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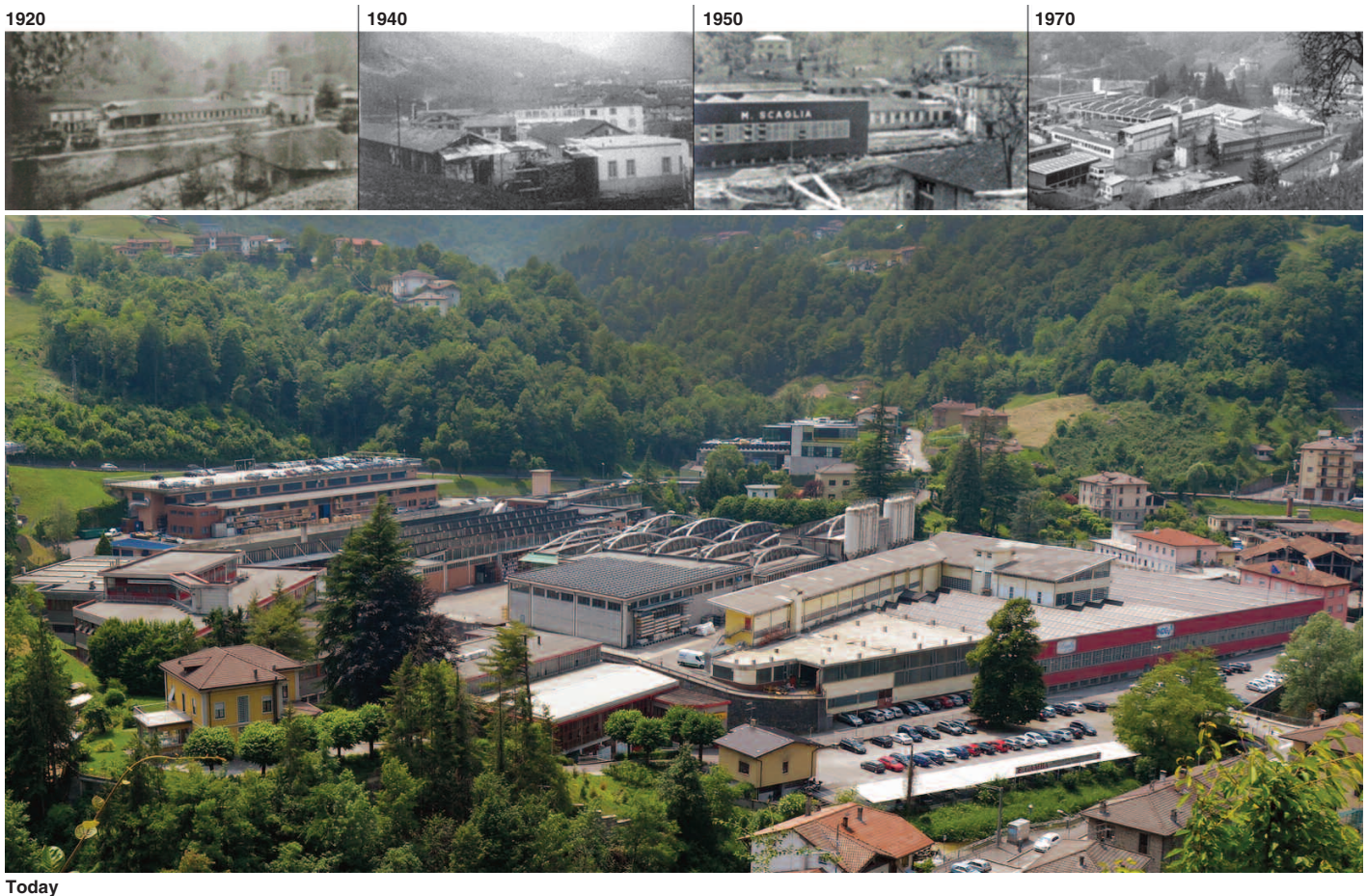
## SIT Power Transmission, a history of passion and technology

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.

