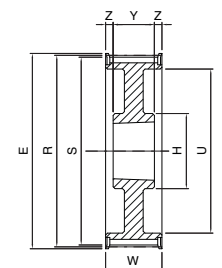


7B

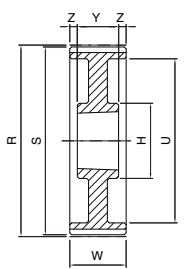
HDB ... -14M85

14M

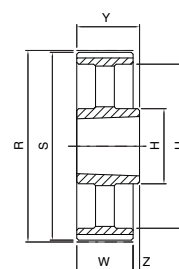
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|--------------|----------|
| HDB 28 - 14M 85 | 28 | 5 | 2517 | 128,0 | 124,78 | 122,12 | 98 | - | 102 | 45 | 28,5 | with flanges | steel |
| HDB 29 - 14M 85 | 29 | 5 | 2517 | 138,0 | 129,23 | 126,57 | 100 | - | 102 | 45 | 28,5 | | |
| HDB 30 - 14M 85 | 30 | 5 | 2517 | 138,0 | 133,69 | 130,99 | 100 | - | 102 | 45 | 28,5 | | |
| HDB 32 - 14M 85 | 32 | 5 | 2517 | 154,0 | 142,60 | 139,88 | 104 | - | 102 | 45 | 28,5 | | |
| HDB 34 - 14M 85 | 34 | 5 | 2517 | 160,0 | 151,52 | 148,79 | 110 | - | 102 | 45 | 28,5 | | |
| HDB 36 - 14M 85 | 36 | 5 | 3020 | 168,0 | 160,43 | 157,68 | 120 | - | 102 | 51 | 25,5 | | |
| HDB 38 - 14M 85 | 38 | 5 | 3020 | 183,0 | 169,34 | 166,60 | 130 | - | 102 | 51 | 25,5 | | |
| HDB 40 - 14M 85 | 40 | 5 | 3020 | 188,0 | 178,25 | 175,49 | 138 | - | 102 | 51 | 25,5 | | |
| HDB 44 - 14M 85 | 44 | 5 | 3030 | 211,0 | 196,08 | 193,28 | 154 | - | 102 | 76 | 13,0 | | |
| HDB 48 - 14M 85 | 48 | 5 | 3030 | 226,0 | 213,90 | 211,11 | 172 | - | 102 | 76 | 13,0 | | |
| HDB 56 - 14M 85 | 56 | 5 | 3535 | 256,0 | 249,56 | 246,76 | 207 | - | 102 | 89 | 6,5 | | |
| HDB 64 - 14M 85 | 64 | 8 | 3535 | 296,0 | 285,21 | 282,41 | 243 | 178,0 | 102 | 89 | 6,5 | | |
| HDB 72 - 14M 85 | 72 | 8A | 3535 | - | 320,86 | 318,06 | 279 | 178,0 | 102 | 89 | 6,5 | | |
| HDB 80 - 14M 85 | 80 | 8B | 3535 | - | 356,51 | 353,71 | 314 | 190,0 | 102 | 89 | 6,5 | | |
| HDB 90 - 14M 85 | 90 | 8B | 3535 | - | 401,07 | 398,28 | 359 | 190,0 | 102 | 89 | 6,5 | | |
| HDB 112 - 14M 85 | 112 | 8B | 3535 | - | 499,11 | 496,32 | 457 | 178,0 | 102 | 89 | 6,5 | | |
| HDB 144 - 14M 85 | 144 | 8B | 3535 | - | 641,71 | 638,92 | 600 | 190,0 | 102 | 89 | 6,5 | | |
| HDB 168 - 14M 85 | 168 | 8B | 3535 | - | 748,66 | 745,87 | 705 | 178,0 | 102 | 89 | 6,5 | | |
| HDB 192 - 14M 85 | 192 | 7B | 4040 | - | 855,62 | 852,82 | 812 | 215,0 | 102 | 102 | - | | |
| HDB 216 - 14M 85 | 216 | 7B | 4040 | - | 962,57 | 959,77 | 920 | 215,0 | 102 | 102 | - | | |
| HDB 264 - 14M 85 | 264 | 7B | 4040 | - | 1176,47 | 1173,67 | 1133 | 215,0 | 102 | 102 | - | | |



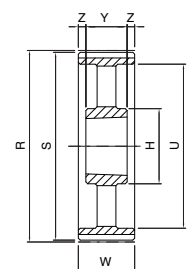
8



8A



9B



8B

Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®

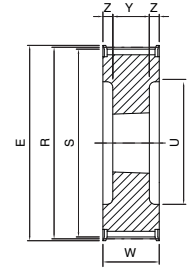


TIMING PULLEYS - HDB

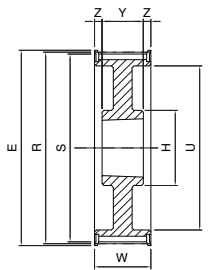
HDB ... -14M115

14M

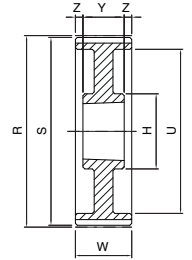
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------------|-----------|
| HDB 28 - 14M 115 | 28 | 5 | 2517 | 128,0 | 124,78 | 122,12 | 98 | - | 133 | 45 | 44,0 | with flanges | steel |
| HDB 29 - 14M 115 | 29 | 5 | 2517 | 138,0 | 129,23 | 126,57 | 100 | - | 133 | 45 | 44,0 | | |
| HDB 30 - 14M 115 | 30 | 5 | 2517 | 138,0 | 133,69 | 130,99 | 100 | - | 133 | 45 | 44,0 | | |
| HDB 32 - 14M 115 | 32 | 5 | 2517 | 154,0 | 142,60 | 139,88 | 104 | - | 133 | 45 | 44,0 | | |
| HDB 34 - 14M 115 | 34 | 5 | 2517 | 160,0 | 151,52 | 148,79 | 110 | - | 133 | 45 | 44,0 | | |
| HDB 36 - 14M 115 | 36 | 5 | 3020 | 168,0 | 160,43 | 157,68 | 120 | - | 133 | 51 | 41,0 | | |
| HDB 38 - 14M 115 | 38 | 5 | 3020 | 183,0 | 169,34 | 166,60 | 130 | - | 133 | 51 | 41,0 | | |
| HDB 40 - 14M 115 | 40 | 5 | 3020 | 188,0 | 178,25 | 175,49 | 138 | - | 133 | 51 | 41,0 | | |
| HDB 44 - 14M 115 | 44 | 5 | 3030 | 211,0 | 196,08 | 193,28 | 154 | - | 133 | 76 | 28,5 | | |
| HDB 48 - 14M 115 | 48 | 5 | 3030 | 226,0 | 213,90 | 211,11 | 172 | - | 133 | 76 | 28,5 | | |
| HDB 56 - 14M 115 | 56 | 5 | 3535 | 256,0 | 249,56 | 246,76 | 207 | - | 133 | 89 | 22,0 | | |
| HDB 64 - 14M 115 | 64 | 8 | 3535 | 296,0 | 285,21 | 282,41 | 243 | 178,0 | 133 | 89 | 22,0 | | |
| HDB 72 - 14M 115 | 72 | 8A | 3535 | - | 320,86 | 318,06 | 279 | 178,0 | 133 | 89 | 22,0 | | |
| HDB 80 - 14M 115 | 80 | 8B | 3535 | - | 356,51 | 353,71 | 314 | 178,0 | 133 | 89 | 22,0 | | |
| HDB 90 - 14M 115 | 90 | 8B | 3535 | - | 401,07 | 398,28 | 359 | 178,0 | 133 | 89 | 22,0 | | |
| HDB 112 - 14M 115 | 112 | 8B | 3535 | - | 499,11 | 496,32 | 457 | 178,0 | 133 | 89 | 22,0 | | |
| HDB 144 - 14M 115 | 144 | 8B | 4040 | - | 641,71 | 638,92 | 600 | 230,0 | 133 | 102 | 15,5 | | |
| HDB 168 - 14M 115 | 168 | 8B | 4040 | - | 748,66 | 745,87 | 705 | 215,0 | 133 | 102 | 15,5 | | |
| HDB 192 - 14M 115 | 192 | 8B | 4040 | - | 855,62 | 852,82 | 812 | 215,0 | 133 | 102 | 15,5 | | |
| HDB 216 - 14M 115 | 216 | 8B | 4040 | - | 962,57 | 959,77 | 920 | 215,0 | 133 | 102 | 15,5 | | |
| HDB 264 - 14M 115 | 264 | 8B | 5050 | - | 1176,47 | 1173,67 | 1133 | 267,0 | 133 | 127 | 3,0 | | |
| | | | | | | | | | | | | without flanges | cast iron |



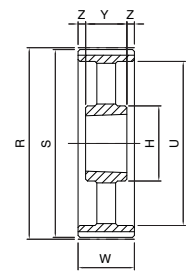
5



8



8A



8B

HDB ... -14M170

14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------------|-----------|
| HDB 38 - 14M 170 | 38 | 5 | 3030 | 183,0 | 169,34 | 166,60 | 130 | - | 187 | 76 | 55,5 | with flanges | steel |
| HDB 40 - 14M 170 | 40 | 5 | 3030 | 188,0 | 178,25 | 175,49 | 138 | - | 187 | 76 | 55,5 | | |
| HDB 44 - 14M 170 | 44 | 5 | 3535 | 211,0 | 196,08 | 193,28 | 154 | - | 187 | 89 | 49,0 | | |
| HDB 48 - 14M 170 | 48 | 5 | 3535 | 226,0 | 213,90 | 211,11 | 172 | - | 187 | 89 | 49,0 | | |
| HDB 56 - 14M 170 | 56 | 5 | 3535 | 256,0 | 249,56 | 246,76 | 207 | - | 187 | 89 | 49,0 | | |
| HDB 64 - 14M 170 | 64 | 5 | 4040 | 296,0 | 285,21 | 282,41 | 243 | - | 187 | 102 | 42,5 | | |
| HDB 72 - 14M 170 | 72 | 8A | 4040 | - | 320,86 | 318,06 | 280 | 230,0 | 187 | 102 | 42,5 | | |
| HDB 80 - 14M 170 | 80 | 8A | 4040 | - | 356,51 | 353,71 | 314 | 230,0 | 187 | 102 | 42,5 | | |
| HDB 90 - 14M 170 | 90 | 8B | 4040 | - | 401,07 | 398,28 | 359 | 230,0 | 187 | 102 | 42,5 | | |
| HDB 112 - 14M 170 | 112 | 8B | 5050 | - | 499,11 | 496,32 | 457 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 144 - 14M 170 | 144 | 8B | 5050 | - | 641,71 | 638,92 | 600 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 168 - 14M 170 | 168 | 8B | 5050 | - | 748,66 | 745,87 | 705 | 267,0 | 187 | 127 | 30,0 | | |
| HDB 192 - 14M 170 | 192 | 8B | 5050 | - | 855,62 | 852,82 | 812 | 267,0 | 187 | 127 | 30,0 | | |
| HDB 216 - 14M 170 | 216 | 8B | 5050 | - | 962,57 | 959,77 | 920 | 267,0 | 187 | 127 | 30,0 | | |
| HDB 264 - 14M 170 | 264 | 8B | 5050 | - | 1176,47 | 1173,67 | 1133 | 267,0 | 187 | 127 | 30,0 | | |
| | | | | | | | | | | | | without flanges | cast iron |

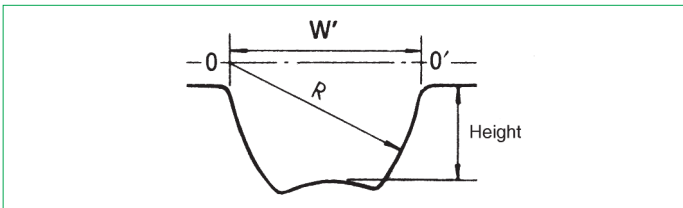
SIT timing pulleys - TOP DRIVE® STD - SUPERTORQUE STPD

STPD pulleys have a different design from the traditional toothed pulleys.

The bottom of the pulley grooves is convex-shaped and the depth of the grooves is smaller than the height of the belt tooth, thus ensuring the effect of "interference" drastically reducing the polygonal effect.

The axial grooves are designed to allow the belt teeth to catch the pulley teeth with negligible friction.

STPD pulleys are available with solid hub and for assembly with SER-SIT® taper bushing



Solid hub

Material: cast iron/steel.

Finishing: protective surface treatment.

Pitch:

- S3M
- S4,5M
- S5M
- S8M
- S14M



For mounting taper bushing SER-SIT®

Material: cast iron.

Finishing: protective surface treatment.

Pitch:

- S8M
- S14M



Special executions

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

$$\text{peripheral speed [m/s]} = \frac{\text{pulley diameter [mm]} \cdot \text{rpm}}{19100}$$

In order to reduce the system weight, the pulleys can be manufactured from light metals; in this case the lifetime will be reduced when compared to the standard because the nylon belt coating has a slightly abrasive effect. This disadvantage can be reduced with a high thickness anodization coating of the teeth

TOLERANCES

Pulley diameter tolerances

| External diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 25,4 | -0,00 +0,05 |
| from 25,5 to 50,8 | -0,00 +0,08 |
| from 50,9 to 101,6 | -0,00 +0,10 |
| from 101,7 to 177,8 | -0,00 +0,13 |
| from 177,9 to 304,8 | -0,00 +0,15 |
| from 304,9 to 508,0 | -0,00 +0,18 |
| more than 508,1 | -0,00 +0,25 |

Radial circular runout

| External diameter [mm] | Measured total eccentricity [mm] |
|------------------------|-------------------------------------|
| up to 200 | 0,13 |
| more than 200 | add 0,0005 for any mm more than 200 |

Cylindricity tolerance

| Pulley width | Tolerance |
|----------------|---|
| for any 100 mm | 0,1 mm without exceeding the external diameter tolerance |

Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.

Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.

In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal one, both pulleys have to be flanged.

Protective coating

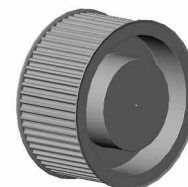
All (steel and cast iron) pulleys are treated with surface process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.

On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

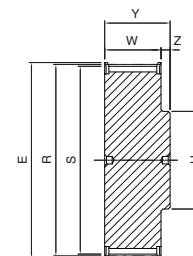
Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes. For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used. For confirmation of the material actually available, please contact customer service.

Dimensions of timing pulleys TOP DRIVE® STD - solid hub pitches 8M - 14M



| | |
|---|----------------------|
| Part Number | ST 48 S 8M 20 |
| TOP DRIVE® STD timing pulleys - solid hub | |
| Number of teeth | |
| Pitch | |
| Belt width in mm | |

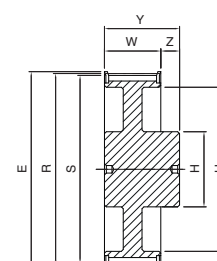


1

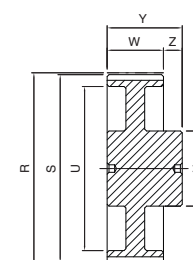
ST ... S8M20

8M

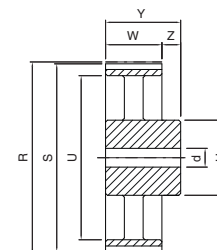
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| ST18S8M20 | 18 | 1 | 50,0 | 45,84 | 44,46 | - | 32,0 | - | 28,0 | 38,0 | 10,0 | with flanges | steel |
| ST20S8M20 | 20 | 1 | 55,0 | 50,93 | 49,56 | - | 36,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST22S8M20 | 22 | 1 | 62,0 | 56,02 | 54,65 | - | 43,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST24S8M20 | 24 | 1 | 67,0 | 61,12 | 59,74 | - | 49,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST26S8M20 | 26 | 1 | 73,0 | 66,21 | 64,84 | - | 50,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST28S8M20 | 28 | 1 | 77,0 | 71,30 | 69,93 | - | 55,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST30S8M20 | 30 | 1 | 84,0 | 76,39 | 75,02 | - | 60,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST32S8M20 | 32 | 1 | 88,0 | 81,49 | 80,12 | - | 64,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST34S8M20 | 34 | 1 | 94,0 | 86,58 | 85,21 | - | 70,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST36S8M20 | 36 | 1 | 98,0 | 91,67 | 90,30 | - | 75,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST38S8M20 | 38 | 1 | 104,0 | 96,77 | 95,39 | - | 80,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST40S8M20 | 40 | 1 | 108,0 | 101,86 | 100,49 | - | 85,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST44S8M20 | 44 | 1 | 121,0 | 112,05 | 110,67 | - | 96,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST48S8M20 | 48 | 1 | 129,0 | 122,23 | 120,86 | - | 104,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST56S8M20 | 56 | 3 | 149,0 | 142,60 | 141,23 | 117,0 | 80,0 | - | 28,0 | 38,0 | 10,0 | without flanges | cast iron |
| ST60S8M20 | 60 | 3 | 158,0 | 152,79 | 151,42 | 127,0 | 80,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST64S8M20 | 64 | 3 | 168,0 | 162,97 | 161,60 | 137,0 | 80,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST72S8M20 | 72 | 3 | 191,0 | 183,35 | 181,97 | 158,0 | 80,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST80S8M20 | 80 | 3A | - | 203,72 | 202,35 | 179,0 | 90,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST84S8M20 | 84 | 3A | - | 213,90 | 212,53 | 190,0 | 90,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST90S8M20 | 90 | 3A | - | 229,18 | 227,81 | 204,0 | 90,0 | - | 28,0 | 38,0 | 10,0 | | |
| ST112S8M20 | 112 | 5B | - | 285,21 | 283,83 | 260,0 | 90,0 | 19,0 | 28,0 | 38,0 | 10,0 | | |
| ST144S8M20 | 144 | 5B | - | 366,69 | 365,32 | 342,0 | 90,0 | 19,0 | 28,0 | 38,0 | 10,0 | | |
| ST168S8M20 | 168 | 5B | - | 427,80 | 426,42 | 403,0 | 100,0 | 19,0 | 28,0 | 38,0 | 10,0 | | |
| ST192S8M20 | 192 | 5B | - | 488,92 | 487,54 | 465,0 | 100,0 | 19,0 | 28,0 | 38,0 | 10,0 | | |



3



3A



5B

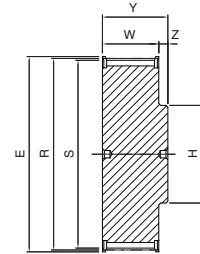
Dimensions of timing pulleys TOP DRIVE® STD - solid hub



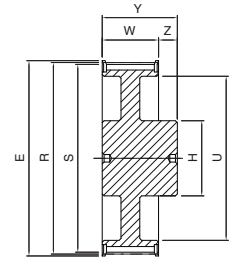
ST ... S8M30

8M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| ST18S8M30 | 18 | 1 | 50,0 | 45,84 | 44,46 | - | 32,0 | - | 38,0 | 48,0 | 10,0 | with flanges | steel |
| ST20S8M30 | 20 | 1 | 55,0 | 50,93 | 49,56 | - | 36,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST22S8M30 | 22 | 1 | 62,0 | 56,02 | 54,65 | - | 43,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST24S8M30 | 24 | 1 | 67,0 | 61,12 | 59,74 | - | 49,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST26S8M30 | 26 | 1 | 73,0 | 66,21 | 64,84 | - | 50,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST28S8M30 | 28 | 1 | 77,0 | 71,30 | 69,93 | - | 55,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST30S8M30 | 30 | 1 | 84,0 | 76,39 | 75,02 | - | 60,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST32S8M30 | 32 | 1 | 88,0 | 81,49 | 80,12 | - | 64,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST34S8M30 | 34 | 1 | 94,0 | 86,58 | 85,21 | - | 70,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST36S8M30 | 36 | 1 | 98,0 | 91,67 | 90,30 | - | 75,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST38S8M30 | 38 | 1 | 104,0 | 96,77 | 95,39 | - | 80,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST40S8M30 | 40 | 1 | 108,0 | 101,86 | 100,49 | - | 85,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST44S8M30 | 44 | 1 | 121,0 | 112,05 | 110,67 | - | 96,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST48S8M30 | 48 | 1 | 129,0 | 122,23 | 120,86 | - | 104,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST56S8M30 | 56 | 3 | 149,0 | 142,60 | 141,23 | 117,0 | 90,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST60S8M30 | 60 | 3 | 158,0 | 152,79 | 151,42 | 127,0 | 90,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST64S8M30 | 64 | 3 | 168,0 | 162,97 | 161,60 | 137,0 | 90,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST72S8M30 | 72 | 3 | 191,0 | 183,35 | 181,97 | 158,0 | 95,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST80S8M30 | 80 | 3A | - | 203,72 | 202,35 | 179,0 | 100,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST84S8M30 | 84 | 3A | - | 213,90 | 212,53 | 190,0 | 100,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST90S8M30 | 90 | 3A | - | 229,18 | 227,81 | 204,0 | 100,0 | - | 38,0 | 48,0 | 10,0 | | |
| ST112S8M30 | 112 | 5B | - | 285,21 | 283,83 | 260,0 | 100,0 | 19,0 | 38,0 | 48,0 | 10,0 | | |
| ST144S8M30 | 144 | 5B | - | 366,69 | 365,32 | 342,0 | 100,0 | 19,0 | 38,0 | 48,0 | 10,0 | | |
| ST168S8M30 | 168 | 5B | - | 427,80 | 426,42 | 403,0 | 100,0 | 19,0 | 38,0 | 48,0 | 10,0 | | |
| ST192S8M30 | 192 | 5B | - | 488,92 | 487,54 | 465,0 | 100,0 | 19,0 | 38,0 | 48,0 | 10,0 | | |



1

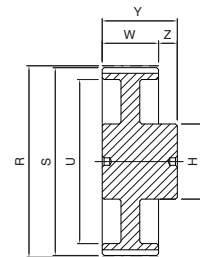


3

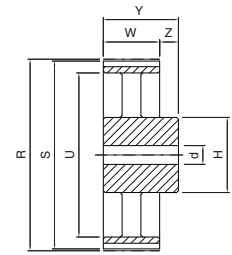
ST ... S8M50

8M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| ST18S8M50 | 18 | 1 | 50,0 | 45,84 | 44,46 | - | 32,0 | - | 60,0 | 70,0 | 10,0 | with flanges | steel |
| ST20S8M50 | 20 | 1 | 55,0 | 50,93 | 49,56 | - | 36,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST22S8M50 | 22 | 1 | 62,0 | 56,02 | 54,65 | - | 43,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST24S8M50 | 24 | 1 | 67,0 | 61,12 | 59,74 | - | 49,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST26S8M50 | 26 | 1 | 73,0 | 66,21 | 64,84 | - | 50,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST28S8M50 | 28 | 1 | 77,0 | 71,30 | 69,93 | - | 55,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST30S8M50 | 30 | 1 | 84,0 | 76,39 | 75,02 | - | 60,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST32S8M50 | 32 | 1 | 88,0 | 81,49 | 80,12 | - | 64,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST34S8M50 | 34 | 1 | 94,0 | 86,58 | 85,21 | - | 70,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST36S8M50 | 36 | 1 | 98,0 | 91,67 | 90,30 | - | 75,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST38S8M50 | 38 | 1 | 104,0 | 96,77 | 95,39 | - | 80,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST40S8M50 | 40 | 1 | 108,0 | 101,86 | 100,49 | - | 85,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST44S8M50 | 44 | 1 | 121,0 | 112,05 | 110,67 | - | 96,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST48S8M50 | 48 | 1 | 129,0 | 122,23 | 120,86 | - | 104,0 | - | 60,0 | 70,0 | 10,0 | | |
| ST56S8M50 | 56 | 6 | 149,0 | 142,60 | 141,23 | 117,0 | 90,0 | - | 60,0 | 60,0 | - | | |
| ST60S8M50 | 60 | 6 | 158,0 | 152,79 | 151,42 | 127,0 | 100,0 | - | 60,0 | 60,0 | - | | |
| ST64S8M50 | 64 | 6 | 168,0 | 162,97 | 161,60 | 137,0 | 100,0 | - | 60,0 | 60,0 | - | | |
| ST72S8M50 | 72 | 6 | 191,0 | 183,35 | 181,97 | 158,0 | 100,0 | - | 60,0 | 60,0 | - | | |
| ST80S8M50 | 80 | 6A | - | 203,72 | 202,35 | 179,0 | 110,0 | - | 60,0 | 60,0 | - | | |
| ST84S8M50 | 84 | 6A | - | 213,90 | 212,53 | 190,0 | 110,0 | - | 60,0 | 60,0 | - | | |
| ST90S8M50 | 90 | 6A | - | 229,18 | 227,81 | 204,0 | 110,0 | - | 60,0 | 60,0 | - | | |
| ST112S8M50 | 112 | 7B | - | 285,21 | 283,83 | 260,0 | 110,0 | 19,0 | 60,0 | 60,0 | - | | |
| ST144S8M50 | 144 | 7B | - | 366,69 | 365,32 | 342,0 | 110,0 | 19,0 | 60,0 | 60,0 | - | | |
| ST168S8M50 | 168 | 7B | - | 427,80 | 426,42 | 403,0 | 120,0 | 19,0 | 60,0 | 60,0 | - | | |
| ST192S8M50 | 192 | 7B | - | 488,92 | 487,54 | 465,0 | 130,0 | 19,0 | 60,0 | 60,0 | - | | |



3A



5B

Dimensions of timing pulleys TOP DRIVE® STD - solid hub

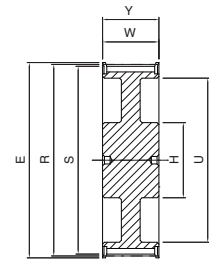


TIMING PULLEYS - ST

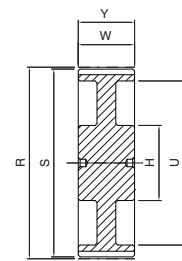
ST ... S8M85

8M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| ST22S8M85 | 22 | 1 | 62,0 | 56,02 | 54,65 | - | 43,0 | - | 95,0 | 105,0 | 10,0 | with flanges | steel |
| ST24S8M85 | 24 | 1 | 67,0 | 61,12 | 59,74 | - | 49,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST26S8M85 | 26 | 1 | 73,0 | 66,21 | 64,84 | - | 50,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST28S8M85 | 28 | 1 | 77,0 | 71,30 | 69,93 | - | 55,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST30S8M85 | 30 | 1 | 84,0 | 76,39 | 75,02 | - | 60,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST32S8M85 | 32 | 1 | 88,0 | 81,49 | 80,12 | - | 64,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST34S8M85 | 34 | 1 | 94,0 | 86,58 | 85,21 | - | 70,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST36S8M85 | 36 | 1 | 98,0 | 91,67 | 90,30 | - | 75,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST38S8M85 | 38 | 1 | 104,0 | 96,77 | 95,39 | - | 80,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST40S8M85 | 40 | 1 | 108,0 | 101,86 | 100,49 | - | 85,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST44S8M85 | 44 | 1 | 121,0 | 112,05 | 110,67 | - | 96,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST48S8M85 | 48 | 1 | 129,0 | 122,23 | 120,86 | - | 104,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST56S8M85 | 56 | 1 | 149,0 | 142,60 | 141,23 | - | 107,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST60S8M85 | 60 | 1 | 158,0 | 152,79 | 151,42 | - | 132,0 | - | 95,0 | 105,0 | 10,0 | | |
| ST64S8M85 | 64 | 6 | 168,0 | 162,97 | 161,60 | 137,0 | 100,0 | - | 95,0 | 95,0 | - | | |
| ST72S8M85 | 72 | 6 | 191,0 | 183,35 | 181,97 | 158,0 | 110,0 | - | 95,0 | 95,0 | - | | |
| ST80S8M85 | 80 | 6A | - | 203,72 | 202,35 | 179,0 | 110,0 | - | 95,0 | 95,0 | - | | |
| ST84S8M85 | 84 | 6A | - | 213,90 | 212,53 | 190,0 | 110,0 | - | 95,0 | 95,0 | - | | |
| ST90S8M85 | 90 | 6B | - | 229,18 | 227,81 | 204,0 | 110,0 | - | 95,0 | 95,0 | - | | |
| ST112S8M85 | 112 | 7B | - | 285,21 | 283,83 | 260,0 | 110,0 | 19,0 | 95,0 | 95,0 | - | | |
| ST144S8M85 | 144 | 7B | - | 366,69 | 365,32 | 342,0 | 120,0 | 19,0 | 95,0 | 95,0 | - | | |
| ST168S8M85 | 168 | 7B | - | 427,80 | 426,42 | 403,0 | 120,0 | 19,0 | 95,0 | 95,0 | - | | |
| ST192S8M85 | 192 | 7B | - | 488,92 | 487,54 | 465,0 | 130,0 | 19,0 | 95,0 | 95,0 | - | | |



6

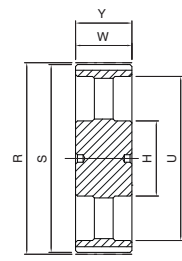


6A

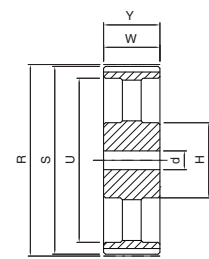
ST ... S14M40

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| ST28S14M40 | 28 | 1 | 134,0 | 124,78 | 121,98 | - | 100,0 | - | 54,0 | 69,0 | 15,0 | with flanges | cast iron |
| ST29S14M40 | 29 | 1 | 134,0 | 129,23 | 126,44 | - | 107,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST30S14M40 | 30 | 1 | 142,0 | 133,69 | 130,90 | - | 107,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST32S14M40 | 32 | 1 | 150,0 | 142,60 | 139,81 | - | 114,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST34S14M40 | 34 | 1 | 158,0 | 151,51 | 148,72 | - | 122,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST36S14M40 | 36 | 1 | 166,0 | 160,43 | 157,63 | - | 128,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST38S14M40 | 38 | 1 | 177,0 | 169,34 | 166,55 | - | 141,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST40S14M40 | 40 | 1 | 186,0 | 178,25 | 175,46 | - | 148,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST44S14M40 | 44 | 3 | 209,0 | 196,08 | 193,28 | 154,0 | 120,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST48S14M40 | 48 | 3 | 216,0 | 213,90 | 211,11 | 172,0 | 135,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST56S14M40 | 56 | 3 | 261,0 | 249,56 | 246,76 | 207,0 | 135,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST60S14M40 | 60 | 3 | 274,0 | 267,38 | 264,59 | 225,0 | 135,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST64S14M40 | 64 | 3 | 288,0 | 285,21 | 282,41 | 243,0 | 135,0 | - | 54,0 | 69,0 | 15,0 | | |
| ST72S14M40 | 72 | 5B | - | 320,86 | 318,06 | 279,0 | 135,0 | 19,0 | 54,0 | 69,0 | 15,0 | | |
| ST80S14M40 | 80 | 5B | - | 356,51 | 353,71 | 314,0 | 135,0 | 19,0 | 54,0 | 69,0 | 15,0 | | |
| ST84S14M40 | 84 | 5B | - | 374,33 | 371,54 | 332,0 | 135,0 | 19,0 | 54,0 | 69,0 | 15,0 | | |
| ST90S14M40 | 90 | 5B | - | 401,07 | 398,28 | 359,0 | 135,0 | 19,0 | 54,0 | 69,0 | 15,0 | | |
| ST112S14M40 | 112 | 5B | - | 499,11 | 496,32 | 457,0 | 135,0 | 19,0 | 54,0 | 69,0 | 15,0 | | |
| ST144S14M40 | 144 | 5B | - | 641,71 | 638,92 | 600,0 | 135,0 | 19,0 | 54,0 | 69,0 | 15,0 | | |



6B



7B

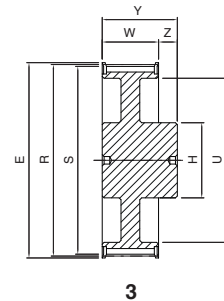
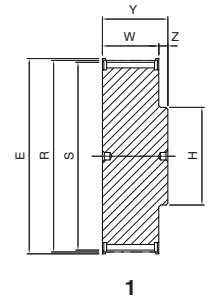
Dimensions of timing pulleys TOP DRIVE® STD - solid hub