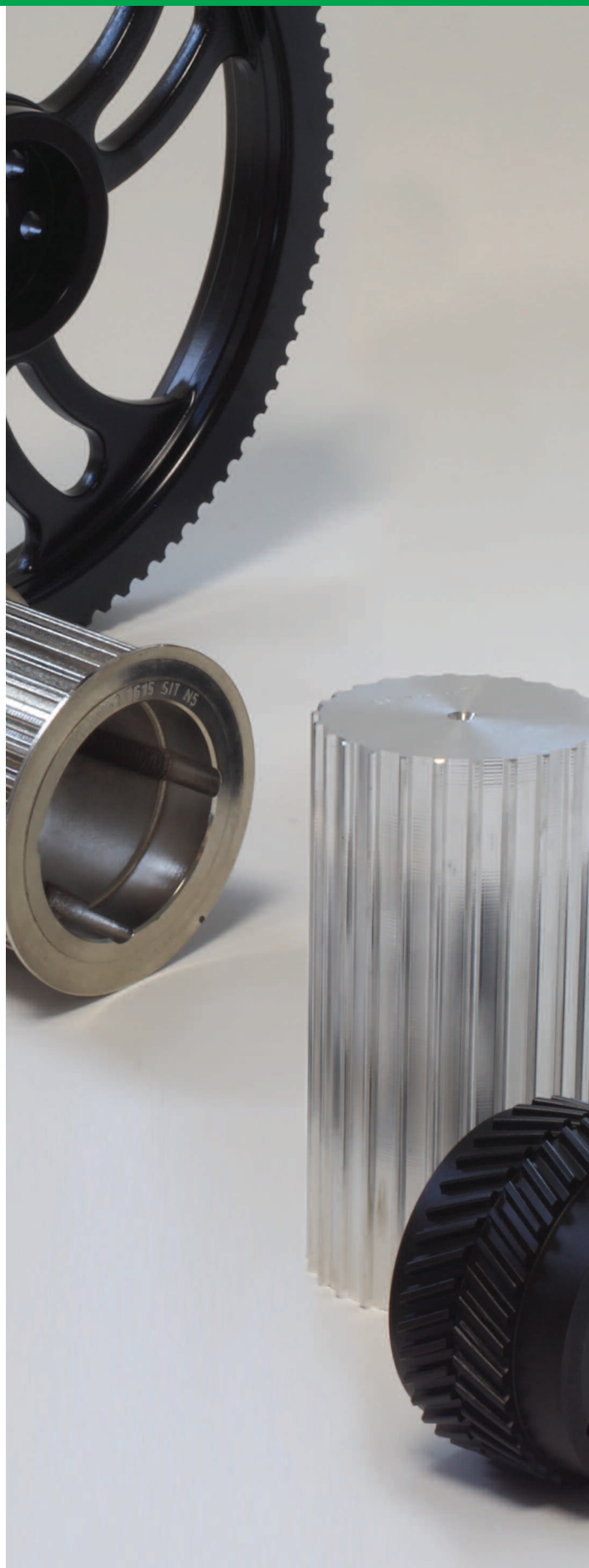
With its worldwide distribution network, SIT is able to offer customers technical drive design assistance and consultation, a full stock range and quick yet precise service.

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.





# 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
- XH
- 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<br>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

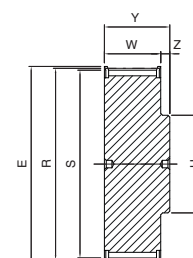


|                                           |                     |
|-------------------------------------------|---------------------|
| <b>Part Number</b>                        | <b>PD 40 XL 037</b> |
| IMPERIAL PITCH timing pulleys - solid hub |                     |
| Number of teeth           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

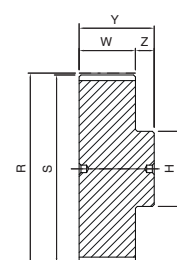
### PD ... XL 037

**XL**

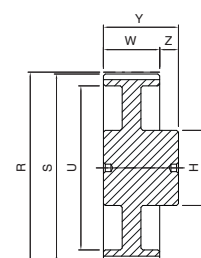
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|----------|
| 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      | without flanges |          |
| 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      |                 |          |