ST ... S14M55

14M

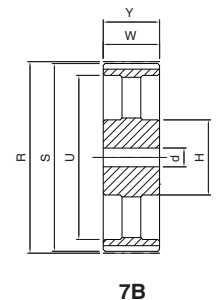
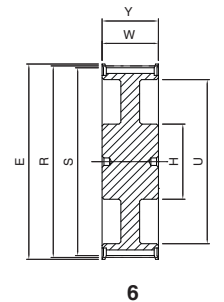
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| ST28S14M55 | 28 | 1 | 134,0 | 124,78 | 121,98 | - | 100,0 | - | 70,0 | 85,0 | 15,0 | with flanges | cast iron |
| ST29S14M55 | 29 | 1 | 134,0 | 129,23 | 126,44 | - | 107,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST30S14M55 | 30 | 1 | 142,0 | 133,69 | 130,90 | - | 107,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST32S14M55 | 32 | 1 | 150,0 | 142,60 | 139,81 | - | 114,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST34S14M55 | 34 | 1 | 158,0 | 151,51 | 148,72 | - | 122,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST36S14M55 | 36 | 1 | 166,0 | 160,43 | 157,63 | - | 128,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST38S14M55 | 38 | 1 | 177,0 | 169,34 | 166,55 | - | 141,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST40S14M55 | 40 | 1 | 186,0 | 178,25 | 175,46 | - | 148,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST44S14M55 | 44 | 3 | 209,0 | 196,08 | 193,28 | 154,0 | 120,0 | - | 70,0 | 85,0 | 15,0 | | |
| ST48S14M55 | 48 | 6 | 216,0 | 213,90 | 211,11 | 172,0 | 135,0 | - | 70,0 | 70,0 | - | | |
| ST56S14M55 | 56 | 6 | 261,0 | 249,56 | 246,76 | 207,0 | 135,0 | - | 70,0 | 70,0 | - | | |
| ST60S14M55 | 60 | 6 | 274,0 | 267,38 | 264,59 | 225,0 | 135,0 | - | 70,0 | 70,0 | - | | |
| ST64S14M55 | 64 | 6 | 288,0 | 285,21 | 282,41 | 243,0 | 135,0 | - | 70,0 | 70,0 | - | | |
| ST72S14M55 | 72 | 7B | - | 320,86 | 318,06 | 279,0 | 135,0 | 19,0 | 70,0 | 70,0 | - | | |
| ST80S14M55 | 80 | 7B | - | 356,51 | 353,71 | 314,0 | 135,0 | 19,0 | 70,0 | 70,0 | - | | |
| ST84S14M55 | 84 | 7B | - | 374,33 | 371,54 | 332,0 | 135,0 | 19,0 | 70,0 | 70,0 | - | | |
| ST90S14M55 | 90 | 7B | - | 401,07 | 398,28 | 359,0 | 135,0 | 19,0 | 70,0 | 70,0 | - | | |
| ST112S14M55 | 112 | 7B | - | 499,11 | 496,32 | 457,0 | 135,0 | 19,0 | 70,0 | 70,0 | - | | |
| ST144S14M55 | 144 | 7B | - | 641,71 | 638,92 | 600,0 | 135,0 | 19,0 | 70,0 | 70,0 | - | | |



ST ... S14M85

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| ST28S14M85 | 28 | 1 | 134,0 | 124,78 | 121,98 | - | 100,0 | - | 102,0 | 117,0 | 15,0 | with flanges | cast iron |
| ST29S14M85 | 29 | 1 | 134,0 | 129,23 | 126,44 | - | 107,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST30S14M85 | 30 | 1 | 142,0 | 133,69 | 130,90 | - | 107,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST32S14M85 | 32 | 1 | 150,0 | 142,60 | 139,81 | - | 114,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST34S14M85 | 34 | 1 | 158,0 | 151,51 | 148,72 | - | 122,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST36S14M85 | 36 | 1 | 166,0 | 160,43 | 157,63 | - | 128,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST38S14M85 | 38 | 1 | 177,0 | 169,34 | 166,55 | - | 141,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST40S14M85 | 40 | 1 | 186,0 | 178,25 | 175,46 | - | 148,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST44S14M85 | 44 | 1 | 209,0 | 196,08 | 193,28 | - | 169,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST48S14M85 | 48 | 1 | 216,0 | 213,90 | 211,11 | - | 186,0 | - | 102,0 | 117,0 | 15,0 | | |
| ST56S14M85 | 56 | 6 | 261,0 | 249,56 | 246,76 | 207,0 | 150,0 | - | 102,0 | 102,0 | - | | |
| ST60S14M85 | 60 | 6 | 274,0 | 267,38 | 264,59 | 225,0 | 150,0 | - | 102,0 | 102,0 | - | | |
| ST64S14M85 | 64 | 6 | 288,0 | 285,21 | 282,41 | 243,0 | 150,0 | - | 102,0 | 102,0 | - | | |
| ST72S14M85 | 72 | 7B | - | 320,86 | 318,06 | 279,0 | 150,0 | 19,0 | 102,0 | 102,0 | - | | |
| ST80S14M85 | 80 | 7B | - | 356,51 | 353,71 | 314,0 | 150,0 | 19,0 | 102,0 | 102,0 | - | | |
| ST84S14M85 | 84 | 7B | - | 374,33 | 371,54 | 332,0 | 150,0 | 19,0 | 102,0 | 102,0 | - | | |
| ST90S14M85 | 90 | 7B | - | 401,07 | 398,28 | 359,0 | 150,0 | 19,0 | 102,0 | 102,0 | - | | |
| ST112S14M85 | 112 | 7B | - | 499,11 | 496,32 | 457,0 | 150,0 | 19,0 | 102,0 | 102,0 | - | | |
| ST144S14M85 | 144 | 7B | - | 641,71 | 638,92 | 600,0 | 150,0 | 19,0 | 102,0 | 102,0 | - | | |



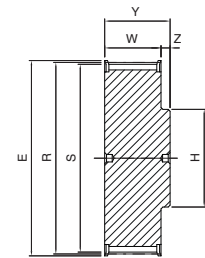
Dimensions of timing pulleys TOP DRIVE® STD - solid hub



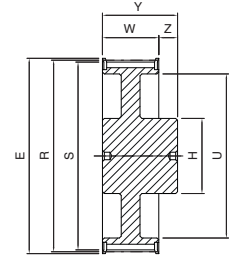
ST ... S14M115

14M

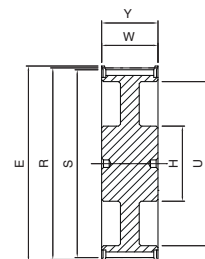
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|--|
| ST28S14M115 | 28 | 1 | 134,0 | 124,78 | 121,98 | - | 100,0 | - | 133,0 | 148,0 | 15,0 | with flanges | cast iron | |
| ST29S14M115 | 29 | 1 | 134,0 | 129,23 | 126,44 | - | 107,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST30S14M115 | 30 | 1 | 142,0 | 133,69 | 130,90 | - | 107,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST32S14M115 | 32 | 1 | 150,0 | 142,60 | 139,81 | - | 114,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST34S14M115 | 34 | 1 | 158,0 | 151,51 | 148,72 | - | 122,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST36S14M115 | 36 | 1 | 166,0 | 160,43 | 157,63 | - | 128,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST38S14M115 | 38 | 1 | 177,0 | 169,34 | 166,55 | - | 141,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST40S14M115 | 40 | 1 | 186,0 | 178,25 | 175,46 | - | 148,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST44S14M115 | 44 | 1 | 209,0 | 196,08 | 193,28 | - | 169,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST48S14M115 | 48 | 1 | 216,0 | 213,90 | 211,11 | - | 186,0 | - | 133,0 | 148,0 | 15,0 | | | |
| ST56S14M115 | 56 | 3 | 261,0 | 249,56 | 246,76 | 207,0 | 150,0 | - | 133,0 | 133,0 | - | | | |
| ST60S14M115 | 60 | 6 | 274,0 | 267,38 | 264,59 | 225,0 | 150,0 | - | 133,0 | 133,0 | - | | | |
| ST64S14M115 | 64 | 6 | 288,0 | 285,21 | 282,41 | 243,0 | 150,0 | - | 133,0 | 133,0 | - | | | |
| ST72S14M115 | 72 | 7B | - | 320,86 | 318,06 | 279,0 | 150,0 | 19,0 | 133,0 | 133,0 | - | | | |
| ST80S14M115 | 80 | 7B | - | 356,51 | 353,71 | 314,0 | 150,0 | 19,0 | 133,0 | 133,0 | - | | | |
| ST84S14M115 | 84 | 7B | - | 374,33 | 371,54 | 332,0 | 150,0 | 19,0 | 133,0 | 133,0 | - | | | |
| ST90S14M115 | 90 | 7B | - | 401,07 | 398,28 | 359,0 | 150,0 | 19,0 | 133,0 | 133,0 | - | | | |
| ST112S14M115 | 112 | 7B | - | 499,11 | 496,32 | 457,0 | 150,0 | 19,0 | 133,0 | 133,0 | - | | | |
| ST144S14M115 | 144 | 7B | - | 641,71 | 638,92 | 600,0 | 150,0 | 19,0 | 133,0 | 133,0 | - | | | |
| | | | | | | | | | | | | without flanges | | |



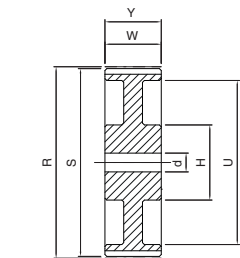
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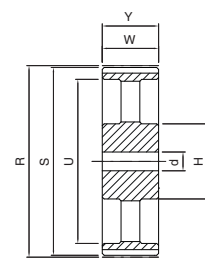
3



6



7A



7B

ST ... S14M170

14M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|--|
| ST28S14M170 | 28 | 1 | 134,0 | 124,78 | 121,98 | - | 100,0 | - | 187,0 | 202,0 | 15,0 | with flanges | cast iron | |
| ST29S14M170 | 29 | 1 | 134,0 | 129,23 | 126,44 | - | 107,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST30S14M170 | 30 | 1 | 142,0 | 133,69 | 130,90 | - | 107,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST32S14M170 | 32 | 1 | 150,0 | 142,60 | 139,81 | - | 114,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST34S14M170 | 34 | 1 | 158,0 | 151,51 | 148,72 | - | 122,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST36S14M170 | 36 | 1 | 166,0 | 160,43 | 157,63 | - | 128,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST38S14M170 | 38 | 1 | 177,0 | 169,34 | 166,55 | - | 141,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST40S14M170 | 40 | 1 | 186,0 | 178,25 | 175,46 | - | 148,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST44S14M170 | 44 | 1 | 209,0 | 196,08 | 193,28 | - | 169,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST48S14M170 | 48 | 1 | 216,0 | 213,90 | 211,11 | - | 186,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST56S14M170 | 56 | 3 | 261,0 | 249,56 | 246,76 | 207,0 | 160,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST60S14M170 | 60 | 3 | 274,0 | 267,38 | 264,59 | 225,0 | 160,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST64S14M170 | 64 | 3 | 288,0 | 285,21 | 282,41 | 243,0 | 180,0 | - | 187,0 | 202,0 | 15,0 | | | |
| ST72S14M170 | 72 | 7A | - | 320,86 | 318,06 | 279,0 | 180,0 | 19,0 | 187,0 | 187,0 | - | | | |
| ST80S14M170 | 80 | 7A | - | 356,51 | 353,71 | 314,0 | 180,0 | 19,0 | 187,0 | 187,0 | - | | | |
| ST84S14M170 | 84 | 7B | - | 374,33 | 371,54 | 332,0 | 180,0 | 19,0 | 187,0 | 187,0 | - | | | |
| ST90S14M170 | 90 | 7B | - | 401,07 | 398,28 | 359,0 | 180,0 | 19,0 | 187,0 | 187,0 | - | | | |
| ST112S14M170 | 112 | 7B | - | 499,11 | 496,32 | 457,0 | 200,0 | 19,0 | 187,0 | 187,0 | - | | | |
| ST144S14M170 | 144 | 7B | - | 641,71 | 638,92 | 600,0 | 220,0 | 19,0 | 187,0 | 187,0 | - | | | |
| | | | | | | | | | | | | without flanges | | |

Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT® itches 8M - 14M



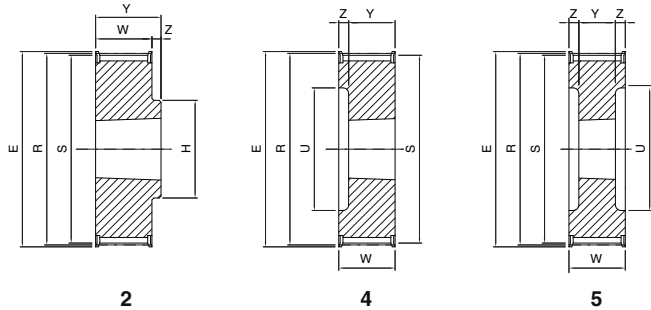
Part Number **STB 32 S 8M 20**

TOP DRIVE® STD pulley - mounting taper bushing

Number of teeth

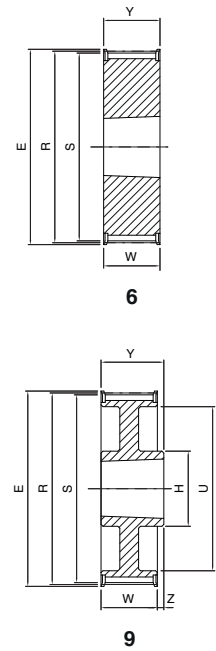
Pitch

Belt width in mm



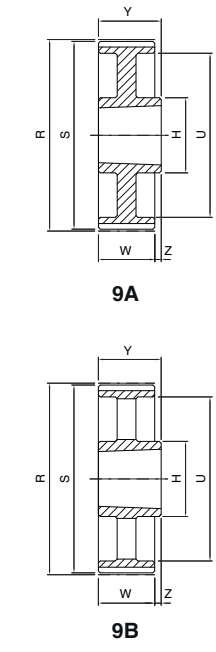
STB ... S8M 20

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| STB22S8M20 | 22 | 4 | 1008 | 62,0 | 56,02 | 54,65 | 38,0 | - | 28,0 | 22,0 | 6,0 | with flanges | cast iron |
| STB24S8M20 | 24 | 4 | 1108 | 67,0 | 61,12 | 59,74 | 42,0 | - | 28,0 | 22,0 | 6,0 | | |
| STB26S8M20 | 26 | 4 | 1108 | 73,0 | 66,21 | 64,84 | 45,0 | - | 28,0 | 22,0 | 6,0 | | |
| STB28S8M20 | 28 | 4 | 1108 | 77,0 | 71,30 | 69,93 | 52,0 | - | 28,0 | 22,0 | 6,0 | | |
| STB30S8M20 | 30 | 4 | 1108 | 84,0 | 76,39 | 75,02 | 56,0 | - | 28,0 | 22,0 | 6,0 | | |
| STB32S8M20 | 32 | 4 | 1610 | 88,0 | 81,49 | 80,12 | 65,0 | - | 28,0 | 25,0 | 3,0 | | |
| STB34S8M20 | 34 | 4 | 1610 | 94,0 | 86,58 | 85,21 | 66,0 | - | 28,0 | 25,0 | 3,0 | | |
| STB36S8M20 | 36 | 4 | 1610 | 98,0 | 91,67 | 90,30 | 68,0 | - | 28,0 | 25,0 | 3,0 | | |
| STB38S8M20 | 38 | 4 | 1610 | 104,0 | 96,77 | 95,39 | 76,0 | - | 28,0 | 25,0 | 3,0 | | |
| STB40S8M20 | 40 | 4 | 1610 | 108,0 | 101,86 | 100,49 | 80,0 | - | 28,0 | 25,0 | 3,0 | | |
| STB44S8M20 | 44 | 2 | 2012 | 121,0 | 112,05 | 110,67 | - | 99,0 | 28,0 | 32,0 | 4,0 | | |
| STB48S8M20 | 48 | 2 | 2012 | 129,0 | 122,23 | 120,86 | - | 105,0 | 28,0 | 32,0 | 4,0 | | |
| STB56S8M20 | 56 | 2 | 2012 | 149,0 | 142,60 | 141,23 | - | 105,0 | 28,0 | 32,0 | 4,0 | | |
| STB64S8M20 | 64 | 9 | 2012 | 168,0 | 162,97 | 161,60 | 140,0 | 110,0 | 28,0 | 32,0 | 4,0 | | |
| STB72S8M20 | 72 | 9 | 2012 | 191,0 | 183,35 | 181,97 | 158,0 | 110,0 | 28,0 | 32,0 | 4,0 | | |
| STB80S8M20 | 80 | 9A | 2012 | - | 203,72 | 202,35 | 178,0 | 110,0 | 28,0 | 32,0 | 4,0 | | |
| STB90S8M20 | 90 | 9B | 2012 | - | 229,18 | 227,81 | 204,0 | 110,0 | 28,0 | 32,0 | 4,0 | | |
| | | | | | | | | | | | | without flanges | |



STB ... S8M 30

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| STB22S8M30 | 22 | 4 | 1008 | 62,0 | 56,02 | 54,65 | 38,0 | - | 38,0 | 22,0 | 16,0 | with flanges | cast iron |
| STB24S8M30 | 24 | 4 | 1108 | 67,0 | 61,12 | 59,74 | 42,0 | - | 38,0 | 22,0 | 16,0 | | |
| STB26S8M30 | 26 | 4 | 1108 | 73,0 | 66,21 | 64,84 | 45,0 | - | 38,0 | 22,0 | 16,0 | | |
| STB28S8M30 | 28 | 4 | 1108 | 77,0 | 71,30 | 69,93 | 52,0 | - | 38,0 | 22,0 | 16,0 | | |
| STB30S8M30 | 30 | 6 | 1615 | 84,0 | 76,39 | 75,02 | - | - | 38,0 | 38,0 | - | | |
| STB32S8M30 | 32 | 6 | 1615 | 88,0 | 81,49 | 80,12 | - | - | 38,0 | 38,0 | - | | |
| STB34S8M30 | 34 | 6 | 1615 | 94,0 | 86,58 | 85,21 | - | - | 38,0 | 38,0 | - | | |
| STB36S8M30 | 36 | 6 | 1615 | 98,0 | 91,67 | 90,30 | - | - | 38,0 | 38,0 | - | | |
| STB38S8M30 | 38 | 6 | 1615 | 104,0 | 96,77 | 95,39 | - | - | 38,0 | 38,0 | - | | |
| STB40S8M30 | 40 | 6 | 1615 | 108,0 | 101,86 | 100,49 | - | - | 38,0 | 38,0 | - | | |
| STB44S8M30 | 44 | 5 | 2012 | 121,0 | 112,05 | 110,67 | 90,0 | - | 38,0 | 32,0 | - | | |
| STB48S8M30 | 48 | 5 | 2012 | 129,0 | 122,23 | 120,86 | 98,0 | - | 38,0 | 32,0 | 3,0 | | |
| STB56S8M30 | 56 | 5 | 2012 | 149,0 | 142,60 | 141,23 | 118,0 | - | 38,0 | 32,0 | 3,0 | | |
| STB64S8M30 | 64 | 9 | 2517 | 168,0 | 162,97 | 161,6 | 140,0 | 120,0 | 38,0 | 45,0 | 3,0 | | |
| STB72S8M30 | 72 | 9 | 2517 | 191,0 | 183,35 | 181,97 | 158,0 | 120,0 | 38,0 | 45,0 | 7,0 | | |
| STB80S8M30 | 80 | 9A | 2517 | - | 203,72 | 202,35 | 178,0 | 120,0 | 38,0 | 45,0 | 7,0 | | |
| STB90S8M30 | 90 | 9B | 2517 | - | 229,18 | 227,81 | 204,0 | 120,0 | 38,0 | 45,0 | 7,0 | | |
| STB112S8M30 | 112 | 9B | 2517 | - | 285,21 | 283,83 | 260,0 | 120,0 | 38,0 | 45,0 | 7,0 | | |
| STB144S8M30 | 144 | 9B | 2517 | - | 366,69 | 365,32 | 341,0 | 120,0 | 38,0 | 45,0 | 7,0 | | |
| | | | | | | | | | | | | without flanges | |



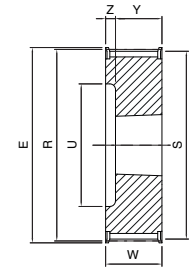
Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT®



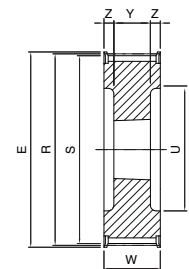
STB ... S8M 50

8M

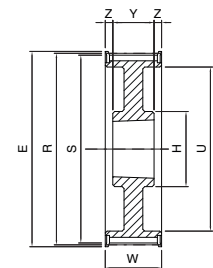
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | | |
|-------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|-----------------|-----------|
| STB28S8M50 | 28 | 5 | 1108 | 77,0 | 71,30 | 69,93 | 52,0 | - | 60,0 | 22,0 | 19,0 | with flanges | cast iron | | |
| STB30S8M50 | 30 | 4 | 1615 | 84,0 | 76,39 | 75,02 | 58,0 | - | 60,0 | 38,0 | 22,0 | | | | |
| STB32S8M50 | 32 | 4 | 1615 | 88,0 | 81,49 | 80,12 | 60,0 | - | 60,0 | 38,0 | 22,0 | | | | |
| STB34S8M50 | 34 | 4 | 1615 | 94,0 | 86,58 | 85,21 | 66,0 | - | 60,0 | 38,0 | 22,0 | | | | |
| STB36S8M50 | 36 | 4 | 1615 | 98,0 | 91,67 | 90,30 | 68,0 | - | 60,0 | 38,0 | 22,0 | | | | |
| STB38S8M50 | 38 | 4 | 1615 | 104,0 | 96,77 | 95,39 | 75,0 | - | 60,0 | 38,0 | 22,0 | | | | |
| STB40S8M50 | 40 | 5 | 2012 | 108,0 | 101,86 | 100,49 | 80,0 | - | 60,0 | 32,0 | 14,0 | | | | |
| STB44S8M50 | 44 | 5 | 2012 | 121,0 | 112,05 | 110,67 | 90,0 | - | 60,0 | 32,0 | 14,0 | | | | |
| STB48S8M50 | 48 | 5 | 2012 | 129,0 | 122,23 | 120,86 | 100,0 | - | 60,0 | 32,0 | 14,0 | | | | |
| STB56S8M50 | 56 | 5 | 2517 | 149,0 | 142,60 | 141,23 | 120,0 | - | 60,0 | 45,0 | 7,5 | | | | |
| STB64S8M50 | 64 | 8 | 2517 | 168,0 | 162,97 | 161,60 | 138,0 | 120,0 | 60,0 | 45,0 | 7,5 | | | | |
| STB72S8M50 | 72 | 8 | 2517 | 191,0 | 183,35 | 181,97 | 158,0 | 120,0 | 60,0 | 45,0 | 7,5 | | | | |
| STB80S8M50 | 80 | 8A | 3020 | - | 203,72 | 202,35 | 178,0 | 160,0 | 60,0 | 51,0 | 4,5 | | | without flanges | cast iron |
| STB90S8M50 | 90 | 8A | 3020 | - | 229,18 | 227,81 | 204,0 | 160,0 | 60,0 | 51,0 | 4,5 | | | | |
| STB112S8M50 | 112 | 8B | 3020 | - | 285,21 | 283,83 | 260,0 | 160,0 | 60,0 | 51,0 | 4,5 | | | | |
| STB144S8M50 | 144 | 8B | 3020 | - | 366,69 | 365,32 | 341,0 | 160,0 | 60,0 | 51,0 | 4,5 | | | | |
| STB168S8M50 | 168 | 8B | 3020 | - | 427,80 | 426,42 | 402,0 | 160,0 | 60,0 | 51,0 | 4,5 | | | | |
| STB192S8M50 | 192 | 8B | 3020 | - | 488,92 | 487,54 | 462,0 | 160,0 | 60,0 | 51,0 | 4,5 | | | | |



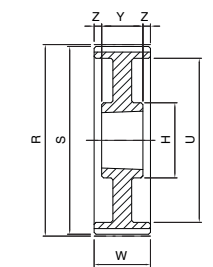
4



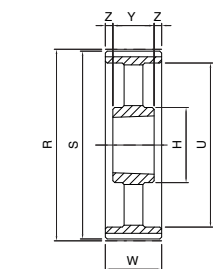
5



8



8A



8B

STB ... S8M 85

8M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| STB34S8M85 | 34 | 5 | 1615 | 94,0 | 86,58 | 85,21 | 66,0 | - | 95,0 | 38,0 | 28,5 | with flanges | cast iron |
| STB36S8M85 | 36 | 5 | 1615 | 98,0 | 91,67 | 90,30 | 68,0 | - | 95,0 | 38,0 | 28,5 | | |
| STB38S8M85 | 38 | 5 | 1615 | 104,0 | 96,77 | 95,39 | 75,0 | - | 95,0 | 38,0 | 28,5 | | |
| STB40S8M85 | 40 | 5 | 2012 | 108,0 | 101,86 | 100,49 | 80,0 | - | 95,0 | 32,0 | 31,5 | | |
| STB44S8M85 | 44 | 5 | 2012 | 121,0 | 112,05 | 110,67 | 90,0 | - | 95,0 | 32,0 | 31,5 | | |
| STB48S8M85 | 48 | 5 | 2517 | 129,0 | 122,23 | 120,86 | 100,0 | - | 95,0 | 45,0 | 25,0 | | |
| STB56S8M85 | 56 | 5 | 2517 | 149,0 | 142,60 | 141,23 | 120,0 | - | 95,0 | 45,0 | 25,0 | | |
| STB64S8M85 | 64 | 5 | 2517 | 168,0 | 162,97 | 161,60 | 138,0 | - | 95,0 | 45,0 | 25,0 | | |
| STB72S8M85 | 72 | 5 | 3020 | 191,0 | 183,35 | 181,97 | 158,0 | - | 95,0 | 51,0 | 22,0 | | |
| STB80S8M85 | 80 | 8A | 3020 | - | 203,72 | 202,35 | 178,0 | 160,0 | 95,0 | 51,0 | 22,0 | | |
| STB90S8M85 | 90 | 8A | 3020 | - | 229,18 | 227,81 | 204,0 | 160,0 | 95,0 | 51,0 | 22,0 | | |
| STB112S8M85 | 112 | 8B | 3020 | - | 285,21 | 283,83 | 260,0 | 160,0 | 95,0 | 51,0 | 22,0 | | |
| STB144S8M85 | 144 | 8B | 3030 | - | 366,69 | 365,32 | 341,0 | 160,0 | 95,0 | 76,0 | 9,5 | | |
| STB168S8M85 | 168 | 8B | 3030 | - | 427,80 | 426,42 | 402,0 | 160,0 | 95,0 | 76,0 | 9,5 | | |
| STB192S8M85 | 192 | 8B | 3030 | - | 488,92 | 487,54 | 462,0 | 160,0 | 95,0 | 76,0 | 9,5 | | |

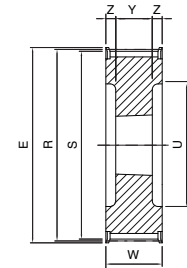
Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT®



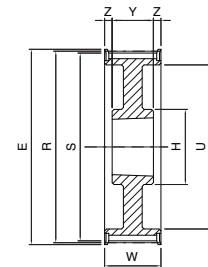
STB ... S14M 40

14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|-----------------|
| STB28S14M40 | 28 | 5 | 2012 | 134,0 | 124,78 | 121,98 | 98,0 | - | 54,0 | 32,0 | 11,0 | with flanges | cast iron | |
| STB29S14M40 | 29 | 5 | 2012 | 134,0 | 129,23 | 126,44 | 100,0 | - | 54,0 | 32,0 | 11,0 | | | |
| STB30S14M40 | 30 | 5 | 2012 | 142,0 | 133,69 | 130,90 | 100,0 | - | 54,0 | 32,0 | 11,0 | | | |
| STB32S14M40 | 32 | 5 | 2012 | 150,0 | 142,60 | 139,81 | 104,0 | - | 54,0 | 32,0 | 11,0 | | | |
| STB34S14M40 | 34 | 5 | 2517 | 158,0 | 151,51 | 148,72 | 110,0 | - | 54,0 | 45,0 | 4,5 | | | |
| STB36S14M40 | 36 | 5 | 2517 | 166,0 | 160,43 | 157,63 | 120,0 | - | 54,0 | 45,0 | 4,5 | | | |
| STB38S14M40 | 38 | 5 | 2517 | 177,0 | 169,34 | 166,55 | 130,0 | - | 54,0 | 45,0 | 4,5 | | | |
| STB40S14M40 | 40 | 5 | 2517 | 186,0 | 178,25 | 175,46 | 138,0 | - | 54,0 | 45,0 | 4,5 | | | |
| STB44S14M40 | 44 | 5 | 3020 | 209,0 | 196,08 | 193,28 | 154,0 | - | 54,0 | 51,0 | 1,5 | | | |
| STB48S14M40 | 48 | 5 | 3020 | 216,0 | 213,90 | 211,11 | 172,0 | - | 54,0 | 51,0 | 1,5 | | | |
| STB56S14M40 | 56 | 8 | 3020 | 261,0 | 249,56 | 246,76 | 207,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | |
| STB64S14M40 | 64 | 8 | 3020 | 288,0 | 285,21 | 282,41 | 243,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | |
| STB72S14M40 | 72 | 8A | 3020 | - | 320,86 | 318,06 | 279,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | without flanges |
| STB80S14M40 | 80 | 8B | 3020 | - | 356,51 | 353,71 | 314,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | |
| STB90S14M40 | 90 | 8B | 3020 | - | 401,07 | 398,28 | 359,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | |
| STB112S14M40 | 112 | 8B | 3020 | - | 499,11 | 496,32 | 457,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | |
| STB144S14M40 | 144 | 8B | 3020 | - | 641,71 | 638,92 | 600,0 | 160,0 | 54,0 | 51,0 | 1,5 | | | |



5

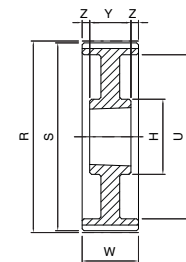


8

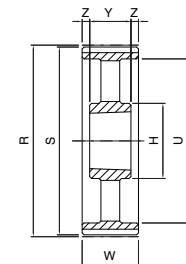
STB ... S14M 55

14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|-----------------|
| STB28S14M55 | 28 | 5 | 2012 | 134,0 | 124,78 | 121,98 | 98,0 | - | 70,0 | 32,0 | 19,0 | with flanges | cast iron | |
| STB29S14M55 | 29 | 5 | 2012 | 134,0 | 129,23 | 126,44 | 100,0 | - | 70,0 | 32,0 | 19,0 | | | |
| STB30S14M55 | 30 | 5 | 2517 | 142,0 | 133,69 | 130,90 | 100,0 | - | 70,0 | 45,0 | 12,5 | | | |
| STB32S14M55 | 32 | 5 | 2517 | 150,0 | 142,60 | 139,81 | 104,0 | - | 70,0 | 45,0 | 12,5 | | | |
| STB34S14M55 | 34 | 5 | 2517 | 158,0 | 151,51 | 148,72 | 110,0 | - | 70,0 | 45,0 | 12,5 | | | |
| STB36S14M55 | 36 | 5 | 2517 | 166,0 | 160,43 | 157,63 | 120,0 | - | 70,0 | 45,0 | 12,5 | | | |
| STB38S14M55 | 38 | 5 | 2517 | 177,0 | 169,34 | 166,55 | 130,0 | - | 70,0 | 45,0 | 12,5 | | | |
| STB40S14M55 | 40 | 5 | 2517 | 186,0 | 178,25 | 175,46 | 138,0 | - | 70,0 | 45,0 | 12,5 | | | |
| STB44S14M55 | 44 | 5 | 3020 | 209,0 | 196,08 | 193,28 | 154,0 | - | 70,0 | 51,0 | 9,5 | | | |
| STB48S14M55 | 48 | 5 | 3020 | 216,0 | 213,90 | 211,11 | 172,0 | - | 70,0 | 51,0 | 9,5 | | | |
| STB56S14M55 | 56 | 8 | 3020 | 261,0 | 249,56 | 246,76 | 207,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | |
| STB64S14M55 | 64 | 8 | 3020 | 288,0 | 285,21 | 282,41 | 243,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | |
| STB72S14M55 | 72 | 8A | 3020 | - | 320,86 | 318,06 | 279,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | without flanges |
| STB80S14M55 | 80 | 8B | 3020 | - | 356,51 | 353,71 | 314,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | |
| STB90S14M55 | 90 | 8B | 3020 | - | 401,07 | 398,28 | 359,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | |
| STB112S14M55 | 112 | 8B | 3020 | - | 499,11 | 496,32 | 457,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | |
| STB144S14M55 | 144 | 8B | 3020 | - | 641,71 | 638,92 | 600,0 | 160,0 | 70,0 | 51,0 | 9,5 | | | |



8A



8B

Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT®

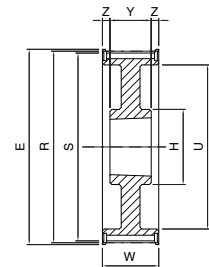
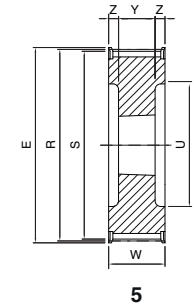


TIMING PULLEYS - STB

STB ... S14M 85

14M

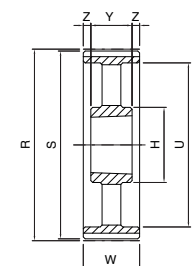
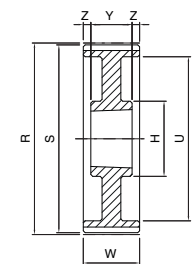
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| STB28S14M85 | 28 | 5 | 2517 | 134,0 | 124,78 | 121,98 | 98,0 | - | 102,0 | 45,0 | 28,5 | with flanges | cast iron |
| STB29S14M85 | 29 | 5 | 2517 | 134,0 | 129,23 | 126,44 | 100,0 | - | 102,0 | 45,0 | 28,5 | | |
| STB30S14M85 | 30 | 5 | 2517 | 142,0 | 133,69 | 130,90 | 100,0 | - | 102,0 | 45,0 | 28,5 | | |
| STB32S14M85 | 32 | 5 | 2517 | 150,0 | 142,60 | 139,81 | 104,0 | - | 102,0 | 45,0 | 28,5 | | |
| STB34S14M85 | 34 | 5 | 2517 | 158,0 | 151,51 | 148,72 | 110,0 | - | 102,0 | 45,0 | 28,5 | | |
| STB36S14M85 | 36 | 5 | 3020 | 166,0 | 160,43 | 157,63 | 120,0 | - | 102,0 | 51,0 | 25,5 | | |
| STB38S14M85 | 38 | 5 | 3020 | 177,0 | 169,34 | 166,55 | 130,0 | - | 102,0 | 51,0 | 25,5 | | |
| STB40S14M85 | 40 | 5 | 3020 | 186,0 | 178,25 | 175,46 | 138,0 | - | 102,0 | 51,0 | 25,5 | | |
| STB44S14M85 | 44 | 5 | 3030 | 209,0 | 196,08 | 193,28 | 154,0 | - | 102,0 | 76,0 | 13,0 | | |
| STB48S14M85 | 48 | 5 | 3030 | 216,0 | 213,90 | 211,11 | 172,0 | - | 102,0 | 76,0 | 13,0 | | |
| STB56S14M85 | 56 | 5 | 3535 | 261,0 | 249,56 | 246,76 | 207,0 | - | 102,0 | 89,0 | 6,5 | | |
| STB64S14M85 | 64 | 8 | 3535 | 288,0 | 285,21 | 282,41 | 243,0 | 178,0 | 102,0 | 89,0 | 6,5 | | |
| STB72S14M85 | 72 | 8A | 3535 | - | 320,86 | 318,06 | 279,0 | 178,0 | 102,0 | 89,0 | 6,5 | | |
| STB80S14M85 | 80 | 8B | 3535 | - | 356,51 | 353,71 | 314,0 | 178,0 | 102,0 | 89,0 | 6,5 | | |
| STB90S14M85 | 90 | 8B | 3535 | - | 401,07 | 398,28 | 359,0 | 178,0 | 102,0 | 89,0 | 6,5 | | |
| STB112S14M85 | 112 | 8B | 3535 | - | 499,11 | 496,32 | 457,0 | 178,0 | 102,0 | 89,0 | 6,5 | | |
| STB144S14M85 | 144 | 8B | 3535 | - | 641,71 | 638,92 | 600,0 | 178,0 | 102,0 | 89,0 | 6,5 | | |
| | | | | | | | | | | | | without flanges | |



STB ... S14M 115

14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| STB28S14M115 | 28 | 5 | 2517 | 134,0 | 124,78 | 121,98 | 98,0 | - | 133,0 | 45,0 | 44,0 | with flanges | cast iron |
| STB29S14M115 | 29 | 5 | 2517 | 134,0 | 129,23 | 126,44 | 100,0 | - | 133,0 | 45,0 | 44,0 | | |
| STB30S14M115 | 30 | 5 | 2517 | 142,0 | 133,69 | 130,90 | 100,0 | - | 133,0 | 45,0 | 44,0 | | |
| STB32S14M115 | 32 | 5 | 2517 | 150,0 | 142,60 | 139,81 | 104,0 | - | 133,0 | 45,0 | 44,0 | | |
| STB34S14M115 | 34 | 5 | 2517 | 158,0 | 151,51 | 148,72 | 110,0 | - | 133,0 | 45,0 | 44,0 | | |
| STB36S14M115 | 36 | 5 | 3020 | 166,0 | 160,43 | 157,63 | 120,0 | - | 133,0 | 51,0 | 41,0 | | |
| STB38S14M115 | 38 | 5 | 3020 | 177,0 | 169,34 | 166,55 | 130,0 | - | 133,0 | 51,0 | 41,0 | | |
| STB40S14M115 | 40 | 5 | 3020 | 186,0 | 178,25 | 175,46 | 138,0 | - | 133,0 | 51,0 | 41,0 | | |
| STB44S14M115 | 44 | 5 | 3030 | 209,0 | 196,08 | 193,28 | 154,0 | - | 133,0 | 76,0 | 28,5 | | |
| STB48S14M115 | 48 | 5 | 3030 | 216,0 | 213,90 | 211,11 | 172,0 | - | 133,0 | 76,0 | 28,5 | | |
| STB56S14M115 | 56 | 5 | 3535 | 261,0 | 249,56 | 246,76 | 207,0 | - | 133,0 | 89,0 | 22,0 | | |
| STB64S14M115 | 64 | 8 | 3535 | 288,0 | 285,21 | 282,41 | 243,0 | 178,0 | 133,0 | 89,0 | 22,0 | | |
| STB72S14M115 | 72 | 8A | 3535 | - | 320,86 | 318,06 | 279,0 | 178,0 | 133,0 | 89,0 | 22,0 | | |
| STB80S14M115 | 80 | 8B | 3535 | - | 356,51 | 353,71 | 314,0 | 178,0 | 133,0 | 89,0 | 22,0 | | |
| STB90S14M115 | 90 | 8B | 3535 | - | 401,07 | 398,28 | 359,0 | 178,0 | 133,0 | 89,0 | 22,0 | | |
| STB112S14M115 | 112 | 8B | 3535 | - | 499,11 | 496,32 | 457,0 | 178,0 | 133,0 | 89,0 | 22,0 | | |
| STB144S14M115 | 144 | 8B | 4040 | - | 641,71 | 638,92 | 600,0 | 215,0 | 133,0 | 102,0 | 15,5 | | |
| | | | | | | | | | | | | without flanges | |



STB ... S14M 170

14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| STB38S14M170 | 38 | 5 | 3030 | 177,0 | 169,34 | 166,55 | 130,0 | - | 187,0 | 76,0 | 55,5 | with flanges | cast iron |
| STB40S14M170 | 40 | 5 | 3030 | 186,0 | 178,25 | 175,46 | 138,0 | - | 187,0 | 76,0 | 55,5 | | |
| STB44S14M170 | 44 | 5 | 3535 | 209,0 | 196,08 | 193,28 | 154,0 | - | 187,0 | 89,0 | 49,0 | | |
| STB48S14M170 | 48 | 5 | 3535 | 216,0 | 213,90 | 211,11 | 172,0 | - | 187,0 | 89,0 | 49,0 | | |
| STB56S14M170 | 56 | 5 | 3535 | 261,0 | 249,56 | 246,76 | 207,0 | - | 187,0 | 89,0 | 49,0 | | |
| STB64S14M170 | 64 | 5 | 4040 | 288,0 | 285,21 | 282,41 | 243,0 | - | 187,0 | 102,0 | 42,5 | | |
| STB72S14M170 | 72 | 5 | 4040 | - | 320,86 | 318,06 | 279,0 | 215,0 | 187,0 | 102,0 | 42,5 | | |
| STB80S14M170 | 80 | 8A | 4040 | - | 356,51 | 353,71 | 314,0 | 215,0 | 187,0 | 102,0 | 42,5 | | |
| STB90S14M170 | 90 | 8B | 4040 | - | 401,07 | 398,28 | 359,0 | 215,0 | 187,0 | 102,0 | 42,5 | | |
| STB112S14M170 | 112 | 8B | 5050 | - | 499,11 | 496,32 | 457,0 | 267,0 | 187,0 | 127,0 | 30,0 | | |
| STB144S14M170 | 144 | 8B | 5050 | - | 641,71 | 638,92 | 600,0 | 267,0 | 187,0 | 127,0 | 30,0 | | |
| | | | | | | | | | | | | without flanges | |

SIT timing pulleys - FALCON GTR

FALCON GTR pulleys produced by SIT have been specifically designed and developed to fit **FALCON Pd®** belts.

Only the use of SIT pulleys ensures optimal lifetime and performance of the transmission systems.

Pulleys **FALCON GTR** are the result of accurate studies and numerous laboratory tests through which we have achieved optimal matching and maximum noise reduction. SIT has a complete range of **FALCON GTR** pulleys designed for assembly with SER-SIT® taper bushing.

For mounting taper bushing SER-SIT®

Material: steel/cast iron/spheroidal cast iron

Finishing: protective surface treatment.

Pitch:

- 8M
- 14M



Special executions

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

$$\text{peripheral speed [m/s]} = \frac{\text{pulley diameter [mm]} \cdot \text{rpm}}{19100}$$

In order to reduce the system weight, the pulleys can be manufactured from light metals; in this case the lifetime will be reduced when compared to the standard because the nylon belt coating has a slightly abrasive effect. This disadvantage can be reduced with a high thickness anodization coating of the teeth.

Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.

Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.

In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal, both pulleys have to be flanged.

TOLERANCES

Pulley diameter tolerances

| External Diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 25,4 | -0,00 +0,05 |
| from 25,5 to 50,8 | -0,00 +0,08 |
| from 50,9 to 101,6 | -0,00 +0,10 |
| from 101,7 to 177,8 | -0,00 +0,13 |
| from 177,9 to 304,8 | -0,00 +0,15 |
| from 304,9 to 508,0 | -0,00 +0,18 |
| more than 508,1 | -0,00 +0,25 |

Radial circular runout

| External Diameter [mm] | Measured total eccentricity [mm] |
|------------------------|-------------------------------------|
| up to 200 | 0,13 |
| more than 200 | add 0,0005 for any mm more than 200 |

Cylindricity tolerance

| Pulley width | Tolerances |
|----------------|---|
| for any 100 mm | 0,1 mm without exceeding the external diameter tolerance |

Protective coating

All (steel and cast iron) pulleys are treated with surface process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.

On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes. For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used. For confirmation of the material actually available, please contact customer service.

Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT® itches 8M - 14M



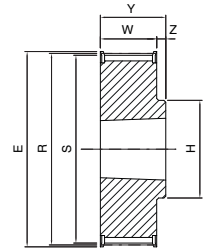
Part Number **PBG 34 G 8M 36**

FALCON GTR pulley - mounting taper bushing

Number of teeth

Pitch

Belt width in mm

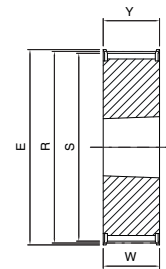


2

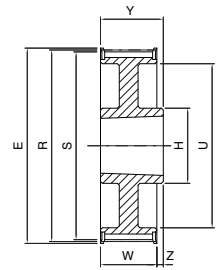
PBG ...G8M 12

8M

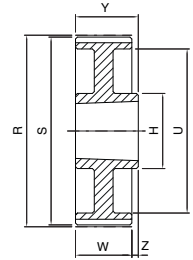
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|-------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PBG 22G8M12 | 22 | 6 | 1008 | 62,0 | 56,02 | 54,42 | - | - | 22,0 | 22,0 | - | cast iron |
| PBG 24G8M12 | 24 | 6 | 1108 | 67,0 | 61,12 | 59,52 | - | - | 22,0 | 22,0 | - | |
| PBG 25G8M12 | 25 | 6 | 1108 | 67,0 | 63,66 | 62,06 | - | - | 22,0 | 22,0 | - | |
| PBG 26G8M12 | 26 | 6 | 1108 | 73,0 | 66,21 | 64,61 | - | - | 22,0 | 22,0 | - | |
| PBG 27G8M12 | 27 | 6 | 1108 | 73,0 | 68,75 | 67,15 | - | - | 22,0 | 22,0 | - | |
| PBG 28G8M12 | 28 | 6 | 1108 | 77,0 | 71,30 | 69,70 | - | - | 22,0 | 22,0 | - | |
| PBG 30G8M12 | 30 | 6 | 1108 | 84,0 | 76,39 | 74,79 | - | - | 22,0 | 22,0 | - | |
| PBG 31G8M12 | 31 | 6 | 1108 | 84,0 | 78,94 | 77,34 | - | - | 22,0 | 22,0 | - | |
| PBG 32G8M12 | 32 | 2 | 1210 | 88,0 | 81,49 | 79,89 | - | 66,0 | 20,0 | 25,0 | 5,0 | steel |
| PBG 33G8M12 | 33 | 2 | 1610 | 94,0 | 84,03 | 82,43 | - | 72,0 | 20,0 | 25,0 | 5,0 | |
| PBG 34G8M12 | 34 | 2 | 1610 | 94,0 | 86,58 | 84,98 | - | 72,0 | 20,0 | 25,0 | 5,0 | |
| PBG 35G8M12 | 35 | 2 | 1610 | 94,0 | 89,13 | 87,53 | - | 72,0 | 20,0 | 25,0 | 5,0 | |
| PBG 36G8M12 | 36 | 2 | 1610 | 98,0 | 91,67 | 90,07 | - | 75,0 | 20,0 | 25,0 | 5,0 | |
| PBG 37G8M12 | 37 | 2 | 1610 | 100,0 | 94,22 | 92,62 | - | 77,0 | 20,0 | 25,0 | 5,0 | |
| PBG 38G8M12 | 38 | 2 | 1610 | 104,0 | 96,77 | 95,17 | - | 82,0 | 20,0 | 25,0 | 5,0 | |
| PBG 40G8M12 | 40 | 2 | 1610 | 108,0 | 101,86 | 100,26 | - | 89,0 | 20,0 | 25,0 | 5,0 | |
| PBG 41G8M12 | 41 | 2 | 1610 | 111,0 | 104,41 | 102,81 | - | 89,0 | 20,0 | 25,0 | 5,0 | |
| PBG 42G8M12 | 42 | 2 | 1610 | 113,0 | 106,95 | 105,35 | - | 91,0 | 20,0 | 25,0 | 5,0 | |
| PBG 44G8M12 | 44 | 2 | 2012 | 121,0 | 112,05 | 110,45 | - | 104,0 | 20,0 | 32,0 | 12,0 | |
| PBG 45G8M12 | 45 | 2 | 2012 | 121,0 | 114,59 | 112,99 | - | 104,0 | 20,0 | 32,0 | 12,0 | |
| PBG 48G8M12 | 48 | 2 | 2012 | 129,0 | 122,23 | 120,63 | - | 105,0 | 20,0 | 32,0 | 12,0 | |
| PBG 50G8M12 | 50 | 2 | 2012 | 131,0 | 127,32 | 125,72 | - | 105,0 | 20,0 | 32,0 | 12,0 | |
| PBG 53G8M12 | 53 | 2 | 2012 | 142,0 | 134,96 | 133,36 | - | 105,0 | 20,0 | 32,0 | 12,0 | |
| PBG 56G8M12 | 56 | 2 | 2012 | 149,0 | 142,60 | 141,00 | - | 105,0 | 20,0 | 32,0 | 12,0 | |
| PBG 60G8M12 | 60 | 2 | 2012 | 158,0 | 152,79 | 151,19 | - | 110,0 | 20,0 | 32,0 | 12,0 | |
| PBG 64G8M12 | 64 | 9 | 2012 | 168,0 | 162,97 | 161,37 | 140,0 | 110,0 | 20,0 | 32,0 | 12,0 | |
| PBG 67G8M12 | 67 | 9 | 2012 | 175,0 | 170,6 | 169,00 | 147,0 | 110,0 | 20,0 | 32,0 | 12,0 | |
| PBG 72G8M12 | 72 | 9 | 2012 | 191,0 | 183,35 | 181,75 | 158,0 | 110,0 | 20,0 | 32,0 | 12,0 | |
| PBG 75G8M12 | 75 | 9 | 2012 | 202,0 | 190,99 | 189,39 | 164,0 | 110,0 | 20,0 | 32,0 | 12,0 | |
| PBG 80G8M12 | 80 | 9 | 2012 | 216,0 | 203,72 | 202,12 | 178,0 | 110,0 | 20,0 | 32,0 | 12,0 | |
| PBG 90G8M12 | 90 | 9A | 2012 | - | 229,18 | 227,58 | 204,0 | 110,0 | 20,0 | 32,0 | 12,0 | |



6



9



9A

TIMING PULLEYS - PBG

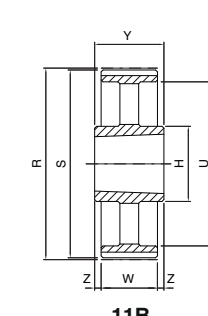
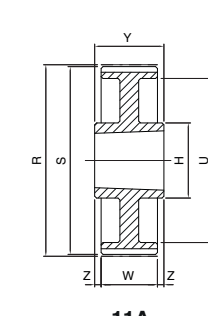
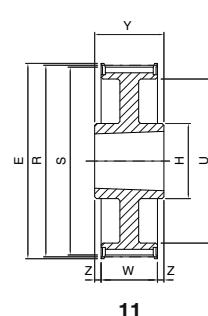
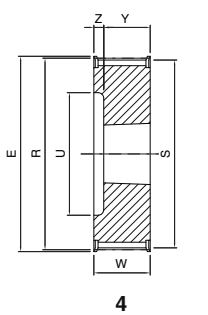
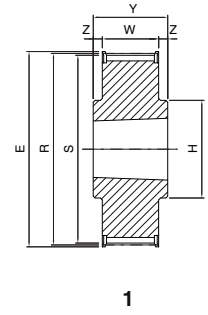
Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



PBG ...G8M 21

8M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PBG 22G8M21 | 22 | 4 | 1008 | 62,0 | 56,02 | 54,42 | 38,0 | - | 30,0 | 22,0 | 8,0 | cast iron |
| PBG 24G8M21 | 24 | 4 | 1108 | 67,0 | 61,12 | 59,52 | 42,0 | - | 30,0 | 22,0 | 8,0 | |
| PBG 25G8M21 | 25 | 4 | 1108 | 67,0 | 63,66 | 62,06 | 45,0 | - | 30,0 | 22,0 | 8,0 | |
| PBG 26G8M21 | 26 | 4 | 1108 | 73,0 | 66,21 | 64,61 | 45,0 | - | 30,0 | 22,0 | 8,0 | |
| PBG 27G8M21 | 27 | 4 | 1108 | 73,0 | 68,75 | 67,15 | 45,0 | - | 30,0 | 22,0 | 8,0 | |
| PBG 28G8M21 | 28 | 4 | 1108 | 77,0 | 71,30 | 69,70 | 52,0 | - | 30,0 | 22,0 | 8,0 | |
| PBG 30G8M21 | 30 | 4 | 1610 | 84,0 | 76,39 | 74,79 | 58,0 | - | 30,0 | 25,0 | 5,0 | steel |
| PBG 31G8M21 | 31 | 4 | 1610 | 84,0 | 78,94 | 77,34 | 58,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 32G8M21 | 32 | 4 | 1610 | 88,0 | 81,49 | 79,89 | 63,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 33G8M21 | 33 | 4 | 1610 | 88,0 | 84,04 | 82,44 | 63,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 34G8M21 | 34 | 4 | 1610 | 94,0 | 86,58 | 84,98 | 68,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 35G8M21 | 35 | 4 | 1610 | 94,0 | 89,13 | 87,53 | 68,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 36G8M21 | 36 | 4 | 1610 | 98,0 | 91,67 | 90,07 | 73,0 | - | 30,0 | 25,0 | 5,0 | cast iron |
| PBG 37G8M21 | 37 | 4 | 1610 | 100,0 | 94,22 | 92,62 | 75,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 38G8M21 | 38 | 4 | 1610 | 104,0 | 96,77 | 95,17 | 78,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 40G8M21 | 40 | 4 | 1610 | 108,0 | 101,86 | 100,26 | 83,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 41G8M21 | 41 | 4 | 1610 | 108,0 | 104,41 | 102,81 | 83,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 42G8M21 | 42 | 4 | 1610 | 111,0 | 106,70 | 105,10 | 86,0 | - | 30,0 | 25,0 | 5,0 | |
| PBG 44G8M21 | 44 | 1 | 2012 | 121,0 | 112,05 | 110,45 | - | 104,0 | 30,0 | 32,0 | 1,0 | |
| PBG 45G8M21 | 45 | 1 | 2012 | 121,0 | 114,59 | 112,99 | - | 104,0 | 30,0 | 32,0 | 1,0 | |
| PBG 48G8M21 | 48 | 1 | 2012 | 129,0 | 122,23 | 120,63 | - | 105,0 | 30,0 | 32,0 | 1,0 | |
| PBG 50G8M21 | 50 | 1 | 2012 | 131,0 | 127,32 | 125,72 | - | 105,0 | 30,0 | 32,0 | 1,0 | |
| PBG 53G8M21 | 53 | 1 | 2012 | 142,0 | 134,96 | 133,36 | - | 120,0 | 30,0 | 32,0 | 1,0 | |
| PBG 56G8M21 | 56 | 1 | 2012 | 149,0 | 142,60 | 141,00 | - | 105,0 | 30,0 | 32,0 | 1,0 | |
| PBG 60G8M21 | 60 | 1 | 2517 | 158,0 | 152,79 | 151,19 | - | 110,0 | 30,0 | 45,0 | 7,5 | |
| PBG 64G8M21 | 64 | 11 | 2517 | 168,0 | 162,97 | 161,37 | 138,0 | 120,0 | 30,0 | 45,0 | 7,5 | |
| PBG 67G8M21 | 67 | 11 | 2517 | 175,0 | 170,60 | 169,00 | 145,0 | 120,0 | 30,0 | 45,0 | 7,5 | |
| PBG 72G8M21 | 72 | 11 | 2517 | 191,0 | 183,35 | 181,75 | 158,0 | 120,0 | 30,0 | 45,0 | 7,5 | |
| PBG 75G8M21 | 75 | 11 | 2517 | 202,0 | 190,99 | 189,39 | 165,0 | 120,0 | 30,0 | 45,0 | 7,5 | |
| PBG 80G8M21 | 80 | 11 | 3020 | 216,0 | 203,72 | 202,12 | 178,0 | 160,0 | 30,0 | 51,0 | 10,5 | |
| PBG 90G8M21 | 90 | 11A | 3020 | - | 229,18 | 227,58 | 204,0 | 160,0 | 30,0 | 51,0 | 10,5 | |
| PBG 112G8M21 | 112 | 11B | 3020 | - | 285,21 | 283,61 | 260,0 | 160,0 | 30,0 | 51,0 | 10,5 | |
| PBG 140G8M21 | 140 | 11B | 3020 | - | 356,51 | 354,91 | 331,0 | 160,0 | 30,0 | 51,0 | 10,5 | |
| PBG 144G8M21 | 144 | 11B | 3020 | - | 366,69 | 365,09 | 341,0 | 160,0 | 30,0 | 51,0 | 10,5 | |



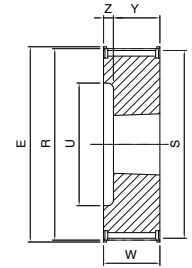
Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



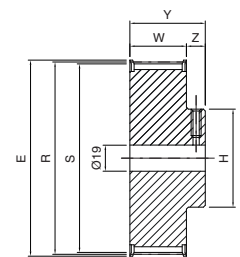
PBG ...G8M 36

8M

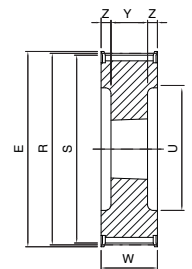
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PG 25G8M36 | 25 | 4C | - | 67,0 | 63,66 | 62,06 | - | 49,0 | 45,0 | 55,0 | 10,0 | steel |
| PG 26G8M36 | 26 | 4C | - | 73,0 | 66,21 | 64,61 | - | 49,0 | 45,0 | 55,0 | 10,0 | |
| PG 27G8M36 | 27 | 4C | - | 73,0 | 68,75 | 67,15 | - | 49,0 | 45,0 | 55,0 | 10,0 | |
| PG 28G8M36 | 28 | 4C | - | 77,0 | 71,30 | 69,70 | - | 49,0 | 45,0 | 55,0 | 10,0 | |
| PBG 30G8M36 | 30 | 4 | 1615 | 84,0 | 76,39 | 74,79 | 58,0 | - | 45,0 | 38,0 | 7,0 | steel |
| PBG 31G8M36 | 31 | 4 | 1615 | 84,0 | 78,94 | 77,34 | 58,0 | - | 45,0 | 38,0 | 7,0 | |
| PBG 32G8M36 | 32 | 4 | 1615 | 88,0 | 81,49 | 79,89 | 60,0 | - | 45,0 | 38,0 | 7,0 | |
| PBG 33G8M36 | 33 | 4 | 1615 | 88,0 | 84,03 | 82,43 | 60,0 | - | 45,0 | 38,0 | 7,0 | |
| PBG 34G8M36 | 34 | 4 | 1615 | 94,0 | 86,58 | 84,98 | 66,0 | - | 45,0 | 38,0 | 7,0 | cast iron |
| PBG 35G8M36 | 35 | 4 | 1615 | 94,0 | 89,13 | 87,53 | 66,0 | - | 45,0 | 38,0 | 7,0 | |
| PBG 36G8M36 | 36 | 4 | 1615 | 98,0 | 91,67 | 90,07 | 68,0 | - | 45,0 | 38,0 | 7,0 | |
| PBG 37G8M36 | 37 | 4 | 1615 | 100,0 | 94,22 | 92,62 | 70,0 | - | 45,0 | 38,0 | 7,0 | |
| PBG 38G8M36 | 38 | 4 | 1615 | 104,0 | 96,77 | 95,17 | 75,0 | - | 45,0 | 38,0 | 7,0 | steel |
| PBG 40G8M36 | 40 | 5 | 2012 | 108,0 | 101,86 | 100,26 | 80,0 | - | 45,0 | 32,0 | 6,5 | |
| PBG 41G8M36 | 41 | 5 | 2012 | 108,0 | 104,41 | 102,81 | 80,0 | - | 45,0 | 32,0 | 6,5 | |
| PBG 42G8M36 | 42 | 5 | 2012 | 111,0 | 106,95 | 105,35 | 80,0 | - | 45,0 | 32,0 | 6,5 | |
| PBG 44G8M36 | 44 | 5 | 2012 | 121,0 | 112,05 | 110,45 | 90,0 | - | 45,0 | 32,0 | 6,5 | steel |
| PBG 45G8M36 | 45 | 5 | 2012 | 121,0 | 114,59 | 112,99 | 90,0 | - | 45,0 | 32,0 | 6,5 | |
| PBG 48G8M36 | 48 | 5 | 2012 | 129,0 | 122,23 | 120,63 | 98,0 | - | 45,0 | 32,0 | 6,5 | |
| PBG 50G8M36 | 50 | 5 | 2012 | 131,0 | 127,32 | 125,72 | 103,0 | - | 45,0 | 32,0 | 6,5 | |
| PBG 53G8M36 | 53 | 5 | 2012 | 142,0 | 134,96 | 133,36 | 114,0 | - | 45,0 | 32,0 | 6,5 | cast iron |
| PBG 56G8M36 | 56 | 6 | 2517 | 149,0 | 142,60 | 141,00 | - | - | 45,0 | 45,0 | - | |
| PBG 60G8M36 | 60 | 6 | 2517 | 158,0 | 152,79 | 151,19 | - | - | 45,0 | 45,0 | - | |
| PBG 64G8M36 | 64 | 7 | 2517 | 168,0 | 162,97 | 161,37 | 138,0 | 120,0 | 45,0 | 45,0 | - | |
| PBG 67G8M36 | 67 | 7 | 2517 | 175,0 | 170,60 | 169,00 | 145,0 | 120,0 | 45,0 | 45,0 | - | cast iron |
| PBG 72G8M36 | 72 | 7 | 2517 | 191,0 | 183,35 | 181,75 | 158,0 | 120,0 | 45,0 | 45,0 | - | |
| PBG 75G8M36 | 75 | 11 | 3020 | 202,0 | 190,99 | 189,39 | 165,0 | 160,0 | 45,0 | 51,0 | 3,0 | |
| PBG 80G8M36 | 80 | 11 | 3020 | 216,0 | 203,72 | 202,12 | 178,0 | 160,0 | 45,0 | 51,0 | 3,0 | |
| PBG 90G8M36 | 90 | 11A | 3020 | - | 229,18 | 227,58 | 204,0 | 160,0 | 45,0 | 51,0 | 3,0 | cast iron |
| PBG 112G8M36 | 112 | 11B | 3020 | - | 285,21 | 283,61 | 260,0 | 160,0 | 45,0 | 51,0 | 3,0 | |
| PBG 140G8M36 | 140 | 11B | 3020 | - | 356,51 | 354,91 | 331,0 | 160,0 | 45,0 | 51,0 | 3,0 | |
| PBG 144G8M36 | 144 | 11B | 3020 | - | 366,69 | 365,09 | 341,0 | 160,0 | 45,0 | 51,0 | 3,0 | |
| PBG 168G8M36 | 168 | 11B | 3020 | - | 427,81 | 426,21 | 402,0 | 160,0 | 45,0 | 51,0 | 3,0 | cast iron |
| PBG 192G8M36 | 192 | 11B | 3020 | - | 488,92 | 487,32 | 462,0 | 160,0 | 45,0 | 51,0 | 3,0 | |



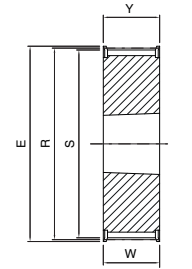
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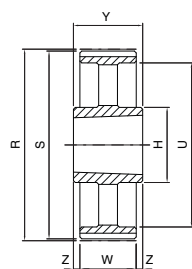
4C
Set screw M10



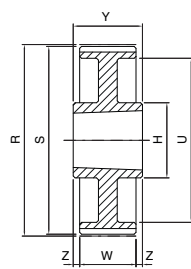
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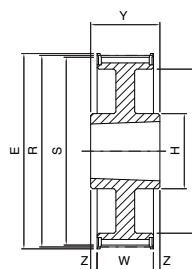
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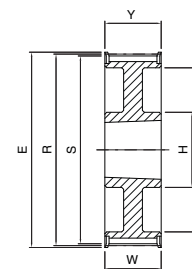
11B



11A



11



7

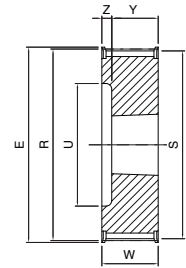
Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



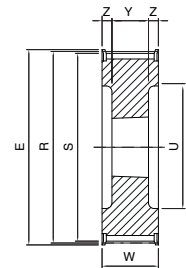
PBG ...G8M 62

8M

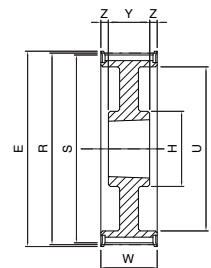
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PBG 30G8M62 | 30 | 4 | 1615 | 84,0 | 76,39 | 74,79 | 58,0 | - | 72,0 | 38,0 | 34,0 | steel |
| PBG 31G8M62 | 31 | 4 | 1615 | 88,0 | 78,94 | 77,34 | 60,0 | - | 72,0 | 38,0 | 34,0 | |
| PBG 32G8M62 | 32 | 4 | 1615 | 88,0 | 81,49 | 79,89 | 60,0 | - | 72,0 | 38,0 | 34,0 | |
| PBG 33G8M62 | 33 | 4 | 1615 | 90,0 | 84,04 | 82,44 | 62,0 | - | 72,0 | 38,0 | 34,0 | |
| PBG 34G8M62 | 34 | 5 | 1615 | 94,0 | 86,58 | 84,98 | 66,0 | - | 72,0 | 38,0 | 17,0 | cast iron |
| PBG 35G8M62 | 35 | 5 | 1615 | 94,0 | 89,13 | 87,53 | 66,0 | - | 72,0 | 38,0 | 17,0 | |
| PBG 36G8M62 | 36 | 5 | 1615 | 98,0 | 91,67 | 90,07 | 68,0 | - | 72,0 | 38,0 | 17,0 | |
| PBG 37G8M62 | 37 | 5 | 1615 | 100,0 | 94,22 | 92,62 | 70,0 | - | 72,0 | 38,0 | 17,0 | |
| PBG 38G8M62 | 38 | 5 | 1615 | 104,0 | 96,77 | 95,17 | 75,0 | - | 72,0 | 38,0 | 17,0 | steel |
| PBG 40G8M62 | 40 | 5 | 2012 | 108,0 | 101,86 | 100,26 | 80,0 | - | 72,0 | 32,0 | 20,0 | |
| PBG 41G8M62 | 41 | 5 | 2012 | 108,0 | 104,41 | 102,81 | 80,0 | - | 72,0 | 32,0 | 20,0 | |
| PBG 42G8M62 | 42 | 5 | 2012 | 111,0 | 106,95 | 105,35 | 80,0 | - | 72,0 | 32,0 | 20,0 | |
| PBG 44G8M62 | 44 | 5 | 2012 | 121,0 | 112,05 | 110,45 | 90,0 | - | 72,0 | 32,0 | 20,0 | cast iron |
| PBG 45G8M62 | 45 | 5 | 2012 | 121,0 | 114,59 | 112,99 | 92,0 | - | 72,0 | 32,0 | 20,0 | |
| PBG 48G8M62 | 48 | 5 | 2517 | 129,0 | 122,23 | 120,63 | 100,0 | - | 72,0 | 45,0 | 13,5 | steel |
| PBG 50G8M62 | 50 | 5 | 2517 | 131,0 | 127,32 | 125,72 | 105,0 | - | 72,0 | 45,0 | 13,5 | |
| PBG 53G8M62 | 53 | 5 | 2517 | 142,0 | 134,96 | 133,36 | 116,0 | - | 72,0 | 45,0 | 13,5 | |
| PBG 56G8M62 | 56 | 5 | 2517 | 149,0 | 142,60 | 141,00 | 120,0 | - | 72,0 | 45,0 | 13,5 | |
| PBG 60G8M62 | 60 | 5 | 2517 | 158,0 | 152,79 | 151,19 | 128,0 | - | 72,0 | 45,0 | 13,5 | cast iron |
| PBG 64G8M62 | 64 | 5 | 2517 | 168,0 | 162,97 | 161,37 | 138,0 | - | 72,0 | 45,0 | 13,5 | |
| PBG 67G8M62 | 67 | 5 | 3020 | 175,0 | 170,60 | 169,00 | 145,0 | - | 72,0 | 51,0 | 10,5 | |
| PBG 72G8M62 | 72 | 5 | 3020 | 191,0 | 183,35 | 181,75 | 158,0 | - | 72,0 | 51,0 | 10,5 | |
| PBG 75G8M62 | 75 | 5 | 3020 | 202,0 | 190,99 | 189,39 | 165,0 | - | 72,0 | 51,0 | 10,5 | steel |
| PBG 80G8M62 | 80 | 8 | 3020 | 216,0 | 203,72 | 202,12 | 178,0 | 160,0 | 72,0 | 51,0 | 10,5 | |
| PBG 90G8M62 | 90 | 8A | 3020 | - | 229,18 | 227,58 | 204,0 | 160,0 | 72,0 | 51,0 | 10,5 | |
| PBG 112G8M62 | 112 | 8B | 3020 | - | 285,21 | 283,61 | 260,0 | 160,0 | 72,0 | 51,0 | 10,5 | |
| PBG 140G8M62 | 140 | 11B | 3030 | - | 356,51 | 354,91 | 331,0 | 146,0 | 72,0 | 76,0 | 2,0 | cast iron |
| PBG 144G8M62 | 144 | 11B | 3030 | - | 366,69 | 365,09 | 341,0 | 146,0 | 72,0 | 76,0 | 2,0 | |
| PBG 168G8M62 | 168 | 11B | 3030 | - | 427,81 | 426,21 | 402,0 | 146,0 | 72,0 | 76,0 | 2,0 | |
| PBG 192G8M62 | 192 | 11B | 3030 | - | 488,92 | 487,32 | 462,0 | 146,0 | 72,0 | 76,0 | 2,0 | |