1



1A



3A

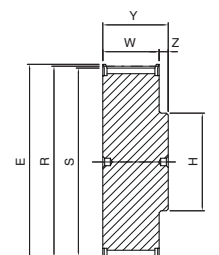
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



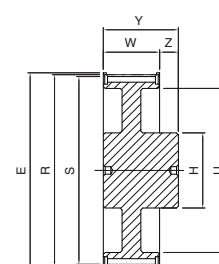
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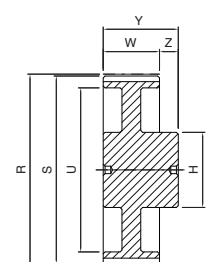
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges | cast iron |
| 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      |                 |           |



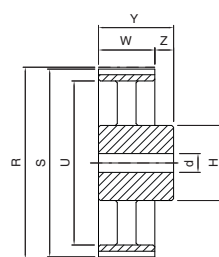
1



3\*



3A\*



5B

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

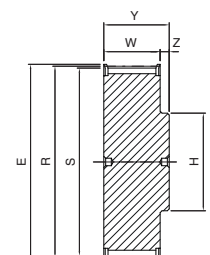
## Dimensions of timing pulleys IMPERIAL PITCH - solid hub



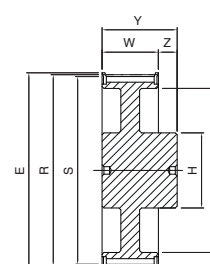
### PD ... L 075

L

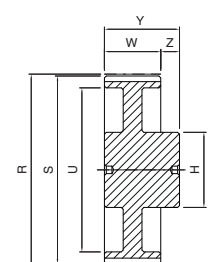
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges | cast iron |
| 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      |                 |           |



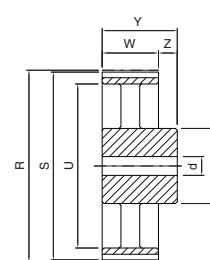
1



3\*



3A\*



5B

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

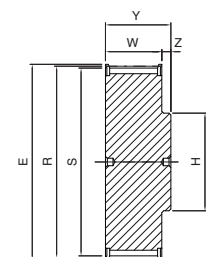
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



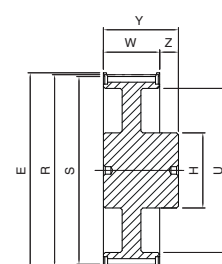
## PD ... L 100

L

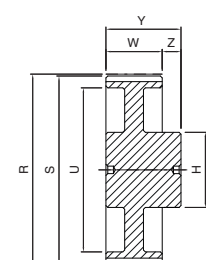
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges | cast iron |
| 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      |                 |           |



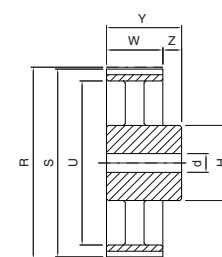
1



3\*



3A\*



5B

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

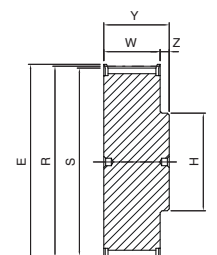
## Dimensions of timing pulleys IMPERIAL PITCH - solid hub



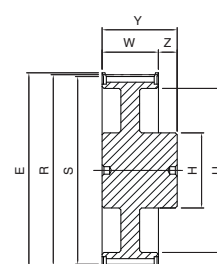
### PD ... H 075

H

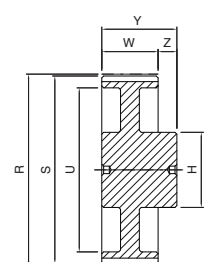
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges | cast iron |
| 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      |                 |           |



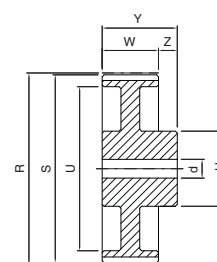
1



3\*



3A\*



5A

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

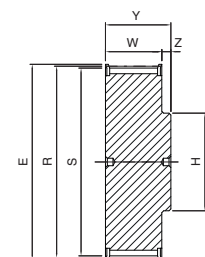
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