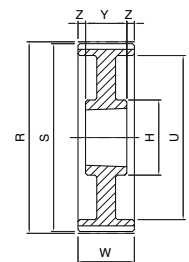
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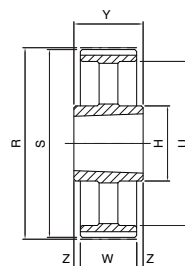
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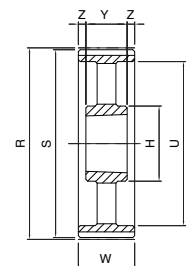
8



8A



11B



8B

Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®

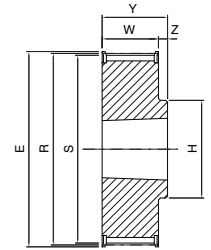


TIMING PULLEYS - PBG

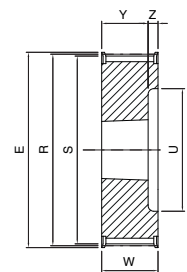
PBG ...G14M 20

14M

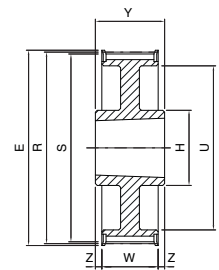
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|---------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PBG 28G14M20 | 28 | 3 | 2012 | 134,0 | 124,78 | 121,98 | 98,0 | - | 33,0 | 32,0 | 1,0 | cast iron |
| PBG 29G14M20 | 29 | 3 | 2012 | 134,0 | 129,23 | 126,43 | 100,0 | - | 33,0 | 32,0 | 1,0 | |
| PBG 30G14M20 | 30 | 3 | 2012 | 142,0 | 133,69 | 130,89 | 100,0 | - | 33,0 | 32,0 | 1,0 | |
| PBG 32G14M20 | 32 | 3 | 2012 | 150,0 | 142,60 | 139,80 | 104,0 | - | 33,0 | 32,0 | 1,0 | |
| PBG 34G14M20 | 34 | 2 | 2517 | 158,0 | 151,52 | 148,72 | - | 125,0 | 33,0 | 45,0 | 12,0 | |
| PBG 36G14M20 | 36 | 2 | 2517 | 166,0 | 160,43 | 157,63 | - | 125,0 | 33,0 | 45,0 | 12,0 | |
| PBG 38G14M20 | 38 | 2 | 2517 | 177,0 | 169,34 | 166,54 | - | 125,0 | 33,0 | 45,0 | 12,0 | |
| PBG 40G14M20 | 40 | 2 | 2517 | 186,0 | 178,25 | 175,45 | - | 125,0 | 33,0 | 45,0 | 12,0 | |
| PBG 44G14M20 | 44 | 2 | 3020 | 209,0 | 196,08 | 193,28 | - | 160,0 | 33,0 | 51,0 | 18,0 | |
| PBG 48G14M20 | 48 | 2 | 3020 | 216,0 | 213,90 | 211,11 | - | 160,0 | 33,0 | 51,0 | 18,0 | |
| PBG 50G14M20 | 50 | 2 | 3020 | 232,0 | 222,82 | 220,02 | - | 160,0 | 33,0 | 51,0 | 18,0 | |
| PBG 56G14M20 | 56 | 11 | 3020 | 261,0 | 249,55 | 246,76 | 207,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 60G14M20 | 60 | 11 | 3020 | 274,0 | 267,38 | 264,58 | 224,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 64G14M20 | 64 | 11 | 3020 | 288,0 | 285,21 | 282,41 | 243,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 72G14M20 | 72 | 11A | 3020 | - | 320,86 | 318,06 | 279,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 80G14M20 | 80 | 11B | 3020 | - | 356,51 | 353,71 | 314,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 90G14M20 | 90 | 11B | 3020 | - | 401,07 | 398,27 | 359,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 112G14M20 | 112 | 11B | 3020 | - | 499,11 | 496,31 | 457,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 140G14M20 | 140 | 11B | 3020 | - | 623,89 | 621,09 | 581,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 144G14M20 | 144 | 11B | 3020 | - | 641,71 | 638,92 | 600,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 168G14M20 | 168 | 11B | 3020 | - | 748,66 | 745,87 | 705,0 | 160,0 | 33,0 | 51,0 | 9,0 | |
| PBG 192G14M20 | 192 | 11B | 3535 | - | 855,62 | 852,82 | 812,0 | 178,0 | 33,0 | 89,0 | 28,0 | |
| PBG 216G14M20 | 216 | 11B | 3535 | - | 962,57 | 959,77 | 920,0 | 178,0 | 33,0 | 89,0 | 28,0 | |
| PBG 264G14M20 | 264 | 11B | 3535 | - | 1176,47 | 1173,67 | 1133,0 | 178,0 | 33,0 | 89,0 | 28,0 | |



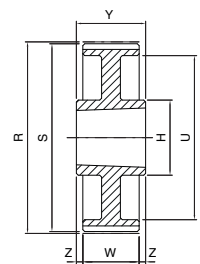
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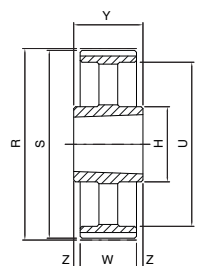
3



11



11A



11B

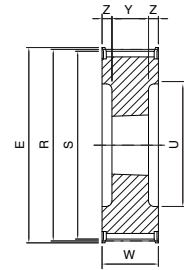
Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



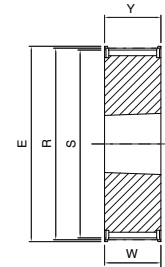
PBG ...G14M 37

14M

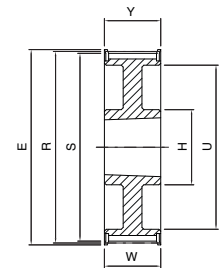
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|---------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PBG 28G14M37 | 28 | 5 | 2012 | 134,0 | 124,78 | 121,98 | 98,0 | - | 51,0 | 32,0 | 9,5 | cast iron |
| PBG 29G14M37 | 29 | 5 | 2012 | 134,0 | 129,23 | 126,43 | 100,0 | - | 51,0 | 32,0 | 9,5 | |
| PBG 30G14M37 | 30 | 5 | 2012 | 142,0 | 133,69 | 130,89 | 100,0 | - | 51,0 | 32,0 | 9,5 | |
| PBG 32G14M37 | 32 | 5 | 2012 | 150,0 | 142,60 | 139,80 | 104,0 | - | 51,0 | 32,0 | 9,5 | |
| PBG 34G14M37 | 34 | 5 | 2517 | 158,0 | 151,52 | 148,72 | 110,0 | - | 51,0 | 45,0 | 3,0 | |
| PBG 36G14M37 | 36 | 5 | 2517 | 166,0 | 160,43 | 157,63 | 120,0 | - | 51,0 | 45,0 | 3,0 | |
| PBG 38G14M37 | 38 | 5 | 2517 | 177,0 | 169,34 | 166,54 | 130,0 | - | 51,0 | 45,0 | 3,0 | |
| PBG 40G14M37 | 40 | 5 | 2517 | 186,0 | 178,25 | 175,45 | 138,0 | - | 51,0 | 45,0 | 3,0 | |
| PBG 44G14M37 | 44 | 6 | 3020 | 209,0 | 196,08 | 193,28 | - | - | 51,0 | 51,0 | - | |
| PBG 48G14M37 | 48 | 6 | 3020 | 216,0 | 213,90 | 211,11 | - | - | 51,0 | 51,0 | - | |
| PBG 50G14M37 | 50 | 6 | 3020 | 232,0 | 222,82 | 220,02 | - | - | 51,0 | 51,0 | - | |
| PBG 56G14M37 | 56 | 7 | 3020 | 261,0 | 249,55 | 246,76 | 207,0 | 160,0 | 51,0 | 51,0 | - | |
| PBG 60G14M37 | 60 | 7 | 3020 | 274,0 | 267,38 | 264,58 | 224,0 | 160,0 | 51,0 | 51,0 | - | |
| PBG 64G14M37 | 64 | 7 | 3020 | 288,0 | 285,21 | 282,41 | 243,0 | 160,0 | 51,0 | 51,0 | - | |
| PBG 72G14M37 | 72 | 7A | 3020 | - | 320,86 | 318,06 | 279,0 | 160,0 | 51,0 | 51,0 | - | |
| PBG 80G14M37 | 80 | 7B | 3020 | - | 356,51 | 353,71 | 314,0 | 160,0 | 51,0 | 51,0 | - | |
| PBG 90G14M37 | 90 | 7B | 3020 | - | 401,07 | 398,27 | 359,0 | 160,0 | 51,0 | 51,0 | - | |
| PBG 112G14M37 | 112 | 11B | 3535 | - | 499,11 | 496,31 | 457,0 | 178,0 | 51,0 | 89,0 | 19,0 | |
| PBG 140G14M37 | 140 | 11B | 3535 | - | 623,89 | 621,09 | 581,0 | 178,0 | 51,0 | 89,0 | 19,0 | |
| PBG 144G14M37 | 144 | 11B | 3535 | - | 641,71 | 638,92 | 600,0 | 178,0 | 51,0 | 89,0 | 19,0 | |
| PBG 168G14M37 | 168 | 11B | 3535 | - | 748,66 | 745,87 | 705,0 | 178,0 | 51,0 | 89,0 | 19,0 | |
| PBG 192G14M37 | 192 | 11B | 3535 | - | 855,62 | 852,82 | 812,0 | 178,0 | 51,0 | 89,0 | 19,0 | |
| PBG 216G14M37 | 216 | 11B | 4040 | - | 962,57 | 959,77 | 920,0 | 215,0 | 51,0 | 102,0 | 25,5 | |
| PBG 264G14M37 | 264 | 11B | 4040 | - | 1176,47 | 1173,67 | 1133,0 | 215,0 | 51,0 | 102,0 | 25,5 | |



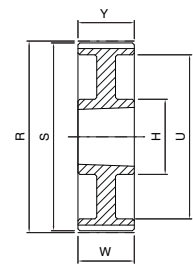
5



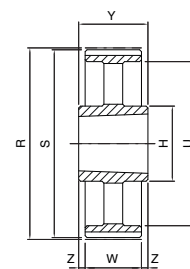
6



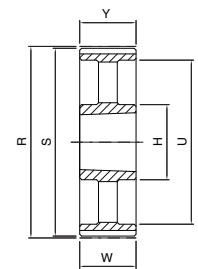
7



7A



11B



7B

Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



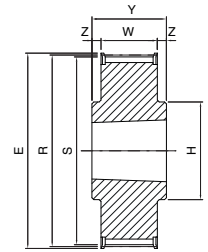
PBG ...G14M 68

14M

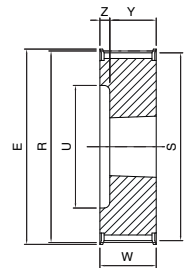
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|---------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PBG 28G14M68 | 28 | 5 | 2517 | 134,0 | 124,78 | 121,98 | 98,0 | - | 84,0 | 45,0 | 19,5 | steel |
| PBG 29G14M68 | 29 | 5 | 2517 | 134,0 | 129,23 | 126,43 | 100,0 | - | 84,0 | 45,0 | 19,5 | cast iron |
| PBG 30G14M68 | 30 | 5 | 2517 | 142,0 | 133,69 | 130,89 | 100,0 | - | 84,0 | 45,0 | 19,5 | |
| PBG 32G14M68* | 32 | 5 | 2517 | 150,0 | 142,60 | 139,80 | 104,0 | - | 84,0 | 45,0 | 19,5 | |
| PBG 34G14M68 | 34 | 4 | 3020 | 158,0 | 151,52 | 148,72 | 110,0 | - | 84,0 | 51,0 | 33,0 | GS400 |
| PBG 36G14M68 | 36 | 5 | 3020 | 166,0 | 160,43 | 157,63 | 120,0 | - | 84,0 | 51,0 | 16,5 | cast iron |
| PBG 38G14M68 | 38 | 5 | 3020 | 177,0 | 169,34 | 166,54 | 130,0 | - | 84,0 | 51,0 | 16,5 | |
| PBG 40G14M68 | 40 | 5 | 3020 | 186,0 | 178,25 | 175,45 | 138,0 | - | 84,0 | 51,0 | 16,5 | |
| PBG 44G14M68 | 44 | 5 | 3030 | 209,0 | 196,08 | 193,28 | 154,0 | - | 84,0 | 76,0 | 4,0 | |
| PBG 48G14M68 | 48 | 5 | 3030 | 216,0 | 213,90 | 211,11 | 172,0 | - | 84,0 | 76,0 | 4,0 | |
| PBG 50G14M68 | 50 | 1 | 3535 | 232,0 | 222,82 | 220,02 | - | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 56G14M68 | 56 | 1 | 3535 | 261,0 | 249,55 | 246,76 | - | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 60G14M68 | 60 | 11 | 3535 | 274,0 | 267,38 | 264,58 | 224,0 | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 64G14M68 | 64 | 11 | 3535 | 288,0 | 285,21 | 282,41 | 243,0 | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 72G14M68 | 72 | 11A | 3535 | - | 320,86 | 318,06 | 279,0 | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 80G14M68 | 80 | 11B | 3535 | - | 356,51 | 353,71 | 314,0 | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 90G14M68 | 90 | 11B | 3535 | - | 401,07 | 398,27 | 359,0 | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 112G14M68 | 112 | 11B | 3535 | - | 499,11 | 496,31 | 457,0 | 178,0 | 84,0 | 89,0 | 2,5 | |
| PBG 140G14M68 | 140 | 11B | 4040 | - | 623,89 | 621,09 | 581,0 | 215,0 | 84,0 | 102,0 | 9,0 | |
| PBG 144G14M68 | 144 | 11B | 4040 | - | 641,71 | 638,92 | 600,0 | 215,0 | 84,0 | 102,0 | 9,0 | |
| PBG 168G14M68 | 168 | 11B | 4040 | - | 748,66 | 745,87 | 705,0 | 215,0 | 84,0 | 102,0 | 9,0 | |
| PBG 192G14M68 | 192 | 11B | 4040 | - | 855,62 | 852,82 | 812,0 | 215,0 | 84,0 | 102,0 | 9,0 | |
| PBG 216G14M68 | 216 | 11B | 5050 | - | 962,57 | 959,77 | 920,0 | 267,0 | 84,0 | 127,0 | 21,5 | |
| PBG 264G14M68 | 264 | 11B | 5050 | - | 1176,47 | 1173,67 | 1133,0 | 267,0 | 84,0 | 127,0 | 21,5 | |

*= New standard

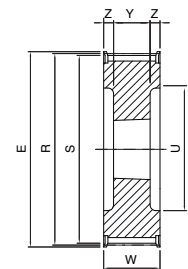
GS400 = spheroidal cast iron



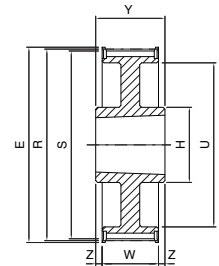
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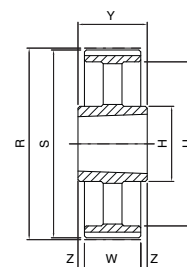
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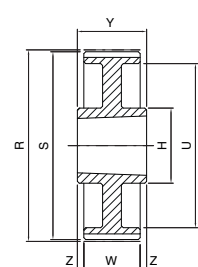
5



11



11B



11A

Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®

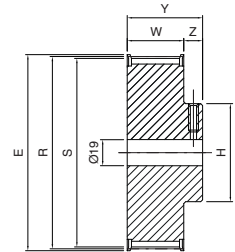


PBG ...G14M 90

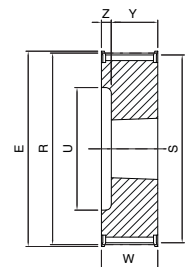
14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|---------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PG 28G14M90 | 28 | 4C | - | 134,0 | 124,78 | 121,98 | - | 100,0 | 106,0 | 121,0 | 15,0 | cast iron |
| PG 29G14M90 | 29 | 4C | - | 134,0 | 129,23 | 126,43 | - | 100,0 | 106,0 | 121,0 | 15,0 | |
| PG 30G14M90 | 30 | 4C | - | 142,0 | 133,69 | 130,89 | - | 105,0 | 106,0 | 121,0 | 15,0 | |
| PG 32G14M90* | 32 | 4C | - | 150,0 | 142,60 | 139,80 | - | 110,0 | 106,0 | 121,0 | 15,0 | |
| PBG 34G14M90 | 34 | 4 | 3020 | 158,0 | 151,52 | 148,72 | 110,0 | - | 106,0 | 51,0 | 55,0 | GS400 |
| PBG 36G14M90 | 36 | 5 | 3020 | 166,0 | 160,43 | 157,63 | 120,0 | - | 106,0 | 51,0 | 27,5 | cast iron |
| PBG 38G14M90 | 38 | 5 | 3020 | 177,0 | 169,34 | 166,54 | 130,0 | - | 106,0 | 51,0 | 27,5 | |
| PBG 40G14M90 | 40 | 5 | 3020 | 186,0 | 178,25 | 175,45 | 138,0 | - | 106,0 | 51,0 | 27,5 | |
| PBG 44G14M90 | 44 | 5 | 3030 | 209,0 | 196,08 | 193,28 | 154,0 | - | 106,0 | 76,0 | 15,0 | |
| PBG 48G14M90 | 48 | 5 | 3030 | 216,0 | 213,90 | 211,11 | 172,0 | - | 106,0 | 76,0 | 15,0 | |
| PBG 50G14M90 | 50 | 5 | 3535 | 232,0 | 222,82 | 220,02 | 181,0 | - | 106,0 | 89,0 | 8,5 | |
| PBG 56G14M90 | 56 | 5 | 3535 | 261,0 | 249,55 | 246,76 | 207,0 | - | 106,0 | 89,0 | 8,5 | |
| PBG 60G14M90 | 60 | 5 | 3535 | 274,0 | 267,38 | 264,58 | 225,0 | - | 106,0 | 89,0 | 8,5 | |
| PBG 64G14M90 | 64 | 8 | 3535 | 288,0 | 285,21 | 282,41 | 243,0 | 178,0 | 106,0 | 89,0 | 8,5 | |
| PBG 72G14M90 | 72 | 8A | 3535 | - | 320,86 | 318,06 | 279,0 | 178,0 | 106,0 | 89,0 | 8,5 | |
| PBG 80G14M90 | 80 | 8B | 3535 | - | 356,51 | 353,71 | 314,0 | 178,0 | 106,0 | 89,0 | 8,5 | |
| PBG 90G14M90 | 90 | 8B | 3535 | - | 401,07 | 398,27 | 359,0 | 178,0 | 106,0 | 89,0 | 8,5 | |
| PBG 112G14M90 | 112 | 8B | 4040 | - | 499,11 | 496,31 | 457,0 | 215,0 | 106,0 | 102,0 | 2,0 | |
| PBG 140G14M90 | 140 | 8B | 4040 | - | 623,89 | 621,09 | 582,0 | 215,0 | 106,0 | 102,0 | 2,0 | |
| PBG 144G14M90 | 144 | 8B | 4040 | - | 641,71 | 638,92 | 600,0 | 215,0 | 106,0 | 102,0 | 2,0 | |
| PBG 168G14M90 | 168 | 11B | 5050 | - | 748,66 | 745,87 | 705,0 | 267,0 | 106,0 | 127,0 | 10,5 | |
| PBG 192G14M90 | 192 | 11B | 5050 | - | 855,62 | 852,82 | 812,0 | 267,0 | 106,0 | 127,0 | 10,5 | |
| PBG 216G14M90 | 216 | 11B | 5050 | - | 962,57 | 959,77 | 920,0 | 267,0 | 106,0 | 127,0 | 10,5 | |
| PBG 264G14M90 | 264 | 11B | 6050 | - | 1176,47 | 1173,67 | 1133,0 | 395,0 | 106,0 | 127,0 | 10,5 | |

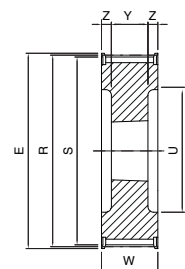
*= New standard
GS400 = spheroidal cast iron



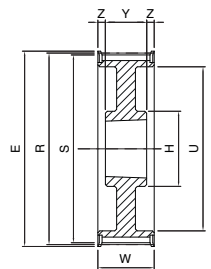
4C
Set screw



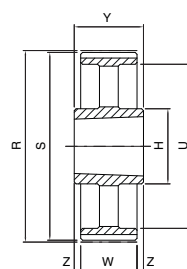
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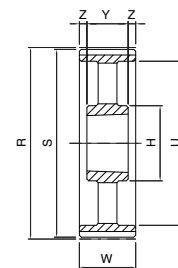
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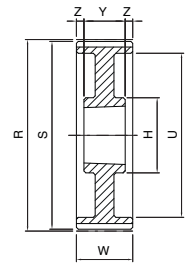
8



11B



8B



8A

Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®

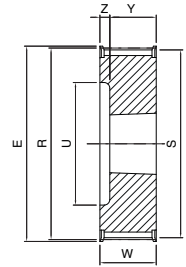


PBG ...G14M 125

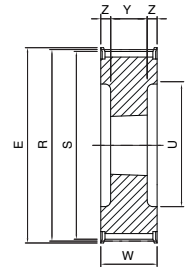
14M

| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|----------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PBG 38G14M125 | 38 | 4 | 3535 | 177,0 | 169,34 | 166,54 | 130,0 | - | 141,0 | 89,0 | 52,0 | GS400 |
| PBG 40G14M125 | 40 | 4 | 3535 | 186,0 | 178,25 | 175,45 | 138,0 | - | 141,0 | 89,0 | 52,0 | |
| PBG 44G14M125 | 44 | 5 | 3535 | 209,0 | 196,08 | 193,28 | 154,0 | - | 141,0 | 89,0 | 26,0 | |
| PBG 48G14M125 | 48 | 5 | 3535 | 216,0 | 213,90 | 211,11 | 172,0 | - | 141,0 | 89,0 | 26,0 | |
| PBG 50G14M125 | 50 | 5 | 3535 | 232,0 | 222,82 | 220,02 | 180,0 | - | 141,0 | 89,0 | 26,0 | cast iron |
| PBG 56G14M125 | 56 | 5 | 3535 | 261,0 | 249,55 | 246,76 | 207,0 | - | 141,0 | 89,0 | 26,0 | |
| PBG 60G14M125 | 60 | 5 | 4040 | 274,0 | 267,38 | 264,58 | 224,0 | - | 141,0 | 102,0 | 19,5 | |
| PBG 64G14M125 | 64 | 5 | 4040 | 288,0 | 285,21 | 282,41 | 243,0 | - | 141,0 | 102,0 | 19,5 | |
| PBG 72G14M125 | 72 | 8A | 4040 | - | 320,86 | 318,06 | 279,0 | 215,0 | 141,0 | 102,0 | 19,5 | |
| PBG 80G14M125 | 80 | 8A | 4040 | - | 356,51 | 353,71 | 314,0 | 215,0 | 141,0 | 102,0 | 19,5 | |
| PBG 90G14M125 | 90 | 8B | 4040 | - | 401,07 | 398,27 | 359,0 | 215,0 | 141,0 | 102,0 | 19,5 | |
| PBG 112G14M125 | 112 | 8B | 5050 | - | 499,11 | 496,31 | 457,0 | 267,0 | 141,0 | 127,0 | 7,0 | |
| PBG 140G14M125 | 140 | 8B | 5050 | - | 623,89 | 621,09 | 581,0 | 267,0 | 141,0 | 127,0 | 7,0 | |
| PBG 144G14M125 | 144 | 8B | 5050 | - | 641,71 | 638,92 | 600,0 | 267,0 | 141,0 | 127,0 | 7,0 | |
| PBG 168G14M125 | 168 | 8B | 5050 | - | 748,66 | 745,87 | 705,0 | 267,0 | 141,0 | 127,0 | 7,0 | |
| PBG 192G14M125 | 192 | 8B | 6050 | - | 855,62 | 852,82 | 812,0 | 395,0 | 141,0 | 127,0 | 7,0 | |
| PBG 216G14M125 | 216 | 8B | 6050 | - | 962,57 | 959,77 | 920,0 | 395,0 | 141,0 | 127,0 | 7,0 | |
| PBG 264G14M125 | 264 | 8B | 6050 | - | 1176,47 | 1173,67 | 1133,0 | 395,0 | 141,0 | 127,0 | 7,0 | |

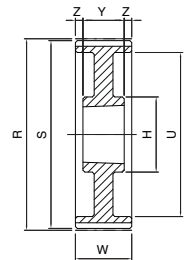
GS400 = spheroidal cast iron



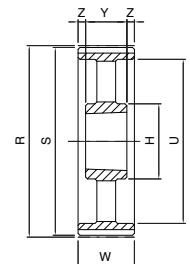
4



5



8A



8B

SIT timing pulleys - EAGLE

The SIT **EAGLE** pulleys, manufactured with innovative high-tech equipments, have been specifically designed to fit with the **SILENT SYNC**® belt.

This combination, thanks to the continuous and gradual engagement of the belt with the pulleys, is the best solution existing today in terms of noise abatement, wear reduction and vibration dampening.

The **EAGLE** transmission is the only one that guarantees the self-alignment, even under high load conditions or extreme peripheral speed. For this reason **EAGLE** pulleys don't need flanges; the result is a more compact drive system.

The standard **EAGLE** pulleys are statically balanced.

Solid hub

Material: steel/spheroidal cast iron/cast iron/aluminum.
Finishing: protective surface treatment.

Pitch:

- 5M
- 8M
- 10M
- 14M



For mounting taper bushing SER-SIT®

Material: steel/spheroidal cast iron/cast iron.
Finishing: protective surface treatment.

Pitch:

- 14M



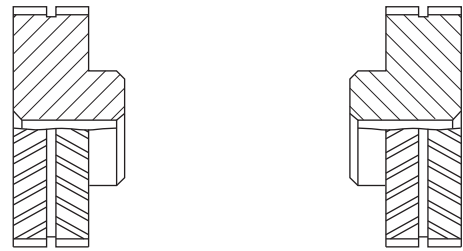
Special executions

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

In case of aluminium execution is possible to reduce the pulley abrasion, due to the nylon belt coating, thanks to a high thickness anodization coating on the pulley teeth (on request).

$$\text{peripheral speed [m/s]} = \frac{\text{pulley diameter [mm]} \cdot \text{rpm}}{19100}$$



Attention: for non-standard executions, it is important to indicate the orientation of the teeth relative to the position of the hub (as per above pictures).

TOLERANCES

Pulley diameter tolerances

| External Diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 101,6 | -0,00 +0,13 |
| from 101,7 to 177,8 | -0,00 +0,13 |
| from 177,9 to 304,8 | -0,00 +0,15 |
| from 304,9 to 508,0 | -0,00 +0,18 |
| from 508,1 to 750,0 | -0,00 +0,20 |

Radial circular runout

| External Diameter [mm] | Tolerances [mm] |
|------------------------|-----------------|
| up to 101,6 | 0,13 |
| from 101,7 to 177,8 | 0,13 |
| from 177,9 to 304,8 | 0,15 |
| from 304,9 to 508,0 | 0,20 |
| from 508,1 to 750,0 | 0,30 |

Cylindricity tolerance

| Pulley width | Tolerances |
|----------------|---|
| for any 100 mm | 0,1 mm without exceeding the external diameter tolerance |

Protective coating

All (steel and cast iron) pulleys are treated with surface process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.

On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes. For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used. For confirmation of the material actually available, please contact customer service.

Dimensions of timing pulleys EAGLE - solid hub pitches 8M - 14M



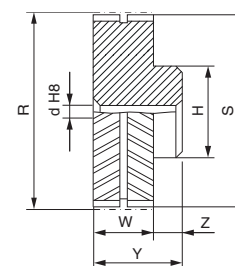
| | | | | |
|---------------------------------|----|---|------|------|
| Part Number | PE | Y | -32S | -MPB |
| EAGLE timing pulley - solid hub | | | | |
| Belt width | | | | |
| Number of teeth | | | | |
| Solid hub | | | | |

Type "Yellow" Y - belt width W = 16 mm

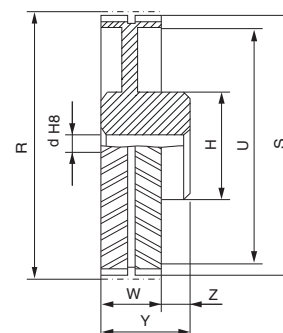
8M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEY-18S-MPB | 18 | 1 | 45,84 | 44,47 | - | 38,4 | 12,7 | 17,0 | 27,0 | 10,0 | 26,0 | steel |
| PEY-20S-MPB | 20 | 1 | 50,93 | 49,56 | - | 40,7 | 12,7 | 17,0 | 29,0 | 12,0 | 27,0 | |
| PEY-22S-MPB | 22 | 1 | 56,02 | 54,65 | - | 45,9 | 12,7 | 17,0 | 29,0 | 12,0 | 31,0 | |
| PEY-24S-MPB | 24 | 1 | 61,12 | 59,75 | - | 51,0 | 12,7 | 17,0 | 33,0 | 16,0 | 34,0 | |
| PEY-25S-MPB | 25 | 1 | 63,66 | 62,29 | - | 53,5 | 12,7 | 17,0 | 33,0 | 16,0 | 36,0 | |
| PEY-26S-MPB | 26 | 1 | 66,21 | 64,84 | - | 57,8 | 12,7 | 17,0 | 33,0 | 16,0 | 39,0 | |
| PEY-28S-MPB | 28 | 1 | 71,30 | 69,93 | - | 61,0 | 12,7 | 17,0 | 33,0 | 16,0 | 41,0 | |
| PEY-30S-MPB | 30 | 1 | 76,40 | 75,03 | - | 67,0 | 12,7 | 17,0 | 33,0 | 16,0 | 45,0 | |
| PEY-32S-MPB | 32 | 1 | 81,49 | 80,12 | - | 72,0 | 12,7 | 17,0 | 33,0 | 16,0 | 48,0 | |
| PEY-34S-MPB | 34 | 1 | 86,58 | 85,21 | - | 77,0 | 12,7 | 17,0 | 33,0 | 16,0 | 51,0 | |
| PEY-36S-MPB | 36 | 1 | 91,68 | 90,30 | - | 82,0 | 12,7 | 17,0 | 33,0 | 16,0 | 55,0 | |
| PEY-38S-MPB | 38 | 1 | 96,77 | 95,40 | - | 87,0 | 12,7 | 17,0 | 33,0 | 16,0 | 58,0 | |
| PEY-40S-MPB | 40 | 1 | 101,86 | 100,49 | - | 92,0 | 12,7 | 17,0 | 33,0 | 16,0 | 62,0 | |
| PEY-44S-MPB | 44 | 1 | 112,05 | 110,68 | - | 102,0 | 12,7 | 17,0 | 33,0 | 16,0 | 68,0 | |
| PEY-45S-MPB | 45 | 1 | 114,59 | 113,22 | - | 105,0 | 12,7 | 17,0 | 33,0 | 16,0 | 70,0 | |
| PEY-48S-MPB | 48 | 1 | 122,23 | 120,86 | - | 112,0 | 12,7 | 17,0 | 33,0 | 16,0 | 75,0 | |
| PEY-50S-MPB | 50 | 1 | 127,33 | 125,96 | - | 118,0 | 12,7 | 17,0 | 33,0 | 16,0 | 79,0 | |
| PEY-52S-MPB | 52 | 1 | 132,42 | 131,05 | - | 123,0 | 12,7 | 17,0 | 33,0 | 16,0 | 82,0 | |
| PEY-56S-MPB | 56 | 1 | 142,61 | 141,24 | - | 133,0 | 12,7 | 17,0 | 33,0 | 16,0 | 89,0 | |
| PEY-60S-MPB | 60 | 1 | 152,79 | 151,42 | - | 143,0 | 12,7 | 17,0 | 33,0 | 16,0 | 96,0 | |
| PEY-63S-MPB | 63 | 2 | 160,43 | 159,06 | 139,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 73,0 | GS400 |
| PEY-64S-MPB | 64 | 2 | 162,98 | 161,61 | 142,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 74,0 | |
| PEY-68S-MPB | 68 | 2 | 173,17 | 171,79 | 152,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 74,0 | |
| PEY-72S-MPB | 72 | 2 | 183,35 | 181,98 | 162,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 74,0 | |
| PEY-75S-MPB | 75 | 2 | 190,99 | 189,62 | 170,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 73,0 | |
| PEY-76S-MPB | 76 | 2 | 193,54 | 192,17 | 172,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 74,0 | |
| PEY-80S-MPB | 80 | 2 | 203,72 | 202,35 | 182,0 | 110,0 | 12,7 | 17,0 | 33,0 | 16,0 | 73,0 | GG |
| PEY-90S-MPB | 90 | 2 | 229,19 | 227,82 | 208,0 | 110,0 | 25,4 | 17,0 | 33,0 | 16,0 | 73,0 | |
| PEY-112S-MPB | 112 | 2 | 285,21 | 283,84 | 264,0 | 110,0 | 25,4 | 17,0 | 33,0 | 16,0 | 73,0 | |
| PEY-140S-MPB | 140 | 2 | 356,52 | 355,15 | 335,0 | 110,0 | 25,4 | 17,0 | 33,0 | 16,0 | 73,0 | |
| PEY-180S-MPB | 180 | 3 | 458,38 | 457,01 | 433,0 | 150,0 | 25,4 | 17,0 | 33,0 | 16,0 | 100,0 | |
| PEY-224S-MPB | 224 | 3 | 570,43 | 569,06 | 545,0 | 150,0 | 25,4 | 17,0 | 33,0 | 16,0 | 100,0 | |

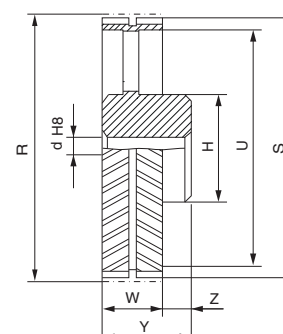
GS400 = spheroidal cast iron - GG = grey cast iron



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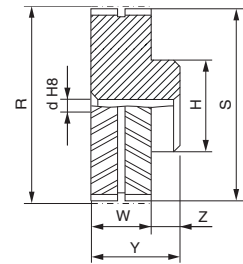
Dimensions of timing pulleys EAGLE - solid hub



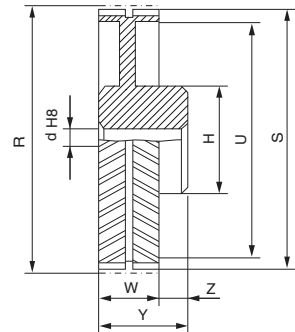
Type "White" W - belt width $W = 32 \text{ mm}$

8M

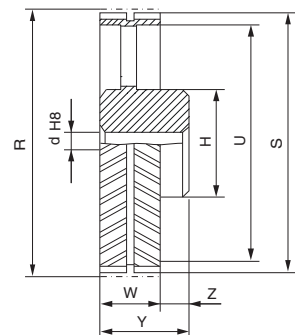
| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEW-18S-MPB | 18 | 1 | 45,84 | 44,47 | - | 38,4 | 12,7 | 33,0 | 43,0 | 10,0 | 26,0 | steel |
| PEW-20S-MPB | 20 | 1 | 50,93 | 49,56 | - | 40,7 | 12,7 | 33,0 | 45,0 | 12,0 | 27,0 | |
| PEW-22S-MPB | 22 | 1 | 56,02 | 54,65 | - | 45,9 | 12,7 | 33,0 | 45,0 | 12,0 | 31,0 | |
| PEW-24S-MPB | 24 | 1 | 61,12 | 59,75 | - | 51,0 | 12,7 | 33,0 | 49,0 | 16,0 | 34,0 | |
| PEW-25S-MPB | 25 | 1 | 63,66 | 62,29 | - | 53,5 | 12,7 | 33,0 | 49,0 | 16,0 | 36,0 | |
| PEW-26S-MPB | 26 | 1 | 66,21 | 64,84 | - | 57,8 | 12,7 | 33,0 | 49,0 | 16,0 | 39,0 | |
| PEW-28S-MPB | 28 | 1 | 71,30 | 69,93 | - | 62,0 | 12,7 | 33,0 | 49,0 | 16,0 | 41,0 | |
| PEW-30S-MPB | 30 | 1 | 76,40 | 75,03 | - | 67,0 | 12,7 | 33,0 | 49,0 | 16,0 | 45,0 | |
| PEW-32S-MPB | 32 | 1 | 81,49 | 80,12 | - | 72,0 | 12,7 | 33,0 | 49,0 | 16,0 | 48,0 | |
| PEW-34S-MPB | 34 | 1 | 86,58 | 85,21 | - | 77,0 | 12,7 | 33,0 | 49,0 | 16,0 | 51,0 | |
| PEW-36S-MPB | 36 | 1 | 91,68 | 90,30 | - | 82,0 | 12,7 | 33,0 | 49,0 | 16,0 | 55,0 | |
| PEW-38S-MPB | 38 | 1 | 96,77 | 95,40 | - | 87,0 | 12,7 | 33,0 | 49,0 | 16,0 | 58,0 | |
| PEW-40S-MPB | 40 | 1 | 101,86 | 100,49 | - | 92,0 | 12,7 | 33,0 | 49,0 | 16,0 | 62,0 | |
| PEW-44S-MPB | 44 | 1 | 112,05 | 110,68 | - | 102,0 | 12,7 | 33,0 | 49,0 | 16,0 | 68,0 | |
| PEW-45S-MPB | 45 | 1 | 114,59 | 113,22 | - | 105,0 | 12,7 | 33,0 | 49,0 | 16,0 | 70,0 | |
| PEW-48S-MPB | 48 | 1 | 122,23 | 120,86 | - | 112,0 | 12,7 | 33,0 | 49,0 | 16,0 | 75,0 | |
| PEW-50S-MPB | 50 | 1 | 127,33 | 125,96 | - | 118,0 | 12,7 | 33,0 | 49,0 | 16,0 | 79,0 | |
| PEW-52S-MPB | 52 | 1 | 132,42 | 131,05 | - | 123,0 | 12,7 | 33,0 | 49,0 | 16,0 | 82,0 | |
| PEW-56S-MPB | 56 | 1 | 142,61 | 141,24 | - | 133,0 | 12,7 | 33,0 | 49,0 | 16,0 | 89,0 | |
| PEW-60S-MPB | 60 | 1 | 152,79 | 151,42 | - | 143,0 | 12,7 | 33,0 | 49,0 | 16,0 | 96,0 | |
| PEW-63S-MPB | 63 | 1 | 160,43 | 159,06 | - | 151,0 | 12,7 | 33,0 | 49,0 | 16,0 | 101,0 | |
| PEW-64S-MPB | 64 | 1 | 162,98 | 161,61 | - | 153,0 | 12,7 | 33,0 | 49,0 | 16,0 | 102,0 | |
| PEW-68S-MPB | 68 | 2 | 173,17 | 171,79 | 152,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 80,0 | GS400 |
| PEW-72S-MPB | 72 | 2 | 183,35 | 181,98 | 162,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 80,0 | |
| PEW-75S-MPB | 75 | 2 | 190,99 | 189,62 | 170,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 80,0 | |
| PEW-76S-MPB | 76 | 2 | 193,54 | 192,17 | 172,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 80,0 | |
| PEW-80S-MPB | 80 | 2 | 203,72 | 202,35 | 182,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 80,0 | |
| PEW-90S-MPB | 90 | 2 | 229,19 | 227,82 | 208,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 80,0 | |
| PEW-112S-MPB | 112 | 2 | 285,21 | 283,84 | 264,0 | 120,0 | 25,4 | 33,0 | 49,0 | 16,0 | 100,0 | GG |
| PEW-140S-MPB | 140 | 2 | 356,52 | 355,15 | 335,0 | 150,0 | 25,4 | 33,0 | 49,0 | 16,0 | 100,0 | |
| PEW-180S-MPB | 180 | 3 | 458,38 | 457,00 | 433,0 | 150,0 | 25,4 | 33,0 | 49,0 | 16,0 | 100,0 | |
| PEW-224S-MPB | 224 | 3 | 570,43 | 569,04 | 545,0 | 150,0 | 25,4 | 33,0 | 49,0 | 16,0 | 100,0 | |



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GS400 = spheroidal cast iron - GG = grey cast iron

Dimensions of timing pulleys EAGLE - solid hub

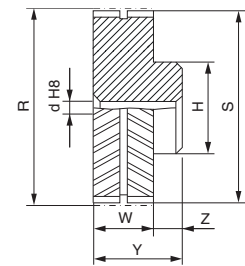


Type "Purple" P - belt width $W = 64 \text{ mm}$

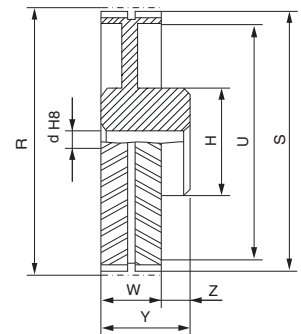
8M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEP-18S-MPB | 18 | 1 | 45,84 | 44,47 | - | 38,4 | 12,7 | 65,0 | 85,0 | 20,0 | 26,0 | steel |
| PEP-20S-MPB | 20 | 1 | 50,93 | 49,55 | - | 40,7 | 12,7 | 65,0 | 85,0 | 20,0 | 27,0 | |
| PEP-22S-MPB | 22 | 1 | 56,02 | 54,64 | - | 45,9 | 12,7 | 65,0 | 85,0 | 20,0 | 31,0 | |
| PEP-24S-MPB | 24 | 1 | 61,12 | 59,74 | - | 51,0 | 12,7 | 65,0 | 85,0 | 20,0 | 34,0 | |
| PE P-25S-MPB | 25 | 1 | 63,66 | 62,28 | - | 53,5 | 12,7 | 65,0 | 85,0 | 20,0 | 36,0 | |
| PEP-26S-MPB | 26 | 1 | 66,21 | 64,83 | - | 57,8 | 12,7 | 65,0 | 85,0 | 20,0 | 39,0 | |
| PEP-28S-MPB | 28 | 1 | 71,30 | 69,92 | - | 62,0 | 12,7 | 65,0 | 85,0 | 20,0 | 41,0 | |
| PEP-30S-MPB | 30 | 1 | 76,39 | 75,01 | - | 67,0 | 12,7 | 65,0 | 85,0 | 20,0 | 45,0 | |
| PEP-32S-MPB | 32 | 1 | 81,49 | 80,11 | - | 72,0 | 12,7 | 65,0 | 85,0 | 20,0 | 48,0 | |
| PEP-34S-MPB | 34 | 1 | 86,58 | 85,20 | - | 77,0 | 12,7 | 65,0 | 85,0 | 20,0 | 51,0 | |
| PEP-36S-MPB | 36 | 1 | 91,67 | 90,29 | - | 82,0 | 12,7 | 65,0 | 85,0 | 20,0 | 55,0 | |
| PEP-38S-MPB | 38 | 1 | 96,77 | 95,39 | - | 87,0 | 12,7 | 65,0 | 85,0 | 20,0 | 58,0 | |
| PEP-40S-MPB | 40 | 1 | 101,86 | 100,48 | - | 92,0 | 12,7 | 65,0 | 85,0 | 20,0 | 62,0 | |
| PEP-44S-MPB | 44 | 1 | 112,05 | 110,67 | - | 102,0 | 12,7 | 65,0 | 85,0 | 20,0 | 68,0 | |
| PEP-45S-MPB | 45 | 1 | 114,59 | 113,21 | - | 105,0 | 12,7 | 65,0 | 85,0 | 20,0 | 70,0 | |
| PEP-48S-MPB | 48 | 1 | 122,23 | 120,85 | - | 112,0 | 25,4 | 65,0 | 85,0 | 20,0 | 75,0 | |
| PEP-50S-MPB | 50 | 1 | 127,32 | 125,94 | - | 118,0 | 25,4 | 65,0 | 85,0 | 20,0 | 79,0 | |
| PEP-52S-MPB | 52 | 1 | 132,42 | 131,04 | - | 123,0 | 25,4 | 65,0 | 85,0 | 20,0 | 82,0 | |
| PEP-56S-MPB | 56 | 1 | 142,60 | 141,22 | - | 133,0 | 25,4 | 65,0 | 85,0 | 20,0 | 89,0 | |
| PEP-60S-MPB | 60 | 1 | 152,79 | 151,41 | - | 143,0 | 25,4 | 65,0 | 85,0 | 20,0 | 96,0 | |
| PEP-63S-MPB | 63 | 1 | 160,43 | 159,05 | - | 151,0 | 25,4 | 65,0 | 85,0 | 20,0 | 101,0 | |
| PEP-64S-MPB | 64 | 1 | 162,98 | 161,60 | - | 153,0 | 25,4 | 65,0 | 85,0 | 20,0 | 102,0 | |
| PEP-68S-MPB | 68 | 2 | 173,17 | 171,79 | 152,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | GS400 |
| PEP-72S-MPB | 72 | 2 | 183,35 | 181,97 | 162,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | |
| PEP-75S-MPB | 75 | 2 | 190,99 | 189,61 | 170,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | |
| PEP-76S-MPB | 76 | 2 | 193,53 | 192,15 | 172,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | |
| PEP-80S-MPB | 80 | 2 | 203,72 | 202,34 | 182,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | |
| PEP-90S-MPB | 90 | 2 | 229,18 | 227,80 | 208,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | |
| PEP-112S-MPB | 112 | 2 | 285,21 | 283,83 | 264,0 | 120,0 | 25,4 | 65,0 | 85,0 | 20,0 | 80,0 | GG |
| PEP-140S-MPB | 140 | 2 | 356,51 | 355,14 | 335,0 | 150,0 | 25,4 | 65,0 | 85,0 | 20,0 | 100,0 | |
| PEP-180S-MPB | 180 | 3 | 458,37 | 457,00 | 433,0 | 150,0 | 25,4 | 65,0 | 85,0 | 20,0 | 100,0 | |
| PEP-224S-MPB | 224 | 3 | 570,41 | 569,04 | 545,0 | 150,0 | 25,4 | 65,0 | 85,0 | 20,0 | 100,0 | |

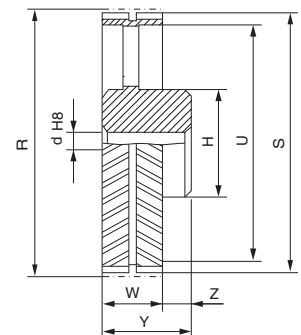
GS400 = spheroidal cast iron - GG = grey cast iron



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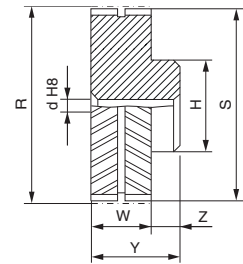
Dimensions of timing pulleys EAGLE - solid hub



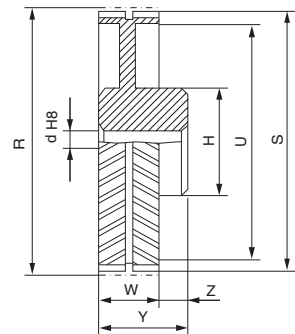
Type "Blue" B - belt width W = 35 mm

14M

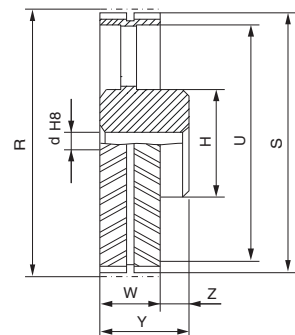
| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEB-28S-MPB | 28 | 1 | 124,78 | 121,99 | - | 105,0 | 25,4 | 37,0 | 53,0 | 16,0 | 70,0 | steel |
| PEB-30S-MPB | 30 | 1 | 133,69 | 130,90 | - | 114,0 | 25,4 | 37,0 | 53,0 | 16,0 | 76,0 | |
| PEB-32S-MPB | 32 | 1 | 142,61 | 139,81 | - | 123,0 | 25,4 | 37,0 | 53,0 | 16,0 | 82,0 | |
| PEB-34S-MPB | 34 | 1 | 151,52 | 148,73 | - | 132,0 | 25,4 | 37,0 | 53,0 | 16,0 | 88,0 | |
| PEB-36S-MPB | 36 | 1 | 160,43 | 157,64 | - | 141,0 | 25,4 | 37,0 | 53,0 | 16,0 | 94,0 | |
| PEB-38S-MPB | 38 | 1 | 169,35 | 166,55 | - | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-40S-MPB | 40 | 1 | 178,26 | 175,46 | - | 159,0 | 25,4 | 37,0 | 53,0 | 16,0 | 106,0 | |
| PEB-43S-MPB | 43 | 1 | 191,63 | 188,83 | - | 172,0 | 25,4 | 37,0 | 53,0 | 16,0 | 115,0 | |
| PEB-45S-MPB | 45 | 1 | 200,54 | 197,75 | - | 181,0 | 25,4 | 37,0 | 53,0 | 16,0 | 121,0 | |
| PEB-48S-MPB | 48 | 1 | 213,91 | 211,12 | - | 195,0 | 25,4 | 37,0 | 53,0 | 16,0 | 130,0 | |
| PEB-50S-MPB | 50 | 2 | 222,82 | 220,03 | 185,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | GS400 |
| PEB-56S-MPB | 56 | 2 | 249,56 | 246,77 | 212,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-60S-MPB | 60 | 2 | 267,39 | 264,59 | 230,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-63S-MPB | 63 | 2 | 280,76 | 277,96 | 243,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-71S-MPB | 71 | 2 | 316,41 | 313,62 | 279,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-75S-MPB | 75 | 2 | 334,24 | 331,44 | 296,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-80S-MPB | 80 | 2 | 356,52 | 353,72 | 319,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-90S-MPB | 90 | 2 | 401,08 | 398,29 | 358,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | GG |
| PEB-112S-MPB | 112 | 3 | 499,12 | 496,33 | 456,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-140S-MPB | 140 | 3 | 623,91 | 621,11 | 581,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |
| PEB-168S-MPB | 168 | 3 | 748,69 | 745,89 | 706,0 | 150,0 | 25,4 | 37,0 | 53,0 | 16,0 | 100,0 | |



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Type "Green" G - width W = 52,5 mm

14M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEG-28S-MPB | 28 | 1 | 124,78 | 121,99 | - | 109,0 | 25,4 | 54,5 | 74,5 | 20,0 | 73,0 | steel |
| PEG-30S-MPB | 30 | 1 | 133,69 | 130,90 | - | 117,5 | 25,4 | 54,5 | 74,5 | 20,0 | 78,0 | |
| PEG-32S-MPB | 32 | 1 | 142,61 | 139,81 | - | 126,5 | 25,4 | 54,5 | 74,5 | 20,0 | 84,0 | |
| PEG-34S-MPB | 34 | 1 | 151,52 | 148,73 | - | 135,5 | 25,4 | 54,5 | 74,5 | 20,0 | 90,0 | |
| PEG-36S-MPB | 36 | 1 | 160,43 | 157,64 | - | 141,0 | 25,4 | 54,5 | 70,5 | 16,0 | 94,0 | |
| PEG-38S-MPB | 38 | 1 | 169,35 | 166,55 | - | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-40S-MPB | 40 | 1 | 178,26 | 175,46 | - | 159,0 | 25,4 | 54,5 | 70,5 | 16,0 | 106,0 | |
| PEG-43S-MPB | 43 | 1 | 191,63 | 188,83 | - | 172,0 | 25,4 | 54,5 | 70,5 | 16,0 | 115,0 | |
| PEG-45S-MPB | 45 | 1 | 200,54 | 197,75 | - | 181,0 | 25,4 | 54,5 | 70,5 | 16,0 | 121,0 | |
| PEG-48S-MPB | 48 | 1 | 213,91 | 211,12 | - | 195,0 | 25,4 | 54,5 | 70,5 | 16,0 | 130,0 | |
| PEG-50S-MPB | 50 | 2 | 222,82 | 220,03 | 185,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | GS400 |
| PEG-56S-MPB | 56 | 2 | 249,56 | 246,77 | 212,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-60S-MPB | 60 | 2 | 267,39 | 264,59 | 230,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-63S-MPB | 63 | 2 | 280,76 | 277,96 | 243,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-71S-MPB | 71 | 2 | 316,41 | 313,62 | 279,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-75S-MPB | 75 | 2 | 334,24 | 331,44 | 296,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-80S-MPB | 80 | 2 | 356,52 | 353,72 | 319,0 | 150,0 | 25,4 | 54,5 | 70,5 | 16,0 | 100,0 | |
| PEG-90S-MPB | 90 | 2 | 401,08 | 398,29 | 358,0 | 180,0 | 25,4 | 54,5 | 70,5 | 16,0 | 120,0 | GG |
| PEG-112S-MPB | 112 | 3 | 499,12 | 496,33 | 456,0 | 180,0 | 25,4 | 54,5 | 70,5 | 16,0 | 120,0 | |
| PEG-140S-MPB | 140 | 3 | 623,91 | 621,11 | 581,0 | 200,0 | 25,4 | 54,5 | 70,5 | 16,0 | 133,0 | |
| PEG-168S-MPB | 168 | 3 | 748,69 | 745,89 | 706,0 | 200,0 | 25,4 | 54,5 | 70,5 | 16,0 | 133,0 | |

GS400 = spheroidal cast iron - GG = grey cast iron

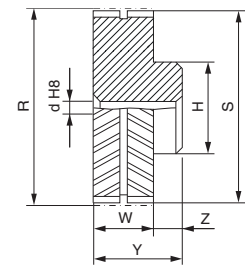
Dimensions of timing pulleys EAGLE - solid hub



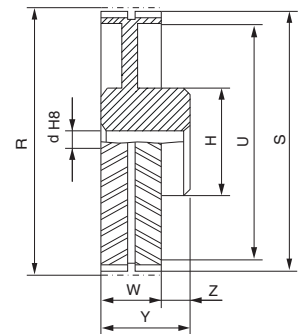
Type "Orange" O - belt width $W = 70$ mm

14M

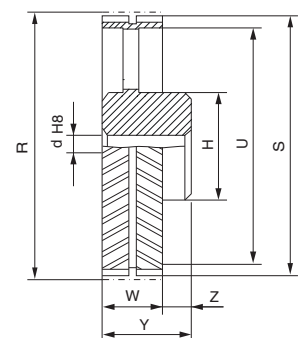
| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEO-28S-MPB | 28 | 1 | 124,78 | 121,99 | - | 109,0 | 25,4 | 72,0 | 92,0 | 20,0 | 73,0 | steel |
| PEO-30S-MPB | 30 | 1 | 133,69 | 130,90 | - | 117,5 | 25,4 | 72,0 | 92,0 | 20,0 | 78,0 | |
| PEO-32S-MPB | 32 | 1 | 142,61 | 139,81 | - | 126,5 | 25,4 | 72,0 | 98,0 | 26,0 | 84,0 | |
| PEO-34S-MPB | 34 | 1 | 151,52 | 148,73 | - | 135,5 | 25,4 | 72,0 | 98,0 | 26,0 | 90,0 | |
| PEO-36S-MPB | 36 | 1 | 160,43 | 157,64 | - | 144,0 | 25,4 | 72,0 | 98,0 | 26,0 | 95,0 | |
| PEO-38S-MPB | 38 | 1 | 169,35 | 166,55 | - | 153,0 | 25,4 | 72,0 | 98,0 | 26,0 | 101,0 | |
| PEO-40S-MPB | 40 | 1 | 178,26 | 175,46 | - | 162,0 | 25,4 | 72,0 | 98,0 | 26,0 | 107,0 | |
| PEO-43S-MPB | 43 | 1 | 191,63 | 188,83 | - | 174,0 | 25,4 | 72,0 | 88,0 | 16,0 | 116,0 | |
| PEO-45S-MPB | 45 | 1 | 200,54 | 197,75 | - | 183,0 | 25,4 | 72,0 | 88,0 | 16,0 | 122,0 | |
| PEO-48S-MPB | 48 | 1 | 213,91 | 211,12 | - | 197,0 | 25,4 | 72,0 | 88,0 | 16,0 | 131,0 | |
| PEO-50S-MPB | 50 | 1 | 222,82 | 220,03 | - | 205,0 | 25,4 | 72,0 | 88,0 | 16,0 | 137,0 | |
| PEO-56S-MPB | 56 | 1 | 249,56 | 246,77 | - | 230,0 | 25,4 | 72,0 | 88,0 | 16,0 | 153,0 | |
| PEO-60S-MPB | 60 | 2 | 267,39 | 264,59 | 230,0 | 150,0 | 25,4 | 72,0 | 88,0 | 16,0 | 100,0 | GS400 |
| PEO-63S-MPB | 63 | 2 | 280,76 | 277,96 | 243,0 | 150,0 | 25,4 | 72,0 | 88,0 | 16,0 | 100,0 | |
| PEO-71S-MPB | 71 | 2 | 316,41 | 313,62 | 279,0 | 150,0 | 25,4 | 72,0 | 88,0 | 16,0 | 100,0 | |
| PEO-75S-MPB | 75 | 2 | 334,24 | 331,44 | 296,0 | 180,0 | 25,4 | 72,0 | 88,0 | 16,0 | 120,0 | |
| PEO-80S-MPB | 80 | 2 | 356,52 | 353,72 | 319,0 | 180,0 | 25,4 | 72,0 | 88,0 | 16,0 | 120,0 | |
| PEO-90S-MPB | 90 | 2 | 401,08 | 398,29 | 358,0 | 200,0 | 25,4 | 72,0 | 88,0 | 16,0 | 133,0 | GG |
| PEO-112S-MPB | 112 | 3 | 499,12 | 496,33 | 456,0 | 200,0 | 25,4 | 72,0 | 88,0 | 16,0 | 133,0 | |
| PEO-140S-MPB | 140 | 3 | 623,91 | 621,11 | 581,0 | 220,0 | 25,4 | 72,0 | 88,0 | 16,0 | 147,0 | |
| PEO-168S-MPB | 168 | 3 | 748,69 | 745,89 | 706,0 | 220,0 | 25,4 | 72,0 | 88,0 | 16,0 | 147,0 | |



1



2



3

Type "Red" R - belt width $W = 105$ mm

14M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PER-28S-MPB | 28 | 1 | 124,78 | 121,99 | - | 109,0 | 25,4 | 107,0 | 133,0 | 26,0 | 73,0 | steel |
| PER-30S-MPB | 30 | 1 | 133,69 | 130,90 | - | 117,5 | 25,4 | 107,0 | 133,0 | 26,0 | 78,0 | |
| PER-32S-MPB | 32 | 1 | 142,61 | 139,81 | - | 126,5 | 25,4 | 107,0 | 133,0 | 26,0 | 84,0 | |
| PER-34S-MPB | 34 | 1 | 151,52 | 148,73 | - | 135,5 | 25,4 | 107,0 | 133,0 | 26,0 | 90,0 | |
| PER-36S-MPB | 36 | 1 | 160,43 | 157,64 | - | 144,0 | 25,4 | 107,0 | 133,0 | 26,0 | 96,0 | |
| PER-38S-MPB | 38 | 1 | 169,35 | 166,55 | - | 153,0 | 25,4 | 107,0 | 133,0 | 26,0 | 102,0 | |
| PER-40S-MPB | 40 | 1 | 178,26 | 175,46 | - | 162,0 | 25,4 | 107,0 | 133,0 | 26,0 | 108,0 | |
| PER-43S-MPB | 43 | 1 | 191,63 | 188,83 | - | 174,0 | 25,4 | 107,0 | 133,0 | 26,0 | 117,0 | |
| PER-45S-MPB | 45 | 1 | 200,54 | 197,75 | - | 183,0 | 25,4 | 107,0 | 123,0 | 16,0 | 122,0 | |
| PER-48S-MPB | 48 | 1 | 213,91 | 211,12 | - | 197,0 | 25,4 | 107,0 | 123,0 | 16,0 | 131,0 | |
| PER-50S-MPB | 50 | 1 | 222,82 | 220,03 | - | 205,0 | 25,4 | 107,0 | 123,0 | 16,0 | 137,0 | |
| PER-56S-MPB | 56 | 1 | 249,56 | 246,77 | - | 230,0 | 25,4 | 107,0 | 123,0 | 16,0 | 153,0 | |
| PER-60S-MPB | 60 | 2 | 267,39 | 264,59 | 230,0 | 180,0 | 25,4 | 107,0 | 123,0 | 16,0 | 120,0 | GS400 |
| PER-63S-MPB | 63 | 2 | 280,76 | 277,96 | 243,0 | 180,0 | 25,4 | 107,0 | 123,0 | 16,0 | 120,0 | |
| PER-71S-MPB | 71 | 2 | 316,41 | 313,62 | 279,0 | 200,0 | 25,4 | 107,0 | 123,0 | 16,0 | 133,0 | |
| PER-75S-MPB | 75 | 2 | 334,24 | 331,44 | 296,0 | 200,0 | 25,4 | 107,0 | 123,0 | 16,0 | 133,0 | |
| PER-80S-MPB | 80 | 2 | 356,52 | 353,72 | 319,0 | 200,0 | 25,4 | 107,0 | 123,0 | 16,0 | 133,0 | |
| PER-90S-MPB | 90 | 2 | 401,08 | 398,29 | 358,0 | 220,0 | 25,4 | 107,0 | 123,0 | 16,0 | 147,0 | GG |
| PER-112S-MPB | 112 | 3 | 499,12 | 496,33 | 456,0 | 220,0 | 25,4 | 107,0 | 123,0 | 16,0 | 147,0 | |
| PER-140S-MPB | 140 | 3 | 623,91 | 621,11 | 581,0 | 240,0 | 25,4 | 107,0 | 123,0 | 16,0 | 160,0 | |
| PER-168S-MPB | 168 | 3 | 748,69 | 745,89 | 706,0 | 240,0 | 25,4 | 107,0 | 123,0 | 16,0 | 160,0 | |

GS400 = spheroidal cast iron - GG = grey cast iron

Dimensions of timing pulleys EAGLE - mounting taper bushing SER-SIT® passo 14M



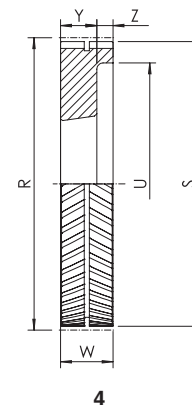
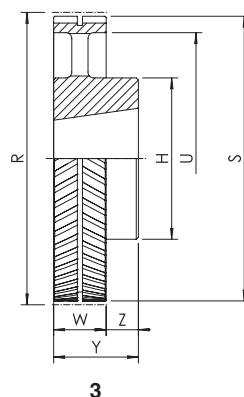
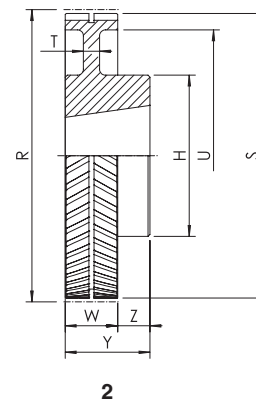
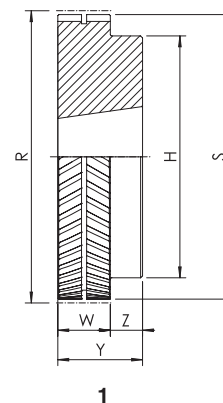
| Part Number | PBE | B | -32S | -2517 |
|---------------------------------|-----|---|------|-------|
| EAGLE timing pulley - solid hub | | | | |
| Belt width | | | | |
| Number of teeth | | | | |
| Taper bushing size | | | | |

Type "Blue" B - belt width W = 35 mm

14M

| Code | Teeth nr. | Type | Taper bushing SER-SIT® | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| PBEB-28S-2012 | 28 | 4 | 2012 | 124,78 | 121,99 | 82,0 | - | 37,0 | 32,0 | 5,0 | steel |
| PBEB-30S-2517 | 30 | 1 | 2517 | 133,69 | 130,90 | - | 114,0 | 37,0 | 45,0 | 8,0 | |
| PBEB-32S-2517 | 32 | 1 | 2517 | 142,61 | 139,81 | - | 123,0 | 37,0 | 45,0 | 8,0 | |
| PBEB-34S-2517 | 34 | 1 | 2517 | 151,52 | 148,73 | - | 132,0 | 37,0 | 45,0 | 8,0 | |
| PBEB-36S-3020 | 36 | 1 | 3020 | 160,43 | 157,64 | - | 141,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-38S-3020 | 38 | 1 | 3020 | 169,35 | 166,55 | - | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-40S-3020 | 40 | 1 | 3020 | 178,26 | 175,46 | - | 159,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-43S-3020 | 43 | 1 | 3020 | 191,63 | 188,83 | - | 172,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-45S-3020 | 45 | 1 | 3020 | 200,54 | 197,75 | - | 181,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-48S-3020 | 48 | 1 | 3020 | 213,91 | 211,12 | - | 195,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-50S-3020 | 50 | 2 | 3020 | 222,82 | 220,03 | 180,0 | 150,0 | 37,0 | 51,0 | 14,0 | GS400 |
| PBEB-56S-3020 | 56 | 2 | 3020 | 249,56 | 246,77 | 207,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-60S-3020 | 60 | 2 | 3020 | 267,39 | 264,59 | 225,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-63S-3020 | 63 | 2 | 3020 | 280,76 | 277,96 | 238,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-71S-3020 | 71 | 2 | 3020 | 316,41 | 313,62 | 274,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-75S-3020 | 75 | 2 | 3020 | 334,24 | 331,44 | 291,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-80S-3020 | 80 | 2 | 3020 | 356,52 | 353,72 | 314,0 | 150,0 | 37,0 | 51,0 | 14,0 | GG |
| PBEB-90S-3020 | 90 | 2 | 3020 | 401,08 | 398,29 | 358,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-112S-3020 | 112 | 3 | 3020 | 499,12 | 496,33 | 456,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-140S-3020 | 140 | 3 | 3020 | 623,91 | 621,11 | 581,0 | 150,0 | 37,0 | 51,0 | 14,0 | |
| PBEB-168S-3020 | 168 | 3 | 3020 | 748,69 | 745,89 | 706,0 | 150,0 | 37,0 | 51,0 | 14,0 | |