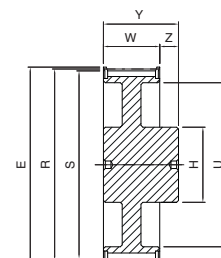
## PD ... H 100

H

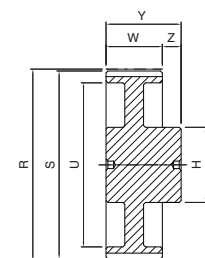
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange       | Material |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|----------|
| 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      |              |          |



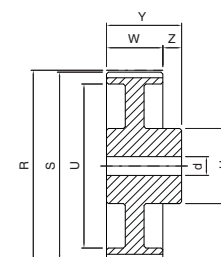
1



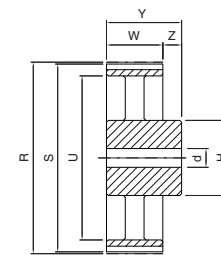
3\*



3A\*



5A



5B

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

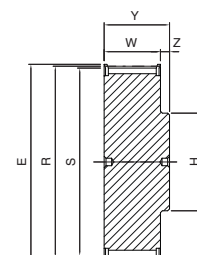
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



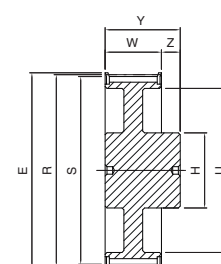
## PD ... H 150

H

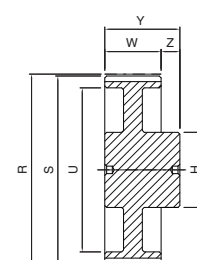
| Code      | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange       | Material        |
|-----------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------------|
| PD14H150  | 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   |              | without flanges |
| 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   |              |                 |



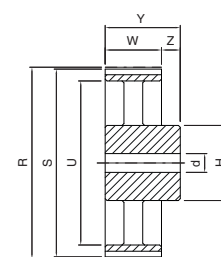
1



3\*



3A\*



5B

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

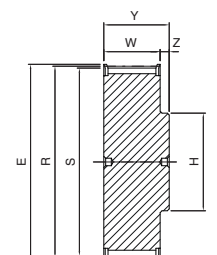
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



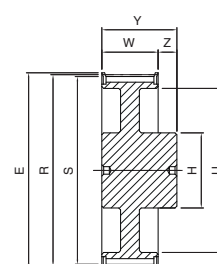
## PD ... H 200

H

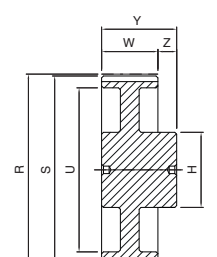
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange       | Material        |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------------|
| 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      |              | without flanges |
| 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      |              |                 |



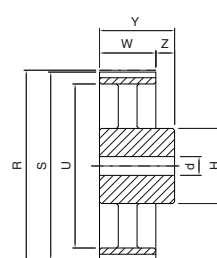
1



3\*



3A\*



5B

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

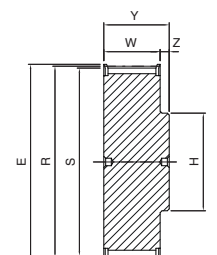
## Dimensions of timing pulleys IMPERIAL PITCH - solid hub



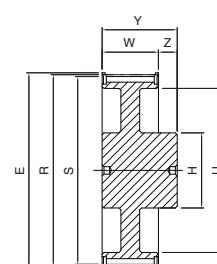
### PD ... H 300

H

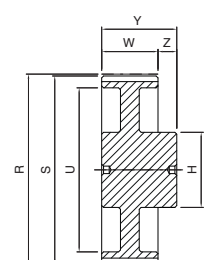
| Code      | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|-----------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges | cast iron |
| 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      |                 |           |