GS400 = spheroidal cast iron - GG = grey cast iron



Dimensions of timing pulleys EAGLE - mounting taper bushing SER-SIT®

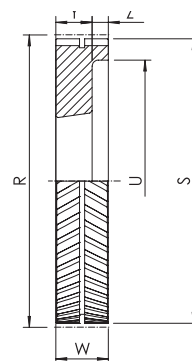


Type "Green" G - belt width $W = 52,5$ mm

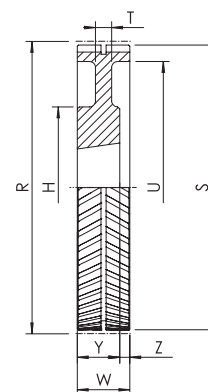
14M

| Code | Teeth nr. | Type | Taper bushing SER-SIT® | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| PBEG-28S-2517 | 28 | 4 | 2517 | 124,78 | 121,99 | 86,0 | - | 54,5 | 45,0 | 9,5 | steel |
| PBEG-30S-2517 | 30 | 4 | 2517 | 133,69 | 130,90 | 90,0 | - | 54,5 | 45,0 | 9,5 | |
| PBEG-32S-2517 | 32 | 4 | 2517 | 142,61 | 139,81 | 100,0 | - | 54,5 | 45,0 | 9,5 | |
| PBEG-34S-2517 | 34 | 4 | 2517 | 151,52 | 148,73 | 108,0 | - | 54,5 | 45,0 | 9,5 | |
| PBEG-36S-3020 | 36 | 4 | 3020 | 160,43 | 157,64 | 118,0 | - | 54,5 | 51,0 | 3,5 | |
| PBEG-38S-3020 | 38 | 4 | 3020 | 169,35 | 166,55 | 126,0 | - | 54,5 | 51,0 | 3,5 | |
| PBEG-40S-3020 | 40 | 4 | 3020 | 178,26 | 175,46 | 135,0 | - | 54,5 | 51,0 | 3,5 | |
| PBEG-43S-3020 | 43 | 4 | 3020 | 191,63 | 188,83 | 148,0 | - | 54,5 | 51,0 | 3,5 | |
| PBEG-45S-3020 | 45 | 4 | 3020 | 200,54 | 197,75 | 158,0 | - | 54,5 | 51,0 | 3,5 | |
| PBEG-48S-3020 | 48 | 4 | 3020 | 213,91 | 211,12 | 171,0 | - | 54,5 | 51,0 | 3,5 | |
| PBEG-50S-3020 | 50 | 8 | 3020 | 222,82 | 220,03 | 180,0 | 150,0 | 54,5 | 51,0 | 3,5 | GS400 |
| PBEG-56S-3020 | 56 | 8 | 3020 | 249,56 | 246,77 | 207,0 | 150,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-60S-3020 | 60 | 8 | 3020 | 267,39 | 264,59 | 225,0 | 150,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-63S-3020 | 63 | 8 | 3020 | 280,76 | 277,96 | 238,0 | 150,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-71S-3020 | 71 | 8 | 3020 | 316,41 | 313,62 | 274,0 | 150,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-75S-3020 | 75 | 8 | 3020 | 334,24 | 331,44 | 291,0 | 150,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-80S-3020 | 80 | 8 | 3020 | 356,52 | 353,72 | 314,0 | 150,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-90S-3020 | 90 | 8 | 3020 | 401,08 | 398,29 | 358,0 | 180,0 | 54,5 | 51,0 | 3,5 | GG |
| PBEG-112S-3020 | 112 | 10 | 3020 | 499,12 | 496,33 | 456,0 | 180,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-140S-3020 | 140 | 10 | 3020 | 623,91 | 621,11 | 581,0 | 200,0 | 54,5 | 51,0 | 3,5 | |
| PBEG-168S-3020 | 168 | 10 | 3020 | 748,69 | 745,89 | 706,0 | 200,0 | 54,5 | 51,0 | 3,5 | |

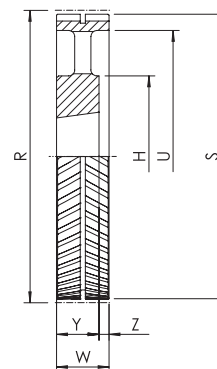
GS400 = spheroidal cast iron - GG = grey cast iron



4

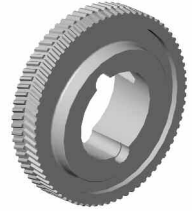


8



10

Dimensions of timing pulleys EAGLE - mounting taper bushing SER-SIT®

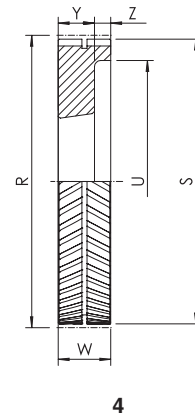
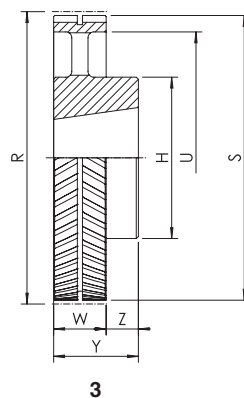
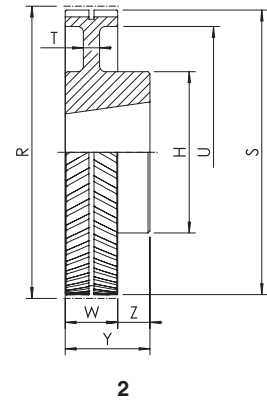
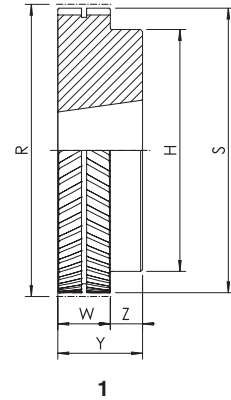


Type "Orange" O - belt width $W = 70$ mm

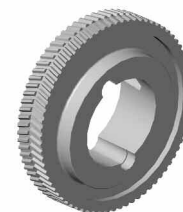
14M

| Code | Teeth nr. | Type | Taper bushing SER-SIT® | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| PBEO-28S-2517 | 28 | 4 | 2517 | 124,78 | 121,99 | 86,0 | - | 72,0 | 45,0 | 27,0 | steel |
| PBEO-30S-2517 | 30 | 4 | 2517 | 133,69 | 130,90 | 90,0 | - | 72,0 | 45,0 | 27,0 | |
| PBEO-32S-2517 | 32 | 4 | 2517 | 142,61 | 139,81 | 100,0 | - | 72,0 | 45,0 | 27,0 | |
| PBEO-34S-3030 | 34 | 1 | 3030 | 151,52 | 148,73 | - | 135,5 | 72,0 | 76,0 | 4,0 | |
| PBEO-36S-3030 | 36 | 1 | 3030 | 160,43 | 157,64 | - | 144,0 | 72,0 | 76,0 | 4,0 | |
| PBEO-38S-3030 | 38 | 1 | 3030 | 169,35 | 166,55 | - | 153,0 | 72,0 | 76,0 | 4,0 | |
| PBEO-40S-3030 | 40 | 1 | 3030 | 178,26 | 175,46 | - | 162,0 | 72,0 | 76,0 | 4,0 | |
| PBEO-43S-3535 | 43 | 1 | 3535 | 191,63 | 188,83 | - | 174,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-45S-3535 | 45 | 1 | 3535 | 200,54 | 197,75 | - | 183,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-48S-3535 | 48 | 1 | 3535 | 213,91 | 211,12 | - | 197,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-50S-3535 | 50 | 1 | 3535 | 222,82 | 220,03 | - | 205,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-56S-3535 | 56 | 1 | 3535 | 249,56 | 246,77 | - | 230,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-60S-3030 | 60 | 2 | 3030 | 267,39 | 264,59 | 225,0 | 150,0 | 72,0 | 76,0 | 4,0 | GS400 |
| PBEO-63S-3030 | 63 | 2 | 3030 | 280,76 | 277,96 | 238,0 | 150,0 | 72,0 | 76,0 | 4,0 | |
| PBEO-71S-3030 | 71 | 2 | 3030 | 316,41 | 313,62 | 274,0 | 150,0 | 72,0 | 76,0 | 4,0 | |
| PBEO-75S-3535 | 75 | 2 | 3535 | 334,24 | 331,44 | 291,0 | 180,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-80S-3535 | 80 | 2 | 3535 | 356,52 | 353,72 | 314,0 | 180,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-90S-3535 | 90 | 2 | 3535 | 401,08 | 398,29 | 358,0 | 200,0 | 72,0 | 89,0 | 17,0 | GG |
| PBEO-112S-3535 | 112 | 3 | 3535 | 499,12 | 496,33 | 456,0 | 200,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-140S-3535 | 140 | 3 | 3535 | 623,91 | 621,11 | 581,0 | 220,0 | 72,0 | 89,0 | 17,0 | |
| PBEO-168S-3535 | 168 | 3 | 3535 | 748,69 | 745,89 | 706,0 | 220,0 | 72,0 | 89,0 | 17,0 | |

GS400 = spheroidal cast iron - GG = grey cast iron



Dimensions of timing pulleys EAGLE - mounting taper bushing SER-SIT®

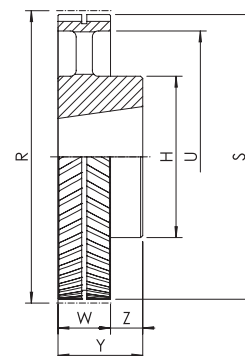


Type "Red" R - belt width $W = 105 \text{ mm}$

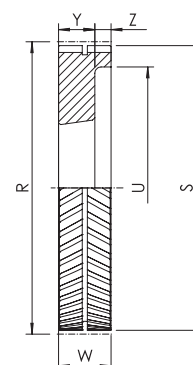
14M

| Code | Teeth nr. | Type | Taper bushing SER-SIT® | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| PBER -28S-2517 | 28 | 9 | 2517 | 124,78 | 121,99 | 86,0 | - | 107,0 | 45,0 | 31,0 | steel |
| PBER -30S-2517 | 30 | 9 | 2517 | 133,69 | 130,90 | 90,0 | - | 107,0 | 45,0 | 31,0 | |
| PBER -32S-2517 | 32 | 9 | 2517 | 142,61 | 139,81 | 100,0 | - | 107,0 | 45,0 | 31,0 | |
| PBER -34S-3030 | 34 | 9 | 3030 | 151,52 | 148,73 | 109,0 | - | 107,0 | 76,0 | 15,5 | |
| PBER -36S-3030 | 36 | 9 | 3030 | 160,43 | 157,64 | 117,0 | - | 107,0 | 76,0 | 15,5 | |
| PBER -38S-3030 | 38 | 9 | 3030 | 169,35 | 166,55 | 126,0 | - | 107,0 | 76,0 | 15,5 | |
| PBER -40S-3030 | 40 | 9 | 3030 | 178,26 | 175,46 | 135,0 | - | 107,0 | 76,0 | 15,5 | |
| PBER -43S-3535 | 43 | 4 | 3535 | 191,63 | 188,83 | 148,0 | - | 107,0 | 89,0 | 18,0 | |
| PBER -45S-3535 | 45 | 4 | 3535 | 200,54 | 197,75 | 157,0 | - | 107,0 | 89,0 | 18,0 | |
| PBER -48S-4040 | 48 | 4 | 4040 | 213,91 | 211,12 | 171,0 | - | 107,0 | 102,0 | 5,0 | |
| PBER -50S-4040 | 50 | 4 | 4040 | 222,82 | 220,03 | 180,0 | - | 107,0 | 102,0 | 5,0 | |
| PBER -56S-4040 | 56 | 4 | 4040 | 249,56 | 246,77 | 206,0 | - | 107,0 | 102,0 | 5,0 | |
| PBER -60S-3535 | 60 | 8 | 3535 | 267,39 | 264,59 | 225,0 | 180,0 | 107,0 | 89,0 | 18,0 | |
| PBER -63S-3535 | 63 | 8 | 3535 | 280,76 | 277,96 | 238,0 | 180,0 | 107,0 | 89,0 | 18,0 | |
| PBER -71S-4040 | 71 | 8 | 4040 | 316,41 | 313,62 | 274,0 | 200,0 | 107,0 | 102,0 | 5,0 | |
| PBER -75S-4040 | 75 | 8 | 4040 | 334,24 | 331,44 | 291,0 | 200,0 | 107,0 | 102,0 | 5,0 | |
| PBER -80S-4040 | 80 | 8 | 4040 | 356,52 | 353,72 | 314,0 | 200,0 | 107,0 | 102,0 | 5,0 | |
| PBER -90S-4040 | 90 | 8 | 4040 | 401,08 | 398,29 | 358,0 | 220,0 | 107,0 | 102,0 | 5,0 | |
| PBER -112S-4040 | 112 | 10 | 4040 | 499,12 | 496,33 | 456,0 | 220,0 | 107,0 | 102,0 | 5,0 | |
| PBER -140S-5050 | 140 | 3 | 5050 | 623,91 | 621,11 | 581,0 | 240,0 | 107,0 | 127,0 | 20,0 | |
| PBER -168S-5050 | 168 | 3 | 5050 | 748,69 | 745,89 | 706,0 | 240,0 | 107,0 | 127,0 | 20,0 | |

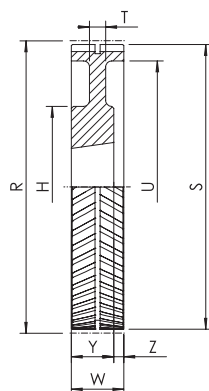
GS400 = spheroidal cast iron - GG = grey cast iron



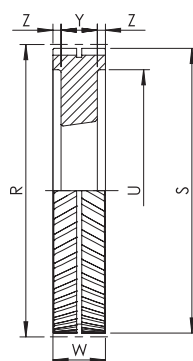
3



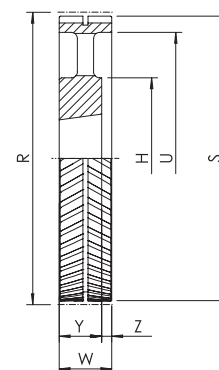
4



8



9



10

Dimensions of timing pulleys EAGLE - solid hub aluminum type

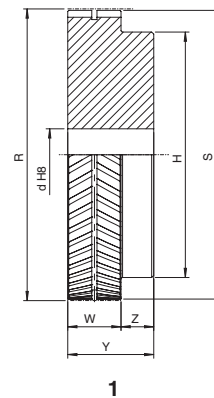


| | |
|---------------------------------|--------------------------|
| Part Number | PE5M 25 -15S -MPB |
| EAGLE timing pulley - solid hub | |
| Belt width in mm | |
| Number of teeth | |
| Solid hub | |

PE5M - belt width 12,5 mm

5M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| PE5M12,5-15S-MP | 15 | 1 | 23,87 | 22,91 | - | 17,0 | 6,0 | 13,5 | 19,5 | 6,0 | aluminum |
| PE5M12,5-16S-MP | 16 | 1 | 25,47 | 24,51 | - | 19,0 | 6,0 | 13,5 | 19,5 | 6,0 | |
| PE5M12,5-18S-MP | 18 | 1 | 28,65 | 27,69 | - | 22,0 | 6,0 | 13,5 | 19,5 | 6,0 | |
| PE5M12,5-19S-MP | 19 | 1 | 30,23 | 29,27 | - | 24,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-20S-MP | 20 | 1 | 31,83 | 30,87 | - | 25,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-22S-MP | 22 | 1 | 35,01 | 34,05 | - | 28,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-24S-MP | 24 | 1 | 38,19 | 37,23 | - | 32,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-25S-MP | 25 | 1 | 39,79 | 38,83 | - | 33,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-26S-MP | 26 | 1 | 41,38 | 40,42 | - | 35,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-27S-MP | 27 | 1 | 42,97 | 42,01 | - | 36,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-28S-MP | 28 | 1 | 44,56 | 43,60 | - | 38,0 | 6,0 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-30S-MP | 30 | 1 | 47,75 | 46,79 | - | 41,0 | 12,7 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-32S-MP | 32 | 1 | 50,93 | 49,97 | - | 44,0 | 12,7 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-36S-MP | 36 | 1 | 57,30 | 56,34 | - | 51,0 | 12,7 | 13,5 | 21,5 | 8,0 | |
| PE5M12,5-40S-MP | 40 | 1 | 63,66 | 62,70 | - | 57,0 | 12,7 | 13,5 | 24,5 | 11,0 | |
| PE5M12,5-44S-MP | 44 | 1 | 70,03 | 69,07 | - | 63,0 | 12,7 | 13,5 | 24,5 | 11,0 | |
| PE5M12,5-48S-MP | 48 | 1 | 76,39 | 75,43 | - | 70,0 | 12,7 | 13,5 | 24,5 | 11,0 | |
| PE5M12,5-60S-MP | 60 | 1 | 95,49 | 94,53 | - | 89,0 | 12,7 | 13,5 | 24,5 | 11,0 | |



PE5M - belt width 25 mm

5M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| PE5M25-15S-MPB | 15 | 1 | 23,87 | 22,91 | - | 17,0 | 6,0 | 26,0 | 32,0 | 6,0 | aluminum |
| PE5M25-16S-MPB | 16 | 1 | 25,47 | 24,51 | - | 19,0 | 6,0 | 26,0 | 32,0 | 6,0 | |
| PE5M25-18S-MPB | 18 | 1 | 28,65 | 27,69 | - | 22,0 | 6,0 | 26,0 | 32,0 | 6,0 | |
| PE5M25-19S-MPB | 19 | 1 | 30,23 | 29,27 | - | 24,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-20S-MPB | 20 | 1 | 31,83 | 30,87 | - | 25,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-22S-MPB | 22 | 1 | 35,01 | 34,05 | - | 28,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-24S-MPB | 24 | 1 | 38,19 | 37,23 | - | 32,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-25S-MPB | 25 | 1 | 39,79 | 38,83 | - | 33,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-26S-MPB | 26 | 1 | 41,38 | 40,42 | - | 35,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-27S-MPB | 27 | 1 | 42,97 | 42,01 | - | 36,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-28S-MPB | 28 | 1 | 44,56 | 43,60 | - | 38,0 | 6,0 | 26,0 | 34,0 | 8,0 | |
| PE5M25-30S-MPB | 30 | 1 | 47,75 | 46,79 | - | 41,0 | 12,7 | 26,0 | 34,0 | 8,0 | |
| PE5M25-32S-MPB | 32 | 1 | 50,93 | 49,97 | - | 44,0 | 12,7 | 26,0 | 34,0 | 8,0 | |
| PE5M25-36S-MPB | 36 | 1 | 57,30 | 56,34 | - | 51,0 | 12,7 | 26,0 | 34,0 | 8,0 | |
| PE5M25-40S-MPB | 40 | 1 | 63,66 | 62,70 | - | 57,0 | 12,7 | 26,0 | 37,0 | 11,0 | |
| PE5M25-44S-MPB | 44 | 1 | 70,03 | 69,07 | - | 63,0 | 12,7 | 26,0 | 37,0 | 11,0 | |
| PE5M25-48S-MPB | 48 | 1 | 76,39 | 75,43 | - | 70,0 | 12,7 | 26,0 | 37,0 | 11,0 | |
| PE5M25-60S-MPB | 60 | 1 | 95,49 | 94,53 | - | 89,0 | 12,7 | 26,0 | 37,0 | 11,0 | |

Dimensions of timing pulleys EAGLE - solid hub aluminum type

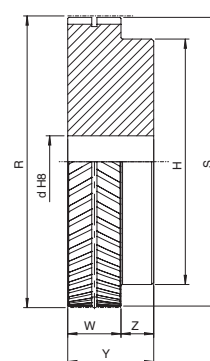


| Part Number | PE | M | -20S | -MPB |
|---------------------------------|----|---|------|------|
| EAGLE timing pulley - solid hub | | | | |
| Belt width (25 mm) | | | | |
| Number of teeth | | | | |
| Solid hub | | | | |

PEM - belt width 25 mm

8M

| Code | Teeth nr. | Type | R [mm] | S [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore | Material |
|-------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|----------|----------|
| PEM-20S-MPB | 20 | 1 | 50,93 | 49,55 | 41,0 | 12,7 | 26,0 | 38,0 | 12,0 | 27,0 | aluminum |
| PEM-22S-MPB | 22 | 1 | 56,02 | 54,64 | 46,0 | 12,7 | 26,0 | 38,0 | 12,0 | 31,0 | |
| PEM-24S-MPB | 24 | 1 | 61,12 | 59,74 | 51,0 | 12,7 | 26,0 | 42,0 | 16,0 | 34,0 | |
| PEM-26S-MPB | 26 | 1 | 66,21 | 64,83 | 58,0 | 12,7 | 26,0 | 42,0 | 16,0 | 39,0 | |
| PEM-28S-MPB | 28 | 1 | 71,30 | 69,92 | 62,0 | 12,7 | 26,0 | 42,0 | 16,0 | 41,0 | |
| PEM-30S-MPB | 30 | 1 | 76,39 | 75,01 | 67,0 | 12,7 | 26,0 | 42,0 | 16,0 | 45,0 | |
| PEM-32S-MPB | 32 | 1 | 81,49 | 80,11 | 72,0 | 12,7 | 26,0 | 42,0 | 16,0 | 48,0 | |
| PEM-34S-MPB | 34 | 1 | 86,58 | 85,20 | 77,0 | 12,7 | 26,0 | 42,0 | 16,0 | 51,0 | |
| PEM-36S-MPB | 36 | 1 | 91,67 | 90,29 | 82,0 | 12,7 | 26,0 | 42,0 | 16,0 | 55,0 | |
| PEM-38S-MPB | 38 | 1 | 96,77 | 95,39 | 87,0 | 12,7 | 26,0 | 42,0 | 16,0 | 58,0 | |
| PEM-40S-MPB | 40 | 1 | 101,86 | 100,48 | 92,0 | 12,7 | 26,0 | 42,0 | 16,0 | 62,0 | |
| PEM-56S-MPB | 56 | 1 | 142,60 | 141,22 | 133,0 | 12,7 | 26,0 | 42,0 | 16,0 | 89,0 | |
| PEM-90S-MPB | 90 | 2 | 229,18 | 227,80 | 120,0 | 25,4 | 26,0 | 42,0 | 16,0 | 80,0 | |

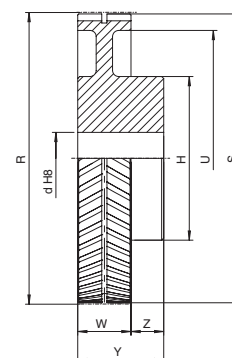


1

PEL - belt width 50 mm

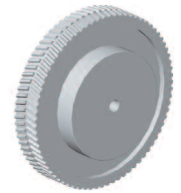
8M

| Code | Teeth nr. | Type | R [mm] | S [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore | Material |
|-------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|----------|----------|
| PEL-20S-MPB | 20 | 1 | 50,93 | 49,55 | 41,0 | 12,7 | 51,0 | 63,0 | 12,0 | 27,0 | aluminum |
| PEL-22S-MPB | 22 | 1 | 56,02 | 54,64 | 46,0 | 12,7 | 51,0 | 63,0 | 12,0 | 31,0 | |
| PEL-24S-MPB | 24 | 1 | 61,12 | 59,74 | 51,0 | 12,7 | 51,0 | 67,0 | 16,0 | 34,0 | |
| PEL-26S-MPB | 26 | 1 | 66,21 | 64,83 | 58,0 | 12,7 | 51,0 | 67,0 | 16,0 | 39,0 | |
| PEL-28S-MPB | 28 | 1 | 71,30 | 69,92 | 62,0 | 12,7 | 51,0 | 67,0 | 16,0 | 41,0 | |
| PEL-30S-MPB | 30 | 1 | 76,39 | 75,01 | 67,0 | 12,7 | 51,0 | 67,0 | 16,0 | 45,0 | |
| PEL-32S-MPB | 32 | 1 | 81,49 | 80,11 | 72,0 | 12,7 | 51,0 | 67,0 | 16,0 | 48,0 | |
| PEL-34S-MPB | 34 | 1 | 86,58 | 85,20 | 77,0 | 12,7 | 51,0 | 67,0 | 16,0 | 51,0 | |
| PEL-36S-MPB | 36 | 1 | 91,67 | 90,29 | 82,0 | 12,7 | 51,0 | 67,0 | 16,0 | 55,0 | |
| PEL-38S-MPB | 38 | 1 | 96,77 | 95,39 | 87,0 | 12,7 | 51,0 | 67,0 | 16,0 | 58,0 | |
| PEL-40S-MPB | 40 | 1 | 101,86 | 100,48 | 92,0 | 12,7 | 51,0 | 67,0 | 16,0 | 62,0 | |
| PEL-56S-MPB | 56 | 1 | 142,60 | 141,22 | 133,0 | 12,7 | 51,0 | 67,0 | 16,0 | 89,0 | |
| PEL-90S-MPB | 90 | 2 | 229,18 | 227,80 | 120,0 | 25,4 | 51,0 | 67,0 | 16,0 | 80,0 | |



2

Dimensions of timing pulleys EAGLE - solid hub aluminum type

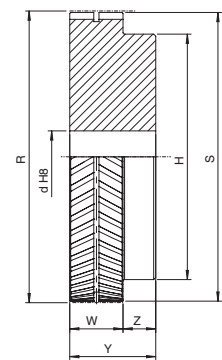


| | |
|---------------------------------|---------------------------|
| Part Number | PE10M 25 -15S -MPB |
| EAGLE timing pulley - solid hub | |
| Belt width (25 mm) | |
| Number of teeth | |
| Solid hub | |

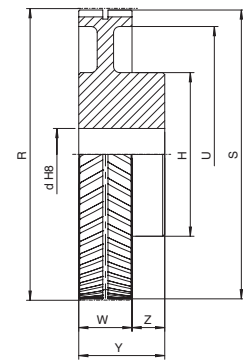
PE10M - belt width 25 mm

10M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PE10M25-15S-MPB | 15 | 1 | 47,75 | 45,75 | - | 35,0 | 12,70 | 26,0 | 36,0 | 10,0 | 23,0 | aluminum |
| PE10M25-16S-MPB | 16 | 1 | 50,93 | 48,93 | - | 38,0 | 12,70 | 26,0 | 36,0 | 10,0 | 25,0 | |
| PE10M25-18S-MPB | 18 | 1 | 57,30 | 55,30 | - | 44,0 | 12,70 | 26,0 | 36,0 | 10,0 | 30,0 | |
| PE10M25-19S-MPB | 19 | 1 | 60,48 | 58,48 | - | 47,0 | 12,70 | 26,0 | 36,0 | 10,0 | 32,0 | |
| PE10M25-20S-MPB | 20 | 1 | 63,66 | 61,66 | - | 51,0 | 12,70 | 26,0 | 36,0 | 10,0 | 34,0 | |
| PE10M25-22S-MPB | 22 | 1 | 70,03 | 68,03 | - | 57,0 | 12,70 | 26,0 | 36,0 | 10,0 | 38,0 | |
| PE10M25-24S-MPB | 24 | 1 | 76,39 | 74,39 | - | 63,0 | 12,70 | 26,0 | 36,0 | 10,0 | 42,0 | |
| PE10M25-25S-MPB | 25 | 1 | 79,58 | 77,58 | - | 67,0 | 12,70 | 26,0 | 36,0 | 10,0 | 44,0 | |
| PE10M25-26S-MPB | 26 | 1 | 82,76 | 80,76 | - | 70,0 | 12,70 | 26,0 | 36,0 | 10,0 | 47,0 | |
| PE10M25-27S-MPB | 27 | 1 | 85,94 | 83,94 | - | 73,0 | 12,70 | 26,0 | 36,0 | 10,0 | 49,0 | |
| PE10M25-28S-MPB | 28 | 1 | 89,13 | 87,13 | - | 76,0 | 12,70 | 26,0 | 36,0 | 10,0 | 51,0 | |
| PE10M25-30S-MPB | 30 | 1 | 95,49 | 93,49 | - | 82,0 | 12,70 | 26,0 | 36,0 | 10,0 | 55,0 | |
| PE10M25-32S-MPB | 32 | 1 | 101,86 | 99,86 | - | 89,0 | 12,70 | 26,0 | 36,0 | 10,0 | 59,0 | |
| PE10M25-36S-MPB | 36 | 1 | 114,59 | 112,59 | - | 102,0 | 12,70 | 26,0 | 36,0 | 10,0 | 68,0 | |
| PE10M25-40S-MPB | 40 | 1 | 127,32 | 125,32 | - | 114,0 | 12,70 | 26,0 | 36,0 | 10,0 | 76,0 | |
| PE10M25-44S-MPB | 44 | 1 | 140,06 | 138,06 | - | 127,0 | 12,70 | 26,0 | 36,0 | 10,0 | 85,0 | |
| PE10M25-48S-MPB | 48 | 1 | 152,79 | 150,79 | - | 140,0 | 12,70 | 26,0 | 36,0 | 10,0 | 93,0 | |
| PE10M25-60S-MPB | 60 | 2 | 190,99 | 188,99 | 162,0 | 110,0 | 25,40 | 26,0 | 36,0 | 10,0 | 65,0 | |



1



2

PE10M - belt width 32 mm

10M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PE10M32-15S-MPB | 15 | 1 | 47,75 | 45,75 | - | 35,0 | 12,70 | 33,0 | 43,0 | 10,0 | 23,0 | aluminum |
| PE10M32-16S-MPB | 16 | 1 | 50,93 | 48,93 | - | 38,0 | 12,70 | 33,0 | 43,0 | 10,0 | 25,0 | |
| PE10M32-18S-MPB | 18 | 1 | 57,30 | 55,30 | - | 44,0 | 12,70 | 33,0 | 43,0 | 10,0 | 30,0 | |
| PE10M32-19S-MPB | 19 | 1 | 60,48 | 58,48 | - | 47,0 | 12,70 | 33,0 | 43,0 | 10,0 | 32,0 | |
| PE10M32-20S-MPB | 20 | 1 | 63,66 | 61,66 | - | 51,0 | 12,70 | 33,0 | 43,0 | 10,0 | 34,0 | |
| PE10M32-22S-MPB | 22 | 1 | 70,03 | 68,03 | - | 57,0 | 12,70 | 33,0 | 43,0 | 10,0 | 38,0 | |
| PE10M32-24S-MPB | 24 | 1 | 76,39 | 74,39 | - | 63,0 | 12,70 | 33,0 | 43,0 | 10,0 | 42,0 | |
| PE10M32-25S-MPB | 25 | 1 | 79,58 | 77,58 | - | 67,0 | 12,70 | 33,0 | 43,0 | 10,0 | 44,0 | |
| PE10M32-26S-MPB | 26 | 1 | 82,76 | 80,76 | - | 70,0 | 12,70 | 33,0 | 43,0 | 10,0 | 47,0 | |
| PE10M32-27S-MPB | 27 | 1 | 85,94 | 83,94 | - | 73,0 | 12,70 | 33,0 | 43,0 | 10,0 | 49,0 | |
| PE10M32-28S-MPB | 28 | 1 | 89,13 | 87,13 | - | 76,0 | 12,70 | 33,0 | 43,0 | 10,0 | 51,0 | |
| PE10M32-30S-MPB | 30 | 1 | 95,49 | 93,49 | - | 82,0 | 12,70 | 33,0 | 43,0 | 10,0 | 55,0 | |
| PE10M32-32S-MPB | 32 | 1 | 101,86 | 99,86 | - | 89,0 | 12,70 | 33,0 | 43,0 | 10,0 | 59,0 | |
| PE10M32-36S-MPB | 36 | 1 | 114,59 | 112,59 | - | 102,0 | 12,70 | 33,0 | 43,0 | 10,0 | 68,0 | |
| PE10M32-40S-MPB | 40 | 1 | 127,32 | 125,32 | - | 114,0 | 12,70 | 33,0 | 43,0 | 10,0 | 76,0 | |
| PE10M32-44S-MPB | 44 | 1 | 140,06 | 138,06 | - | 127,0 | 12,70 | 33,0 | 43,0 | 10,0 | 85,0 | |
| PE10M32-48S-MPB | 48 | 1 | 152,79 | 150,79 | - | 140,0 | 12,70 | 33,0 | 43,0 | 10,0 | 93,0 | |
| PE10M32-60S-MPB | 60 | 2 | 190,99 | 188,99 | 161,0 | 178,0 | 25,40 | 33,0 | 43,0 | 10,0 | 105,0 | |

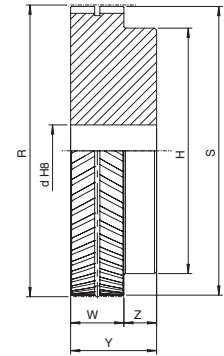
Dimensions of timing pulleys EAGLE - solid hub aluminum type



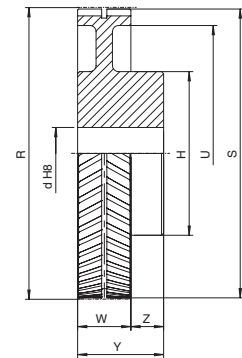
PE10M - belt width 50 mm

10M

| Code | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PE10M50-15S-MPB | 15 | 1 | 47,75 | 45,75 | - | 35,0 | 12,70 | 51,0 | 61,0 | 10,0 | 23,0 | aluminum |
| PE10M50-16S-MPB | 16 | 1 | 50,93 | 48,93 | - | 38,0 | 12,70 | 51,0 | 61,0 | 10,0 | 25,0 | |
| PE10M50-18S-MPB | 18 | 1 | 57,30 | 55,30 | - | 44,0 | 12,70 | 51,0 | 61,0 | 10,0 | 30,0 | |
| PE10M50-19S-MPB | 19 | 1 | 60,48 | 58,48 | - | 47,0 | 12,70 | 51,0 | 61,0 | 10,0 | 32,0 | |
| PE10M50-20S-MPB | 20 | 1 | 63,66 | 61,66 | - | 51,0 | 12,70 | 51,0 | 61,0 | 10,0 | 34,0 | |
| PE10M50-22S-MPB | 22 | 1 | 70,03 | 68,03 | - | 57,0 | 12,70 | 51,0 | 61,0 | 10,0 | 38,0 | |
| PE10M50-24S-MPB | 24 | 1 | 76,39 | 74,39 | - | 63,0 | 12,70 | 51,0 | 61,0 | 10,0 | 42,0 | |
| PE10M50-25S-MPB | 25 | 1 | 79,58 | 77,58 | - | 67,0 | 12,70 | 51,0 | 61,0 | 10,0 | 44,0 | |
| PE10M50-26S-MPB | 26 | 1 | 82,76 | 80,76 | - | 70,0 | 12,70 | 51,0 | 61,0 | 10,0 | 47,0 | |
| PE10M50-27S-MPB | 27 | 1 | 85,94 | 83,94 | - | 73,0 | 12,70 | 51,0 | 61,0 | 10,0 | 49,0 | |
| PE10M50-28S-MPB | 28 | 1 | 89,13 | 87,13 | - | 76,0 | 12,70 | 51,0 | 61,0 | 10,0 | 51,0 | |
| PE10M50-30S-MPB | 30 | 1 | 95,49 | 93,49 | - | 82,0 | 12,70 | 51,0 | 61,0 | 10,0 | 55,0 | |
| PE10M50-32S-MPB | 32 | 1 | 101,86 | 99,86 | - | 89,0 | 12,70 | 51,0 | 61,0 | 10,0 | 59,0 | |
| PE10M50-36S-MPB | 36 | 1 | 114,59 | 112,59 | - | 102,0 | 12,70 | 51,0 | 61,0 | 10,0 | 68,0 | |
| PE10M50-40S-MPB | 40 | 1 | 127,32 | 125,32 | - | 114,0 | 12,70 | 51,0 | 61,0 | 10,0 | 76,0 | |
| PE10M50-44S-MPB | 44 | 1 | 140,06 | 138,06 | - | 127,0 | 12,70 | 51,0 | 61,0 | 10,0 | 85,0 | |
| PE10M50-48S-MPB | 48 | 1 | 152,79 | 150,79 | - | 140,0 | 12,70 | 51,0 | 61,0 | 10,0 | 93,0 | |
| PE10M50-60S-MPB | 60 | 2 | 190,99 | 188,99 | 161,0 | 178,0 | 25,40 | 51,0 | 61,0 | 10,0 | 105,0 | |

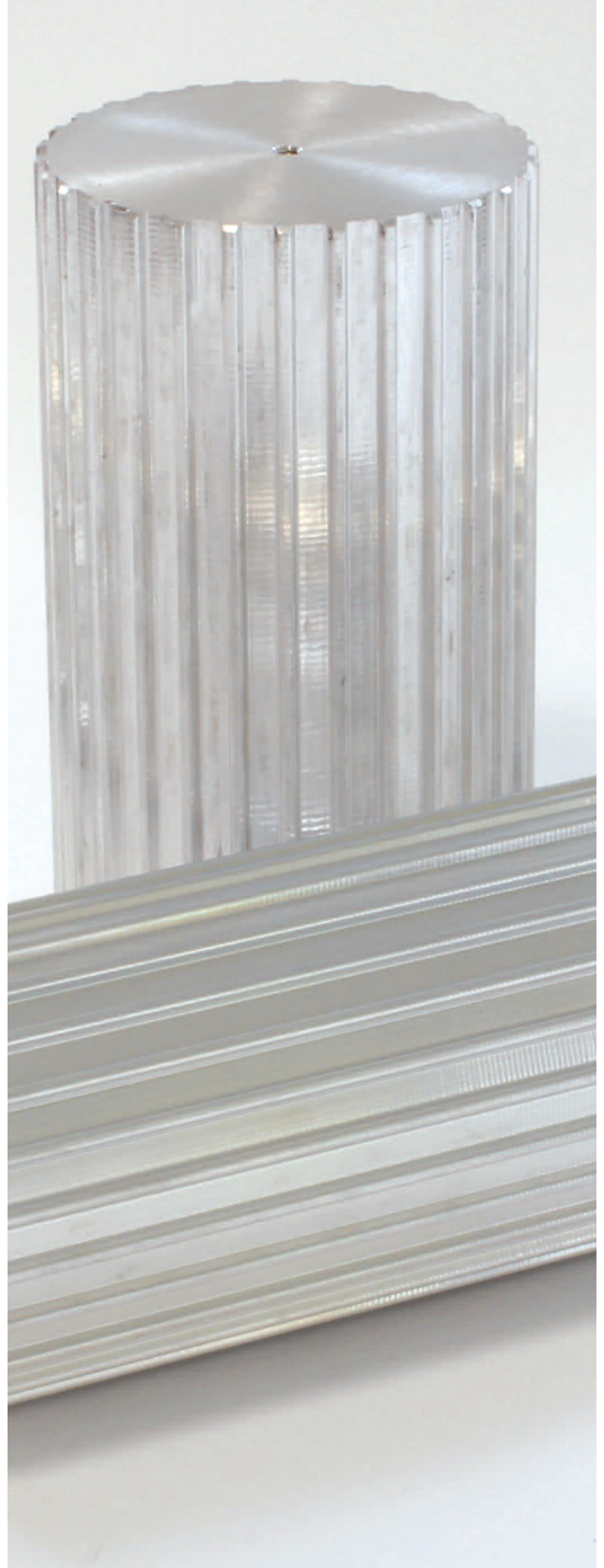


1



2

Timing Bars

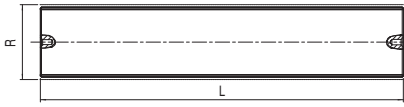


SIT timing bars - IMPERIAL PITCH

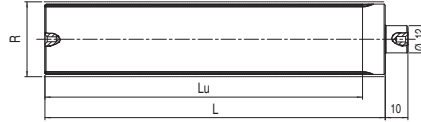
Pitches MXL - XL - L

“MXL” timing bars are made of 6082 aluminum suitable for hard anodizing treatment.

“XL” and “L” timing bars are made of C45 steel and of 6082 aluminum suitable for hard anodizing treatment.



1



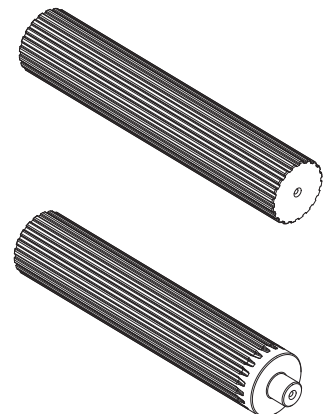
3

Dimensions

| MXL 0,080" (2,032 mm) | | | | | |
|--------------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10MXL* | 10 | 3 | 6,47 | 50 | 75 |
| BAR11MXL* | 11 | 3 | 7,11 | 50 | 75 |
| BAR12MXL | 12 | 3 | 7,76 | 50 | 75 |
| BAR13MXL* | 13 | 3 | 8,41 | 50 | 75 |
| BAR14MXL | 14 | 3 | 9,06 | 50 | 75 |
| BAR15MXL | 15 | 3 | 9,70 | 50 | 75 |
| BAR16MXL | 16 | 3 | 10,35 | 50 | 75 |
| BAR17MXL* | 17 | 3 | 11,00 | 50 | 75 |
| BAR18MXL | 18 | 3 | 11,64 | 50 | 75 |
| BAR19MXL* | 19 | 3 | 12,29 | 90 | 120 |
| BAR20MXL | 20 | 3 | 12,94 | 90 | 120 |
| BAR21MXL* | 21 | 3 | 13,58 | 90 | 120 |
| BAR22MXL | 22 | 3 | 14,23 | 125 | 140 |
| BAR23MXL* | 23 | 3 | 14,88 | 125 | 140 |
| BAR24MXL | 24 | 3 | 15,52 | 125 | 140 |
| BAR25MXL | 25 | 3 | 16,17 | 125 | 140 |
| BAR26MXL | 26 | 3 | 16,82 | 125 | 140 |
| BAR27MXL* | 27 | 3 | 17,46 | 125 | 140 |
| BAR28MXL | 28 | 3 | 18,11 | 125 | 140 |
| BAR29MXL* | 29 | 3 | 18,76 | 125 | 140 |
| BAR30MXL | 30 | 3 | 19,40 | 125 | 140 |
| BAR32MXL | 32 | 3 | 20,70 | 125 | 140 |
| BAR34MXL | 34 | 3 | 21,99 | 125 | 140 |
| BAR35MXL* | 35 | 3 | 22,64 | 132 | 140 |
| BAR36MXL | 36 | 3 | 23,29 | 132 | 140 |
| BAR38MXL | 38 | 3 | 24,58 | 132 | 140 |
| BAR40MXL | 40 | 3 | 25,87 | 132 | 140 |
| BAR42MXL | 42 | 3 | 27,17 | 140 | 140 |
| BAR44MXL | 44 | 3 | 28,46 | 140 | 140 |
| BAR45MXL | 45 | 3 | 29,11 | 140 | 140 |
| BAR48MXL | 48 | 3 | 31,05 | 140 | 140 |
| BAR50MXL* | 50 | 3 | 32,34 | 140 | 140 |
| BAR60MXL | 60 | 3 | 38,81 | 160 | 160 |
| BAR64MXL* | 64 | 3 | 41,40 | 160 | 160 |
| BAR65MXL* | 65 | 3 | 42,04 | 160 | 160 |
| BAR70MXL | 70 | 3 | 45,28 | 160 | 160 |
| BAR72MXL | 72 | 3 | 46,57 | 160 | 160 |
| BAR75MXL* | 75 | 3 | 48,51 | 160 | 160 |
| BAR90MXL* | 90 | 3 | 58,21 | 160 | 160 |
| BAR110MXL* | 110 | 3 | 71,15 | 160 | 160 |

| XL 1/5" (5,08 mm) | | | | | |
|----------------------|-----------|------|--------|---------|--------|
| STEEL - ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10XL | 10 | 1 | 16,17 | 140 | 140 |
| BAR11XL | 11 | 1 | 17,79 | 140 | 140 |
| BAR12XL | 12 | 1 | 19,4 | 140 | 140 |
| BAR13XL | 13 | 1 | 21,02 | 140 | 140 |
| BAR14XL | 14 | 1 | 22,64 | 140 | 140 |
| BAR15XL | 15 | 1 | 24,25 | 140 | 140 |
| BAR16XL | 16 | 1 | 25,87 | 140 | 140 |
| BAR17XL | 17 | 1 | 27,49 | 140 | 140 |
| BAR18XL | 18 | 1 | 29,11 | 140 | 140 |
| BAR19XL | 19 | 1 | 30,72 | 140 | 140 |
| BAR20XL | 20 | 1 | 32,34 | 140 | 140 |
| BAR21XL | 21 | 1 | 33,96 | 160 | 160 |
| BAR22XL | 22 | 1 | 35,57 | 160 | 160 |
| BAR23XL | 23 | 1 | 37,19 | 160 | 160 |
| BAR24XL | 24 | 1 | 38,81 | 160 | 160 |
| BAR25XL | 25 | 1 | 40,43 | 160 | 160 |
| BAR26XL | 26 | 1 | 42,04 | 160 | 160 |
| BAR27XL | 27 | 1 | 43,66 | 160 | 160 |
| BAR28XL | 28 | 1 | 45,28 | 160 | 160 |
| BAR29XL | 29 | 1 | 46,89 | 160 | 160 |
| BAR30XL | 30 | 1 | 48,51 | 160 | 160 |
| BAR32XL | 32 | 1 | 51,74 | 160 | 160 |
| BAR33XL | 33 | 1 | 53,36 | 160 | 160 |
| BAR34XL | 34 | 1 | 54,98 | 160 | 160 |
| BAR35XL | 35 | 1 | 56,6 | 160 | 160 |
| BAR36XL | 36 | 1 | 58,21 | 160 | 160 |
| BAR38XL | 38 | 1 | 61,45 | 160 | 160 |
| BAR39XL | 39 | 1 | 63,06 | 160 | 160 |
| BAR40XL | 40 | 1 | 64,68 | 160 | 160 |
| BAR41XL | 41 | 1 | 66,3 | 160 | 160 |
| BAR42XL | 42 | 1 | 67,91 | 160 | 160 |
| BAR43XL | 43 | 1 | 69,53 | 160 | 160 |
| BAR44XL | 44 | 1 | 71,15 | 160 | 160 |
| BAR48XL | 48 | 1 | 77,62 | 160 | 160 |
| BAR56XL | 56 | 1 | 90,55 | 160 | 160 |
| BAR60XL | 60 | 1 | 97,02 | 160 | 160 |
| BAR72XL | 72 | 1 | 116,43 | 160 | 160 |

| L 3/8" (9,525 mm) | | | | | |
|----------------------|-----------|------|--------|---------|--------|
| STEEL - ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10L | 10 | 1 | 30,32 | 140 | 140 |
| BAR11L | 11 | 1 | 33,35 | 140 | 140 |
| BAR12L | 12 | 1 | 36,38 | 160 | 160 |
| BAR13L | 13 | 1 | 39,41 | 160 | 160 |
| BAR14L | 14 | 1 | 42,45 | 160 | 160 |
| BAR15L | 15 | 1 | 45,48 | 160 | 160 |
| BAR16L | 16 | 1 | 48,51 | 160 | 160 |
| BAR17L | 17 | 1 | 51,54 | 160 | 160 |
| BAR18L | 18 | 1 | 54,57 | 160 | 160 |
| BAR19L | 19 | 1 | 57,61 | 160 | 160 |
| BAR20L | 20 | 1 | 60,64 | 160 | 160 |
| BAR21L | 21 | 1 | 63,67 | 160 | 160 |
| BAR22L | 22 | 1 | 66,7 | 160 | 160 |
| BAR23L | 23 | 1 | 69,73 | 160 | 160 |
| BAR24L | 24 | 1 | 72,77 | 160 | 160 |
| BAR27L | 27 | 1 | 81,86 | 160 | 160 |
| BAR30L | 30 | 1 | 90,96 | 160 | 160 |



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*= available on demand

Part Number **BAR 40 XL / AC**

Timing Bar _____

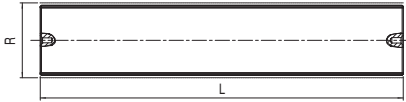
Teeth number _____

Pitch _____

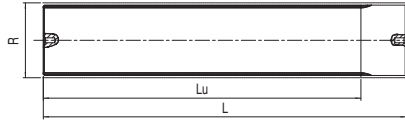
Material - AC: steel; AL: aluminum

Pitches 3M - 5M - 8M

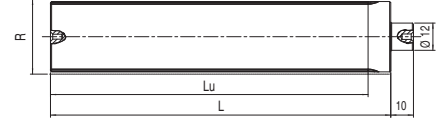
“TOP DRIVE® HTD” timing bars are made of 6082 aluminum suitable for hard anodizing treatment.



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2



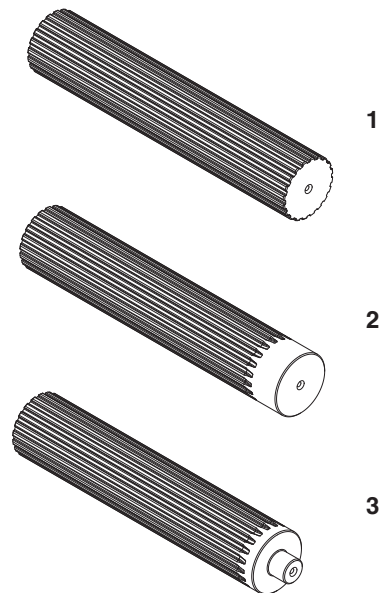
3

Dimensions

| HTD 3M pitch 3 mm | | | | | |
|----------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR9-3M* | 9 | 3 | 8,59 | 75 | 100 |
| BAR10-3M | 10 | 3 | 9,55 | 75 | 100 |
| BAR11-3M* | 11 | 3 | 10,50 | 75 | 100 |
| BAR12-3M | 12 | 3 | 11,46 | 100 | 125 |
| BAR13-3M* | 13 | 3 | 12,41 | 100 | 125 |
| BAR14-3M | 14 | 3 | 13,37 | 100 | 125 |
| BAR15-3M | 15 | 3 | 14,32 | 100 | 125 |
| BAR16-3M | 16 | 3 | 15,28 | 125 | 155 |
| BAR17-3M* | 17 | 3 | 16,23 | 125 | 155 |
| BAR18-3M | 18 | 3 | 17,19 | 125 | 155 |
| BAR19-3M* | 19 | 3 | 18,14 | 125 | 155 |
| BAR20-3M | 20 | 3 | 19,10 | 150 | 165 |
| BAR21-3M | 21 | 3 | 20,05 | 150 | 165 |
| BAR22-3M | 22 | 3 | 21,01 | 150 | 165 |
| BAR23-3M* | 23 | 3 | 21,96 | 150 | 165 |
| BAR24-3M | 24 | 3 | 22,92 | 150 | 165 |
| BAR25-3M* | 25 | 3 | 23,87 | 150 | 165 |
| BAR26-3M | 26 | 3 | 24,83 | 150 | 165 |
| BAR27-3M* | 27 | 3 | 25,78 | 150 | 165 |
| BAR28-3M | 28 | 3 | 26,74 | 150 | 165 |
| BAR29-3M* | 29 | 3 | 27,69 | 150 | 165 |
| BAR30-3M | 30 | 3 | 28,65 | 175 | 183 |
| BAR31-3M* | 31 | 3 | 29,60 | 175 | 183 |
| BAR32-3M | 32 | 3 | 30,56 | 175 | 183 |
| BAR33-3M* | 33 | 3 | 31,51 | 175 | 183 |
| BAR34-3M | 34 | 3 | 32,47 | 175 | 183 |
| BAR35-3M* | 35 | 3 | 33,42 | 175 | 183 |
| BAR36-3M | 36 | 3 | 34,38 | 200 | 200 |
| BAR37-3M* | 37 | 3 | 35,33 | 200 | 200 |
| BAR38-3M | 38 | 3 | 36,29 | 200 | 200 |
| BAR39-3M* | 39 | 3 | 37,24 | 200 | 200 |
| BAR40-3M | 40 | 3 | 38,20 | 200 | 200 |
| BAR42-3M* | 42 | 3 | 40,11 | 200 | 200 |
| BAR44-3M | 44 | 3 | 42,02 | 200 | 200 |
| BAR45-3M* | 45 | 3 | 42,97 | 200 | 200 |
| BAR48-3M | 48 | 3 | 45,84 | 200 | 200 |
| BAR50-3M* | 50 | 3 | 47,75 | 200 | 200 |
| BAR52-3M* | 52 | 3 | 49,66 | 200 | 200 |
| BAR54-3M* | 54 | 3 | 51,57 | 200 | 200 |
| BAR56-3M* | 56 | 3 | 53,48 | 200 | 200 |
| BAR60-3M | 60 | 3 | 57,30 | 200 | 200 |
| BAR62-3M* | 62 | 3 | 59,21 | 200 | 200 |
| BAR64-3M* | 64 | 3 | 61,12 | 200 | 200 |
| BAR66-3M* | 66 | 3 | 63,03 | 200 | 200 |
| BAR68-3M* | 68 | 3 | 64,94 | 200 | 200 |
| BAR70-3M* | 70 | 3 | 66,85 | 200 | 200 |
| BAR72-3M* | 72 | 3 | 68,75 | 200 | 200 |

| HTD 5M pitch 5 mm | | | | | |
|----------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR12-5M | 12 | 2 | 19,10 | 150 | 165 |
| BAR13-5M | 13 | 2 | 20,69 | 150 | 165 |
| BAR14-5M | 14 | 2 | 22,28 | 175 | 183 |
| BAR15-5M | 15 | 2 | 23,87 | 175 | 183 |
| BAR16-5M | 16 | 2 | 25,46 | 175 | 183 |
| BAR17-5M | 17 | 2 | 27,06 | 175 | 183 |
| BAR18-5M | 18 | 1 | 28,65 | 200 | 200 |
| BAR19-5M | 19 | 1 | 30,24 | 200 | 200 |
| BAR20-5M | 20 | 1 | 31,83 | 200 | 200 |
| BAR21-5M | 21 | 1 | 33,42 | 200 | 200 |
| BAR22-5M | 22 | 1 | 35,01 | 200 | 200 |
| BAR23-5M | 23 | 1 | 36,61 | 200 | 200 |
| BAR24-5M | 24 | 1 | 38,20 | 200 | 200 |
| BAR25-5M | 25 | 1 | 39,79 | 200 | 200 |
| BAR26-5M | 26 | 1 | 41,38 | 200 | 200 |
| BAR27-5M | 27 | 1 | 42,97 | 200 | 200 |
| BAR28-5M | 28 | 1 | 44,56 | 200 | 200 |
| BAR29-5M | 29 | 1 | 46,15 | 200 | 200 |
| BAR30-5M | 30 | 1 | 47,75 | 200 | 200 |
| BAR31-5M | 31 | 1 | 49,34 | 200 | 200 |
| BAR32-5M | 32 | 1 | 50,93 | 200 | 200 |
| BAR33-5M | 33 | 1 | 52,52 | 200 | 200 |
| BAR34-5M | 34 | 1 | 54,11 | 200 | 200 |
| BAR35-5M | 35 | 1 | 55,70 | 200 | 200 |
| BAR36-5M | 36 | 1 | 57,30 | 200 | 200 |
| BAR38-5M | 38 | 1 | 60,48 | 200 | 200 |
| BAR40-5M | 40 | 1 | 63,66 | 200 | 200 |
| BAR42-5M | 42 | 1 | 66,85 | 200 | 200 |
| BAR44-5M | 44 | 1 | 70,03 | 200 | 200 |
| BAR45-5M | 45 | 1 | 71,62 | 200 | 200 |
| BAR46-5M | 46 | 1 | 73,21 | 200 | 200 |
| BAR48-5M | 48 | 1 | 76,39 | 200 | 200 |
| BAR50-5M | 50 | 1 | 79,58 | 200 | 200 |
| BAR54-5M | 54 | 1 | 85,94 | 200 | 200 |
| BAR60-5M | 60 | 1 | 95,49 | 200 | 200 |
| BAR62-5M | 62 | 1 | 98,68 | 200 | 200 |
| BAR72-5M | 72 | 1 | 114,59 | 200 | 200 |

| HTD 8M pitch 8 mm | | | | | |
|----------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR18-8M | 18 | 1 | 45,84 | 200 | 200 |
| BAR19-8M | 19 | 1 | 48,38 | 200 | 200 |
| BAR20-8M | 20 | 1 | 50,93 | 200 | 200 |
| BAR21-8M | 21 | 1 | 53,48 | 200 | 200 |
| BAR22-8M | 22 | 1 | 56,02 | 200 | 200 |
| BAR23-8M | 23 | 1 | 58,57 | 200 | 200 |
| BAR24-8M | 24 | 1 | 61,12 | 200 | 200 |
| BAR25-8M | 25 | 1 | 63,66 | 200 | 200 |
| BAR26-8M | 26 | 1 | 66,21 | 200 | 200 |
| BAR28-8M | 28 | 1 | 71,30 | 200 | 200 |
| BAR30-8M | 30 | 1 | 76,39 | 200 | 200 |
| BAR32-8M | 32 | 1 | 81,49 | 200 | 200 |
| BAR34-8M | 34 | 1 | 86,58 | 200 | 200 |
| BAR35-8M | 35 | 1 | 89,13 | 200 | 200 |
| BAR36-8M | 36 | 1 | 91,67 | 200 | 200 |
| BAR38-8M | 38 | 1 | 96,77 | 200 | 200 |
| BAR40-8M | 40 | 1 | 101,86 | 200 | 200 |
| BAR44-8M | 44 | 1 | 112,05 | 200 | 200 |
| BAR48-8M | 48 | 1 | 122,23 | 200 | 200 |



Part Number **BAR 25 - 5M / AL**

Timing Bar _____

Teeth number _____

Pitch _____

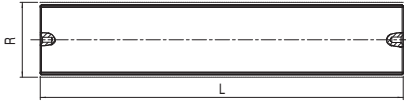
Material - AL: aluminum

*= available on demand

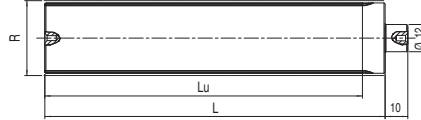
SIT timing bars - METRIC PITCH

Pitches T 2,5 - T 5 - T 10

“T” timing bars are made of 6082 aluminum suitable for hard anodizing treatment.



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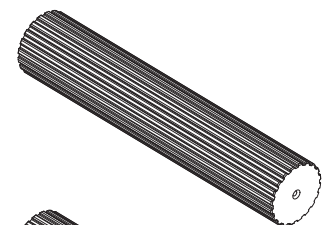
3

Dimensions

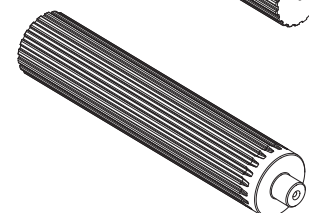
| T 2,5 pitch 2,5 mm | | | | | |
|-----------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10T2,5 | 10 | 3 | 7,96 | 50 | 75 |
| BAR12T2,5 | 12 | 3 | 9,55 | 50 | 75 |
| BAR13T2,5 | 13 | 3 | 10,35 | 50 | 75 |
| BAR14T2,5 | 14 | 3 | 11,14 | 50 | 75 |
| BAR15T2,5 | 15 | 3 | 11,94 | 50 | 75 |
| BAR16T2,5 | 16 | 3 | 12,73 | 50 | 75 |
| BAR17T2,5 | 17 | 3 | 13,53 | 50 | 75 |
| BAR18T2,5 | 18 | 3 | 14,32 | 50 | 75 |
| BAR19T2,5 | 19 | 3 | 15,12 | 90 | 120 |
| BAR20T2,5 | 20 | 3 | 15,92 | 90 | 120 |
| BAR21T2,5 | 21 | 3 | 16,71 | 90 | 120 |
| BAR22T2,5 | 22 | 3 | 17,51 | 125 | 140 |
| BAR24T2,5 | 24 | 3 | 19,10 | 125 | 140 |
| BAR26T2,5 | 26 | 3 | 20,69 | 125 | 140 |
| BAR27T2,5 | 27 | 3 | 21,49 | 125 | 140 |
| BAR28T2,5 | 28 | 3 | 22,28 | 125 | 140 |
| BAR29T2,5 | 29 | 3 | 23,08 | 125 | 140 |
| BAR30T2,5 | 30 | 3 | 23,87 | 125 | 140 |
| BAR32T2,5 | 32 | 3 | 25,46 | 125 | 140 |
| BAR34T2,5 | 34 | 3 | 27,06 | 125 | 140 |
| BAR35T2,5 | 35 | 3 | 27,85 | 132 | 140 |
| BAR36T2,5 | 36 | 3 | 28,65 | 132 | 140 |
| BAR38T2,5 | 38 | 3 | 30,24 | 132 | 140 |
| BAR40T2,5 | 40 | 3 | 31,83 | 132 | 140 |
| BAR42T2,5 | 42 | 3 | 33,42 | 140 | 140 |
| BAR44T2,5 | 44 | 3 | 35,01 | 140 | 140 |
| BAR45T2,5 | 45 | 3 | 35,81 | 140 | 140 |
| BAR48T2,5 | 48 | 3 | 38,20 | 140 | 140 |
| BAR50T2,5 | 50 | 3 | 39,79 | 160 | 160 |
| BAR60T2,5 | 60 | 3 | 47,75 | 160 | 160 |
| BAR65T2,5 | 65 | 3 | 51,73 | 160 | 160 |
| BAR70T2,5 | 70 | 3 | 55,70 | 160 | 160 |
| BAR72T2,5 | 72 | 3 | 57,30 | 160 | 160 |
| BAR90T2,5 | 90 | 3 | 71,62 | 160 | 160 |
| BAR100T2,5 | 100 | 3 | 79,58 | 160 | 160 |

| T 5 pitch 5 mm | | | | | |
|-------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10T5 | 10 | 1 | 15,91 | 140 | 140 |
| BAR11T5 | 11 | 1 | 17,5 | 140 | 140 |
| BAR12T5 | 12 | 1 | 19,1 | 140 | 140 |
| BAR13T5 | 13 | 1 | 20,69 | 140 | 140 |
| BAR14T5 | 14 | 1 | 22,28 | 140 | 140 |
| BAR15T5 | 15 | 1 | 23,87 | 140 | 140 |
| BAR16T5 | 16 | 1 | 25,47 | 140 | 140 |
| BAR17T5 | 17 | 1 | 27,06 | 140 | 140 |
| BAR18T5 | 18 | 1 | 28,65 | 140 | 140 |
| BAR19T5 | 19 | 1 | 30,24 | 140 | 140 |
| BAR20T5 | 20 | 1 | 31,83 | 160 | 160 |
| BAR21T5 | 21 | 1 | 33,42 | 160 | 160 |
| BAR22T5 | 22 | 1 | 35,01 | 160 | 160 |
| BAR23T5 | 23 | 1 | 36,61 | 160 | 160 |
| BAR24T5 | 24 | 1 | 38,19 | 160 | 160 |
| BAR25T5 | 25 | 1 | 39,79 | 160 | 160 |
| BAR26T5 | 26 | 1 | 41,38 | 160 | 160 |
| BAR27T5 | 27 | 1 | 42,97 | 160 | 160 |
| BAR28T5 | 28 | 1 | 44,56 | 160 | 160 |
| BAR29T5 | 29 | 1 | 46,16 | 160 | 160 |
| BAR30T5 | 30 | 1 | 47,15 | 160 | 160 |
| BAR32T5 | 32 | 1 | 50,93 | 160 | 160 |
| BAR34T5 | 34 | 1 | 54,11 | 160 | 160 |
| BAR35T5 | 35 | 1 | 55,71 | 160 | 160 |
| BAR36T5 | 36 | 1 | 57,3 | 160 | 160 |
| BAR37T5 | 37 | 1 | 58,89 | 160 | 160 |
| BAR38T5 | 38 | 1 | 60,48 | 160 | 160 |
| BAR40T5 | 40 | 1 | 63,66 | 160 | 160 |
| BAR42T5 | 42 | 1 | 68,85 | 160 | 160 |
| BAR44T5 | 44 | 1 | 70,03 | 160 | 160 |
| BAR45T5 | 45 | 1 | 71,62 | 160 | 160 |
| BAR46T5 | 46 | 1 | 73,21 | 160 | 160 |
| BAR48T5 | 48 | 1 | 76,39 | 160 | 160 |
| BAR50T5 | 50 | 1 | 79,58 | 160 | 160 |
| BAR60T5 | 60 | 1 | 95,49 | 160 | 160 |
| BAR72T5 | 72 | 1 | 114,59 | 160 | 160 |
| BAR80T5 | 80 | 1 | 127,32 | 160 | 160 |
| BAR90T5 | 90 | 1 | 143,24 | 160 | 160 |
| BAR100T5 | 100 | 1 | 159,15 | 160 | 160 |

| T 10 pitch 10 mm | | | | | |
|---------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10T10 | 10 | 1 | 31,83 | 140 | 140 |
| BAR11T10 | 11 | 1 | 35,01 | 140 | 140 |
| BAR12T10 | 12 | 1 | 38,19 | 140 | 140 |
| BAR13T10 | 13 | 1 | 41,38 | 140 | 140 |
| BAR14T10 | 14 | 1 | 44,56 | 160 | 160 |
| BAR15T10 | 15 | 1 | 47,74 | 160 | 160 |
| BAR16T10 | 16 | 1 | 50,93 | 160 | 160 |
| BAR17T10 | 17 | 1 | 54,11 | 160 | 160 |
| BAR18T10 | 18 | 1 | 57,29 | 160 | 160 |
| BAR19T10 | 19 | 1 | 60,47 | 160 | 160 |
| BAR20T10 | 20 | 1 | 63,66 | 160 | 160 |
| BAR21T10 | 21 | 1 | 66,84 | 160 | 160 |
| BAR22T10 | 22 | 1 | 70,02 | 160 | 160 |
| BAR23T10 | 23 | 1 | 73,21 | 160 | 160 |
| BAR24T10 | 24 | 1 | 76,39 | 160 | 160 |
| BAR26T10 | 26 | 1 | 82,76 | 160 | 160 |
| BAR28T10 | 28 | 1 | 89,12 | 160 | 160 |
| BAR30T10 | 30 | 1 | 95,49 | 160 | 160 |
| BAR32T10 | 32 | 1 | 101,85 | 160 | 160 |
| BAR34T10 | 34 | 1 | 108,22 | 160 | 160 |
| BAR36T10 | 36 | 1 | 114,59 | 160 | 160 |
| BAR38T10 | 38 | 1 | 120,95 | 160 | 160 |
| BAR40T10 | 40 | 1 | 127,32 | 160 | 160 |
| BAR45T10 | 45 | 1 | 143,23 | 160 | 160 |
| BAR48T10 | 48 | 1 | 152,78 | 160 | 160 |
| BAR60T10 | 60 | 1 | 190,98 | 160 | 160 |
| BAR72T10 | 72 | 1 | 229,17 | 160 | 160 |



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Part Number **BAR 22 T10 / AL**

Timing Bar _____

Teeth number _____

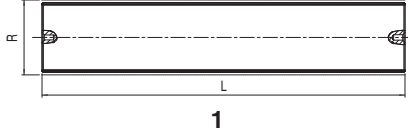
Pitch _____

Material - AL: aluminum _____

SIT timing bars - METRIC PITCH

Pitches AT 5 - AT 10

“AT” timing bars are made of 6082 aluminum suitable for hard anodizing treatment.



Part Number **BAR 28 AT10 / AL**

Timing Bar

Teeth number

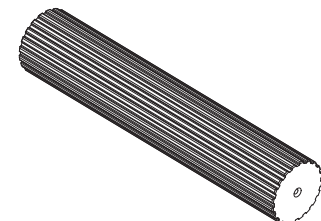
Pitch

Material - AL: aluminum

Dimensions

| AT 5 pitch 5 mm | | | | | |
|--------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR12AT5 | 12 | 1 | 19,1 | 140 | 140 |
| BAR13AT5 | 13 | 1 | 20,69 | 140 | 140 |
| BAR14AT5 | 14 | 1 | 22,28 | 140 | 140 |
| BAR15AT5 | 15 | 1 | 23,87 | 140 | 140 |
| BAR16AT5 | 16 | 1 | 25,47 | 140 | 140 |
| BAR17AT5 | 17 | 1 | 27,06 | 140 | 140 |
| BAR18AT5 | 18 | 1 | 28,65 | 140 | 140 |
| BAR19AT5 | 19 | 1 | 30,24 | 140 | 140 |
| BAR20AT5 | 20 | 1 | 31,83 | 160 | 160 |
| BAR21AT5 | 21 | 1 | 33,42 | 160 | 160 |
| BAR22AT5 | 22 | 1 | 35,01 | 160 | 160 |
| BAR23AT5 | 23 | 1 | 36,61 | 160 | 160 |
| BAR24AT5 | 24 | 1 | 38,19 | 160 | 160 |
| BAR25AT5 | 25 | 1 | 39,79 | 160 | 160 |
| BAR26AT5 | 26 | 1 | 41,38 | 160 | 160 |
| BAR27AT5 | 27 | 1 | 42,97 | 160 | 160 |
| BAR28AT5 | 28 | 1 | 44,56 | 160 | 160 |
| BAR29AT5 | 29 | 1 | 46,16 | 160 | 160 |
| BAR30AT5 | 30 | 1 | 47,15 | 160 | 160 |
| BAR31AT5 | 31 | 1 | 49,34 | 160 | 160 |
| BAR32AT5 | 32 | 1 | 50,93 | 160 | 160 |
| BAR33AT5 | 33 | 1 | 52,52 | 160 | 160 |
| BAR34AT5 | 34 | 1 | 54,11 | 160 | 160 |
| BAR35AT5 | 35 | 1 | 55,71 | 160 | 160 |
| BAR36AT5 | 36 | 1 | 57,3 | 160 | 160 |
| BAR38AT5 | 38 | 1 | 60,48 | 160 | 160 |
| BAR40AT5 | 40 | 1 | 63,66 | 160 | 160 |
| BAR42AT5 | 42 | 1 | 68,85 | 160 | 160 |
| BAR44AT5 | 44 | 1 | 70,03 | 160 | 160 |
| BAR45AT5 | 45 | 1 | 71,62 | 160 | 160 |
| BAR46AT5 | 46 | 1 | 73,21 | 160 | 160 |
| BAR48AT5 | 48 | 1 | 76,39 | 160 | 160 |
| BAR50AT5 | 50 | 1 | 79,58 | 160 | 160 |
| BAR52AT5 | 52 | 1 | 82,76 | 160 | 160 |
| BAR54AT5 | 54 | 1 | 85,94 | 160 | 160 |
| BAR55AT5 | 55 | 1 | 87,54 | 160 | 160 |
| BAR56AT5 | 56 | 1 | 89,13 | 160 | 160 |
| BAR58AT5 | 58 | 1 | 92,31 | 160 | 160 |
| BAR60AT5 | 60 | 1 | 95,49 | 160 | 160 |
| BAR62AT5 | 62 | 1 | 98,68 | 160 | 160 |
| BAR64AT5 | 64 | 1 | 101,86 | 160 | 160 |
| BAR65AT5 | 65 | 1 | 103,45 | 160 | 160 |
| BAR70AT5 | 70 | 1 | 111,41 | 160 | 160 |
| BAR72AT5 | 72 | 1 | 114,59 | 160 | 160 |

| AT 10 pitch 10 mm | | | | | |
|----------------------|-----------|------|--------|---------|--------|
| ALUMINUM | | | | | |
| Code | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR14AT10 | 14 | 1 | 44,56 | 160 | 160 |
| BAR15AT10 | 15 | 1 | 47,75 | 160 | 160 |
| BAR16AT10 | 16 | 1 | 50,93 | 160 | 160 |
| BAR17AT10 | 17 | 1 | 54,11 | 160 | 160 |
| BAR18AT10 | 18 | 1 | 57,30 | 160 | 160 |
| BAR19AT10 | 19 | 1 | 60,48 | 160 | 160 |
| BAR20AT10 | 20 | 1 | 63,66 | 160 | 160 |
| BAR21AT10 | 21 | 1 | 66,85 | 160 | 160 |
| BAR22AT10 | 22 | 1 | 70,03 | 160 | 160 |
| BAR23AT10 | 23 | 1 | 73,21 | 160 | 160 |
| BAR24AT10 | 24 | 1 | 76,39 | 160 | 160 |
| BAR25AT10 | 25 | 1 | 79,58 | 160 | 160 |
| BAR26AT10 | 26 | 1 | 82,76 | 160 | 160 |
| BAR27AT10 | 27 | 1 | 85,94 | 160 | 160 |
| BAR28AT10 | 28 | 1 | 89,13 | 160 | 160 |
| BAR29AT10 | 29 | 1 | 92,31 | 160 | 160 |
| BAR30AT10 | 30 | 1 | 95,49 | 160 | 160 |
| BAR31AT10 | 31 | 1 | 98,68 | 160 | 160 |
| BAR32AT10 | 32 | 1 | 101,86 | 160 | 160 |
| BAR33AT10 | 33 | 1 | 105,04 | 160 | 160 |
| BAR34AT10 | 34 | 1 | 108,23 | 160 | 160 |
| BAR35AT10 | 35 | 1 | 111,41 | 160 | 160 |
| BAR36AT10 | 36 | 1 | 114,59 | 160 | 160 |
| BAR37AT10 | 37 | 1 | 117,77 | 160 | 160 |
| BAR38AT10 | 38 | 1 | 120,96 | 160 | 160 |
| BAR40AT10 | 40 | 1 | 127,32 | 160 | 160 |
| BAR41AT10 | 41 | 1 | 130,51 | 160 | 160 |
| BAR42AT10 | 42 | 1 | 133,69 | 160 | 160 |
| BAR44AT10 | 44 | 1 | 140,06 | 160 | 160 |
| BAR45AT10 | 45 | 1 | 143,24 | 160 | 160 |
| BAR46AT10 | 46 | 1 | 146,42 | 160 | 160 |
| BAR48AT10 | 48 | 1 | 152,79 | 160 | 160 |
| BAR50AT10 | 50 | 1 | 159,15 | 160 | 160 |
| BAR51AT10 | 51 | 1 | 162,34 | 160 | 160 |
| BAR52AT10 | 52 | 1 | 165,52 | 160 | 160 |
| BAR54AT10 | 54 | 1 | 171,89 | 160 | 160 |
| BAR55AT10 | 55 | 1 | 175,07 | 160 | 160 |
| BAR56AT10 | 56 | 1 | 178,25 | 160 | 160 |
| BAR57AT10 | 57 | 1 | 181,44 | 160 | 160 |
| BAR58AT10 | 58 | 1 | 184,62 | 160 | 160 |
| BAR59AT10 | 59 | 1 | 187,80 | 160 | 160 |
| BAR60AT10 | 60 | 1 | 190,99 | 160 | 160 |
| BAR62AT10 | 62 | 1 | 197,35 | 160 | 160 |
| BAR70AT10 | 70 | 1 | 222,82 | 160 | 160 |



1

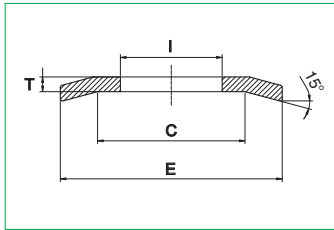
Flanges



SIT Flanges

Material: P11 UNI EN 10111 (Upon request, stainless steel and aluminum flanges can be supplied.)
 Finishing: Galvanized
 Production process: Molding

Special flanges according to SIT standards.
 Pulleys shown in this catalog do not necessarily use these special flanges.



| | |
|--------------------------|-----------------|
| Part Number | FL - 7 SP1,5 ZN |
| Flange for timing pulley | |
| Size | |
| Thickness | |
| Galvanized | |

Dimensions of special flanges according to SIT standard.

| Flange type | Internal diameter I [mm] | Diameter C [mm] | External diameter E [mm] | Flange thickness T [mm] | Number of pulley teeth | | | | | | | | Flange thickness T [mm] | 3 mm ST - RP - HD | Flange thickness T [mm] | Number of pulley teeth | | | | | |
|-------------|--------------------------|-----------------|--------------------------|-------------------------|------------------------|-------|----|----|-----|-----|-------------------------|-------------------------|-------------------------|-------------------|-------------------------|------------------------|-------------------|-------|----------|------------|-------|
| | | | | | XL | L | H | XH | XXH | T20 | 8 mm ST - RP - HD - PBG | 14mm ST - RP - HD - PBG | | | | 4.5 mm ST - RP - HD | 5 mm ST - RP - HD | T2,5 | T5 - AT5 | T10 - AT10 | |
| 0/0 | 6,5 | - | 12 | 0,6 | | | | | | | | | | 0,5 | 10 | 1 | | | 12-13 | | |
| 0/1 | 8,5 | - | 16 | 1 | | | | | | | | | | 0,5 | 12-13 | 1 | | | 14-15 | | |
| 0/2 | 10 | - | 18 | 1 | | | | | | | | | | 0,5 | 14 | 1 | | | 16-18 | 10 | |
| 0/3 | 12,5 | - | 21,5 | 1 | | | | | | | | | | 0,5 | | 1 | 12 | | 19 | | |
| 0/4 | 9 | - | 16 | 1 | | | | | | | | | | 0,5 | 15 | 1 | | | | | |
| 0/5 | 13 | - | 19 | 0,5 | | | | | | | | | | 0,5 | | 1 | | | | | |
| 1 | 13 | 17 | 20 | 1 | 10-11 | | | | | | | | | 0,5 | 16-19 | 1 | 13 | | 20-22 | 11 | |
| 1/1 | 15 | 19 | 23 | 1 | | | | | | | | | | 0,5 | 20 | 1 | | 12 | 24 | 12 | |
| 2 | 16 | 21 | 24 | 1 | 12-13 | | | | | | | | | 0,5 | 21 | 1 | 14-15 | 14 | 25-26 | 14 | |
| 2/1 | 17 | 22 | 25 | 1 | | | | | | | | | | 0,5 | 22-23 | 1 | | | | | |
| 3 | 19 | 24 | 27 | 1 | 14-15 | | | | | | | | | 0,5 | 24 spec. | 1 | 16-17 | 15-16 | 28-30 | 15 | |
| 3/1 | 21 | 26,5 | 29,5 | 1 | | | | | | | | | | 0,5 | | 1 | | | | | |
| 3/2 | 19 | 22 | 25 | 0,5 | | | | | | | | | | 0,5 | 24-26 | - | | | | | |
| 4 | 22 | 27 | 30 | 1 | 16-17 | | | | | | | | | 0,5 | 27-29 | 1 | 18-19 | 17-18 | 32-34 | 16-18 | |
| 4/1 | 22 | 30 | 33 | 1 | | | | | | | | | | 0,5 | | 1 | | | | | |
| 5 | 25 | 30 | 33 | 1,5 | 18 | 10 | | | | | | | | 0,5 | 30-32 | 1 | 20-21 | 20 | 35-37 | 19-20 | |
| 5/1 | 28 | | 34 | 0,5 | | | | | | | | | | 0,5 | | - | | | | | |
| 6 | 28 | 32 | 36 | 1,5 | 19-20 | 11 | | | | | | | | 0,5 | 33-35 | 1 | 22-23 | 21-22 | 38-40 | 21-22 | |
| 6/1 | 31 | | 36 | 1,5 | | | | | | | | | | 0,5 | | 1 | | | | | |
| 7 | 31 | 36 | 40 | 1,5 | 21-22-23 | 12 | | | | | | | | 0,5 | 36-39 | 1 | 25-26 | 24 | 42-44 | 24 | 12 |
| 7/1 | 31 | 40 | 47 | 1,5 | | 13 | | | | | 16-17 | | | 0,5 | | 1 | 27-28 | | | | 13 |
| 7/2 | 31 | 40 | 42 | - | | | | | | | | | | - | | 1 | | | | 24 | |
| 8 | 35 | 42 | 46 | 1,5 | 24-25-26 | 14 | | | | | | | | 0,5 | 40-44 | 1 | 29 | 26 | 25-27 | 14 | |
| 8/1 | 36 | 45 | 50 | 1,5 | | | | | | | | 18 | | 0,5 | | 1 | 30-31 | | | | |
| 8/2 | 35 | 42 | 44 | 1 | | | | | | | | | | 0,5 | | 1 | | | | | |
| 8/3 | 37 | 48 | 43 | 1,5 | | | | | | | | | | - | | - | | | | | |
| 9 | 39 | 46 | 50 | 1,5 | 27-28-29 | 15 | 12 | | | | | 19 | | 0,5 | | 1 | 32-33 | 28-30 | | 28-30 | 15 |
| 9/1 | 41 | 50 | 55 | 1,5 | | | | | | | | 20 | | 0,5 | | 1 | 34 | | | | |
| 9/2 | 39 | 46 | 51 | 1,5 | | | | | | | | 20 | | 0,5 | | 1 | | | | 30 | |
| 9/3 | 41 | 46 | 51 | - | | | | | | | | 20 | | 0,5 | | 1 | | | | 30 | |
| 10 | 43 | 48 | 55 | 1,5 | 30 | 16-17 | | | | | | 21 | | 0,5 | | 1 | 35-36 | 32 | | 31-33 | 16 |
| 10/1 | 47 | 52 | 57 | 1,5 | 32 | | | | | | | | | 0,5 | | 1 | | 34 | | | |
| 10/2 | 43 | 48 | 54 | 1 | | | | | | | | | | 0,5 | | 1 | | | | | |
| 10/3 | 46 | 51 | 57 | 1,5 | | | | | | | | | | - | | - | | | | | |
| 11 | 47 | 55 | 62 | 1,5 | 35-36 | 18-19 | 14 | | | | | 22-23 | | 0,5 | | 1 | 37-38 | 36 | | 34-36 | 17-18 |
| 11/1 | 51 | 61 | 67 | 1,5 | | | | | | | | 15 | | 0,5 | 64 | 1 | 39-40 | 38 | | | |
| 11/2 | 47 | 55 | 60 | 1,5 | | | | | | | | 22 | | 0,5 | | - | | | | | |
| 12 | 53 | 60 | 67 | 1,5 | | 20-21 | 16 | | | | | 25 | | 0,5 | | 1 | 41 | 40 | | 37-40 | 19-20 |
| 13 | 56 | 65 | 73 | 1,5 | 40-42 | 22-23 | | | | | | 26-27 | | 0,5 | | 1 | | 44 | | 41-42 | 21-22 |
| 13/1 | 60 | 70 | 77 | 1,5 | 44 | | 17 | | | | | 28 | | 0,5 | | 1 | | | | | 23 |
| 13/2 | 60 | 73 | 79 | 1,5 | | | | | | | | | | - | | - | | | | | |
| 13/3 | 56 | 65 | 70 | 1,5 | | | | | | | | 26 | | - | | - | | | | | |
| 13/4 | 57 | 68 | 75 | 1,5 | | | | | | | | 28 | | - | | - | | | | | |

| Flange type | Internal diameter I [mm] | Diameter C [mm] | External diameter E [mm] | Flange thickness T [mm] | Number of pulley teeth | | | | | | | Flange thickness T [mm] | 3 mm ST - RP - HD | Flange thickness T [mm] | Number of pulley teeth | | | | |
|-------------|--------------------------|-----------------|--------------------------|-------------------------|------------------------|-------|----------|-------|-----|-----|----------------------------|-------------------------|----------------------|-------------------------|----------------------------|------------------------|----------------------|-------|----------|
| | | | | | XL | L | H | XH | XXH | T20 | 8 mm ST - RP - HD - PBG | | | | 14mm ST - RP - HD - PBG | 4,5 mm ST - RP - HD | 5 mm ST - RP - HD | T2,5 | T5 - AT5 |
| 14 | 64 | 72 | 80 | 1,5 | | 24-25 | 18 | | | | 29 | | - | 1 | | | | | 24 |
| 14/1 | 71 | 77,3 | 80 | - | | | | | | | | | - | 1 | | | | 48 | |
| 14/2 | 71 | 77,3 | 79,5 | - | | | | | | | | | - | 1 | | | | 48 | |
| 15 | 68 | 79 | 84 | 1,5 | 48 | | 19 | | | | 30-31 | | - | 1 | | 48 | | 25 | |
| 16 | 71 | 80 | 88 | 1,5 | | 26-27 | 20 | | | | 32-33 | | - | 1 | | | | 26-27 | |
| 16/1 | 75 | 84 | 90 | 1,5 | | | | | | | | | - | 1 | | | | | |
| 16/2 | 75 | 88 | 94 | 1,5 | | | | | | | 34 | | - | - | | | | | |
| 17 | 78 | 88 | 94 | 1,5 | 52 | 28-29 | 21-22 | | | | 35 | | - | 1 | | 56 | | 28-29 | |
| 18 | 80 | 90 | 98 | 1,5 | 57 | 30 | 23 | | | | 36 | | - | 1 | | | | 30 | |
| 19 | 83 | 94 | 100 | 1,5 | | 31-32 | | | | | 37 | | - | 1 | | | 60 | 31 | |
| 20 | 88 | 96 | 104 | 1,5 | | | 24-25 | | | | 38-39 | | - | 1 | | 60 | | | |
| 20/1 | 90 | 101 | 108 | 1,5 | 60 | 33 | | | | | 40 | | - | 1 | | 64 | | | |
| 20/2 | 92,6 | 100,5 | 106 | 3 | | | | | | | 40 | | - | 1 | | | | | |
| 21 | 93 | 102 | 108 | 1,5 | | 34 | 26 | | | | 41 | | - | 1 | | | | 32-33 | |
| 21/1 | 94 | 106 | 111 | 1,5 | | | | | | | 42 | | - | 1 | | | | 66 | |
| 22 | 96 | 105 | 113 | 1,5 | | 35-36 | 27 | | | | 43 | | - | 1 | | | 68 | 34-35 | |
| 23 | 102 | 112 | 118 | 1,5 | | 37 | 28 | | | | | | - | 1 | | | | 36 | |
| 24 | 104 | 113 | 121 | 1,5 | 72 | 38-39 | 29 | | | | 44-45 | | - | 1 | | | | 37 | |
| 24/1 | 105 | 120 | 127 | 1,5 | | | | | | | 46-47 | | - | 1 | | | | 38 | |
| 25 | 108 | 125 | 134 | 2,5 | | | | 18 | | 20 | 28-29 | | - | 1 | | | | | |
| 26 | 112 | 121 | 129 | 1,5 | | 40-41 | 30 | | | | 48-49 | | - | 1 | | | | 39-40 | |
| 26/1 | 115 | 126 | 131 | 1,5 | | | 31 | | | | 50 | | - | 1 | | | | | |
| 27 | 115 | 132 | 142 | 2,5 | | | | 19 | | | 30 | | - | 1 | | | | | |
| 28 | 120 | 128 | 137 | 1,5 | | 42-43 | 32-33 | | | | 51-52 | | - | 1 | | | | | |
| 29 | 122 | 138 | 150 | 2,5 | | | | 20 | | 22 | 31-32 | | - | 1 | | | | | |
| 30 | 126 | 136 | 142 | 1,5 | | 44-45 | 34 | | | | 53-54 | | - | 1 | | | 86 | | |
| 31 | 130 | 140 | 145 | 1,5 | | 46 | 35 | | | | 55 | | - | - | | | | | |
| 32 | 130 | 146 | 158 | 2,5 | | | | 21 | | 24 | 33-34 | | - | - | | | | | |
| 33 | 134 | 141 | 149 | 1,5 | | 47 | | | | | 56-57 | | - | - | | | | | |
| 34 | 135 | 145 | 151 | 1,5 | | 48 | 36 | | | | 58 | | - | - | | | | | |
| 34/1 | 142 | 154 | 158 | 1,5 | | 49 | 37 | | | | 60-61 | | - | - | | | | | |
| 35 | 136 | 153 | 166 | 2,5 | | | | 22-23 | | 25 | 35-36 | | - | - | | | | | |
| 36 | 143 | 152 | 158 | 1,5 | | 50-51 | 38 | | | | | | - | - | | | | | |
| 36/1 | 146 | 158 | 166 | 1,5 | | 52 | 39 | | | | 62 | | - | - | | | | | |
| 37 | 149 | 167 | 177 | 2,5 | | | | 24 | | | 37-38 | | - | - | | | | | |
| 38 | 151 | 160 | 168 | 1,5 | | 53-54 | 40 | | | | 64-65 | | - | - | | | | | |
| 39 | 156 | 176 | 186 | 2,5 | | | | 25 | 18 | | 39-40 | | - | - | | | | | |
| 40 | 158 | 167 | 175 | 1,5 | | 55-56 | 41-42 | | | | 66-67 | | - | - | | | | | |
| 40/1 | 161 | 176 | 182 | 1,5 | | | | | | | 68-70 | | - | - | | | | | |
| 41 | 165 | 181 | 191 | 2,5 | | | | 26 | | | 41-42 | | - | - | | | | | |
| 42 | 166 | 176 | 182 | 1,5 | | 57-58 | 43 | | | | | | - | - | | | | | |
| 42/1 | 170 | 184 | 191 | 1,5 | | | 44 | | | | 71-72 | | - | - | | | | | |
| 43 | 166 | 188 | 200 | 2,5 | | | | 27 | 19 | 30 | 43 | | - | - | | | | | |
| 44 | 172 | 177 | 189 | 1,5 | | 59-60 | 45-46 | | | | | | - | - | | | | | |
| 45 | 177 | 197 | 209 | 2,5 | | | | | 20 | 32 | 44-45 | | - | - | | | | | |
| 46 | 182 | 193 | 199 | 1,5 | | | 47-48 | 28 | | | | | - | - | | | | | |
| 47 | 180 | 195 | 202 | 1,5 | | | 49-50 | | | | | | - | - | | | | | |
| 48 | 194 | 210 | 216 | 2,5 | | | 51-52-53 | 30 | 21 | | 48 | | - | - | | | | | |
| 49 | 208 | 224 | 232 | 2,5 | | | 54-55-56 | 32 | 22 | | 50 | | - | - | | | | | |
| 49/1 | 210 | - | 240 | 2,5 | | | | | | | 51-52 | | - | - | | | | | |
| 50 | 222 | 238 | 266 | 2,5 | | | 57-58-59 | 34 | 24 | | 54-55 | | - | - | | | | | |
| 51 | 232 | 252 | 261 | 2,5 | | | 60-61 | 36 | 25 | | 56-57 | | - | - | | | | | |
| 51/1 | 238 | 261 | 272 | 2,5 | | | 62-63 | | 26 | | 58-59 | | - | - | | | | | |
| 52 | 250 | 266 | 274 | 2,5 | | | 64-65-66 | 38 | | | 60 | | - | - | | | | | |
| 52/1 | 260 | 277 | 288 | 2,5 | | | 67-68 | 40 | 28 | | 62 | | - | - | | | | | |
| 53 | 264 | 280 | 288 | 2,5 | | 90 | 69-70 | | | | 63-64 | | - | - | | | | | |
| 54 | 284 | - | 325 | 1,5 | | | | | | | | | - | - | | | | | |
| 55 | 285 | - | 333 | 3 | | | | | | | 72 | | - | - | | | | | |
| 56 | 322 | - | 369 | 3 | | | | | | | 80 | | - | - | | | | | |

Clamp plates



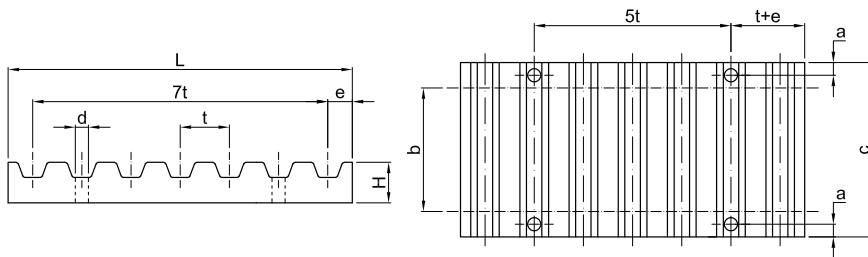
SIT Clamp plates

Clamp plates may be used as positive attachment of the belt ends in numerous applications in linear drives. Clamp plates must have the correct belt profile, guarantee a uniform clamping force on all the clamped belt surface and must be rigid. For standard applications a minimum of 7 teeth in clamp is recommended.

For use with timing belts with special cords (e.g. HPL), a minimum of 12 teeth in clamp is recommended, so a special execution is required.

Clamp plates can be supplied both in finished version and in raw version too.

Standard material: aluminum.



Part Number PIA -T5 /10

Clamp plate _____

Pitch _____

Belt width (in mm or inches x 10) _____

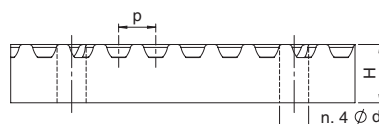
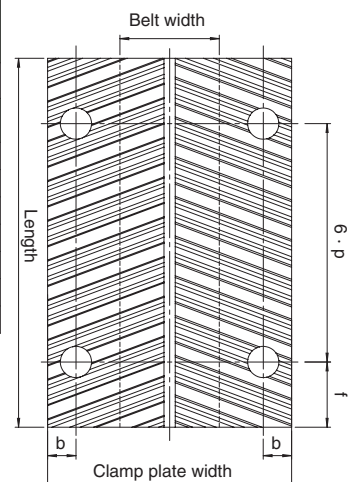
| Type | a [mm] | d [mm] | e [mm] | L [mm] | H [mm] | Belt width [mm] | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|-----------------|----|----|----|----|----|-----|-----|-------|--|
| | | | | | | 6 | 10 | 16 | 25 | 32 | 50 | 75 | 100 | 150 | |
| | | | | | | C | | | | | | | | | |
| T5 | 6 | 5,5 | 3,2 | 41,8 | 8 | - | 29 | 35 | 44 | - | - | - | - | - | |
| AT5 | 6 | 5,5 | 3,2 | 41,8 | 8 | - | 29 | 35 | 44 | - | - | - | - | - | |
| T10 | 8 | 9 | 5 | 80 | 15 | - | - | 41 | 50 | 57 | 75 | 100 | 125 | 175** | |
| AT10 | 8 | 9 | 5 | 80 | 15 | - | - | 41 | 50 | 57 | 75 | 100 | 125 | 175** | |
| T20* | 10 | 11 | 10 | 160 | 20 | - | - | - | 56 | 63 | 81 | 106 | 132 | 182 | |
| AT20* | 10 | 11 | 10 | 160 | 20 | - | - | - | 56 | 63 | 81 | 106 | 132 | 182 | |

| Type | a [mm] | d [mm] | e [mm] | L [mm] | H [mm] | Belt width [inch/100] | | | | | | | |
|------|--------|--------|--------|--------|--------|-----------------------|-----|------|-----|-----|------|-----|-----|
| | | | | | | 025 | 032 | 037 | 050 | 075 | 100 | 150 | 200 |
| | | | | | | C [mm] | | | | | | | |
| XL | 6 | 5,5 | 3,5 | 42,5 | 8 | 25,5 | 27 | 28,5 | - | - | - | - | - |
| L | 8 | 9 | 6 | 76,6 | 15 | - | - | 36 | 39 | 45 | 51,5 | 64 | 77 |
| H | 10 | 11 | 9 | 106,9 | 22 | - | - | - | 45 | 51 | 57,5 | 70 | 83 |

| Type | a [mm] | d [mm] | e [mm] | L [mm] | H [mm] | Belt width [mm] | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|-----------------|----|----|----|----|----|----|----|----|-----|-----|-------|
| | | | | | | 6 | 9 | 15 | 20 | 25 | 30 | 40 | 50 | 55 | 85 | 115 | 170 |
| | | | | | | C [mm] | | | | | | | | | | | |
| 3M | 5 | 4,5 | 2 | 25 | 5 | 21 | 24 | 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 | - | - | - | - | 56 | - | 71 | - | 86 | 116 | 146 | 201** |

* = Pitch on request
** = width on request

| EAGLE Belts | Clamp plates | | | | | Belt width [mm] | | | | | | | | | | | | |
|-------------|--------------|-----|-----|-----|-------------|-----------------|------------------------|----|----|----|----|-----|-----|-----|------|------|----|-----|
| | Pitch | b | d | f | Length [mm] | H | 12,5 | 25 | 16 | 25 | 32 | 50 | 75 | 100 | 35 | 52,5 | 70 | 105 |
| | | | | | | | Clamp plate width [mm] | | | | | | | | | | | |
| EAGLE 5 | 6 | 5,5 | 8,5 | 47 | 7,5 | 30 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 7 | | | | | 45 | - | - | - | - | - | - | - | - | - | - | - | - |
| EAGLE 8 | 7,5 | 9 | 13 | 74 | 14,5 | - | - | 40 | - | - | - | - | - | - | - | - | - | - |
| | 8 | | | | | - | - | 50 | 57 | 75 | - | - | - | - | - | - | - | - |
| EAGLE 10 | 8 | 9 | 17 | 94 | 14,5 | - | - | - | 50 | 57 | 75 | 100 | 125 | - | - | - | - | - |
| EAGLE 14 | 9,5 | 11 | 23 | 130 | 22 | - | - | - | - | - | - | - | - | 65 | 82,5 | 100 | - | - |
| | 10 | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - |



SIT Raw clamp plates

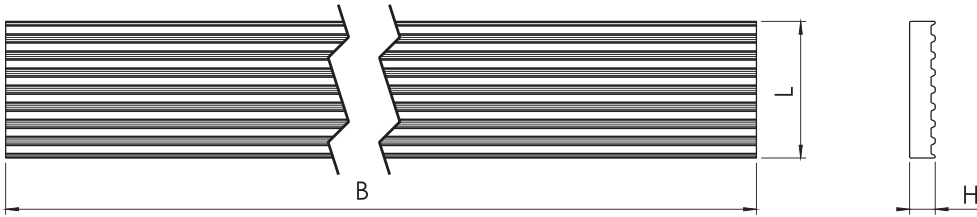
Part Number PIA -T5 -S

Clamp plate _____

Pitch _____

Raw execution _____

(Note: fore Eagle type specify the belt width)



| Type | B [mm] | H [mm] | L [mm] |
|------|--------|--------|--------|
| T5 | 750 | 8 | 41,8 |
| AT5 | 750 | 8 | 41,8 |
| T10 | 750 | 15 | 80,0 |
| AT10 | 750 | 15 | 80,0 |

| Type | B [mm] | H [mm] | L [mm] |
|------|--------|--------|--------|
| XL | 750 | 8 | 42,5 |
| L | 750 | 15 | 76,6 |
| H | 750 | 22 | 106,9 |

| Type | B [mm] | H [mm] | L [mm] |
|------|--------|--------|--------|
| 3M | 750 | 5 | 25,0 |
| 5M | 750 | 8 | 41,8 |
| 8M | 750 | 15 | 66,0 |
| 14M | 750 | 22 | 116,0 |

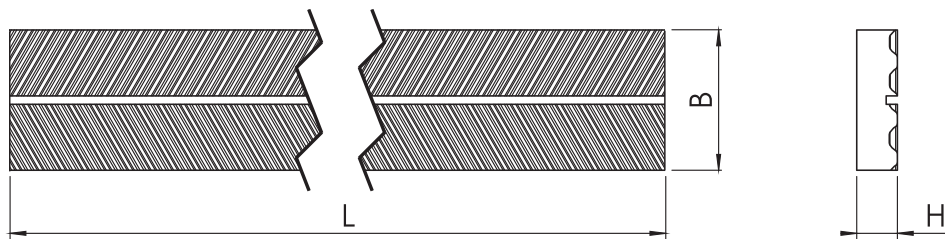
Part Number PIA -E8 -WS

Clamp plate _____

Pitch _____

Raw execution _____

(Note: fore Eagle type specify the belt width)



| EAGLE Belts | | | Raw clamp plates | | | | | | | | | | | | | | |
|-------------|--------|--------|------------------|------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|--------------|------------|------------|------------|------------|
| Pitch | L [mm] | H [mm] | Code | | | | | | | | | | | | | | |
| | | | PIA-E8-12,5S | PIA-E8-25S | PIA-E8-YS | PIA-E8-MS | PIA-E8-WS | PIA-E8-LS | PIA-E10-25S | PIA-E10-32S | PIA-E10-50S | PIA-E10-75S | PIA-E10-100S | PIA-E14-BS | PIA-E14-GS | PIA-E14-OS | PIA-E14-RS |
| | | | B [mm] | | | | | | | | | | | | | | |
| EAGLE 5 | 710 | 7,5 | 30 | 45 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| EAGLE 8 | 730 | 14,5 | - | - | 40 | 50 | 57 | 75 | - | - | - | - | - | - | - | - | - |
| EAGLE 10 | 710 | 14,5 | - | - | - | - | - | - | 50 | 57 | 75 | 100 | 125 | - | - | - | - |
| EAGLE 14 | 710 | 22 | - | - | - | - | - | - | - | - | - | - | - | 65 | 82,5 | 100 | 136 |