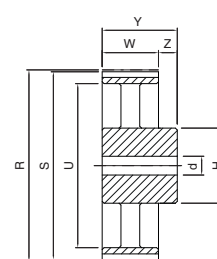
1



3\*



3A\*



5B

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

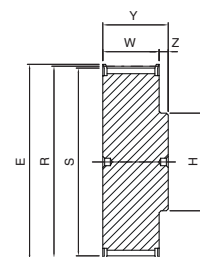
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



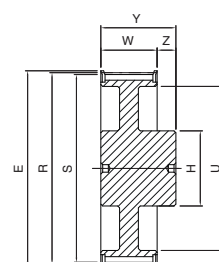
PD ... XH 200

XH

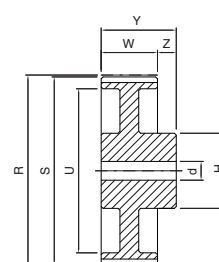
| Code       | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange       | Material  |
|------------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|
| 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      |              |           |



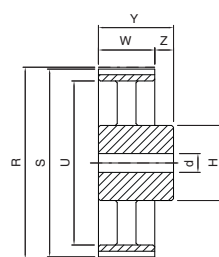
1



3



5A



5B

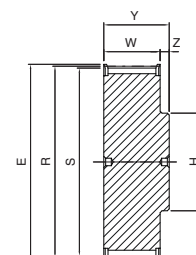
## Dimensions of timing pulleys IMPERIAL PITCH - solid hub



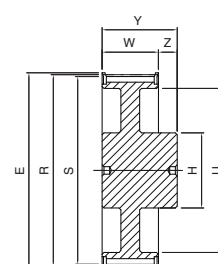
PD ... XH 300

XH

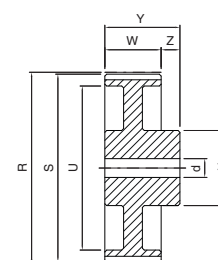
| Code       | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange       | Material  |
|------------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|
| 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      |              |           |



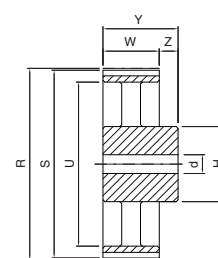
1



3



5A



5B

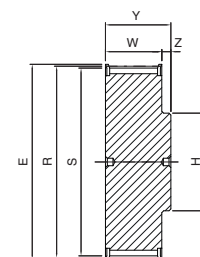
# Dimensions of timing pulleys IMPERIAL PITCH - solid hub



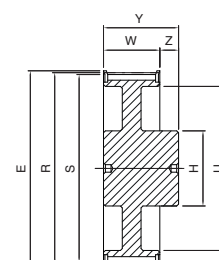
PD ... XH400

XH

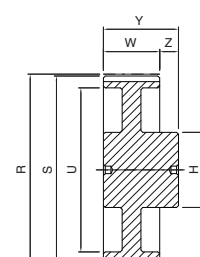
| Code       | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|------------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges |           |
| 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      |                 |           |



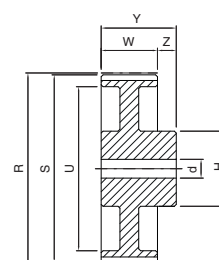
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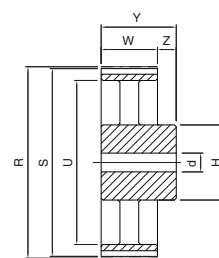
3



3A



5A



5B

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

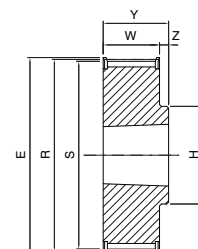
## Pitches L - H - XH



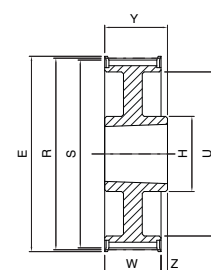
|                                                       |              |
|-------------------------------------------------------|--------------|
| Part Number                                           | PBD 40 L 050 |
| IMPERIAL PITCH timing pulley - mounting taper bushing |              |
| Number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

### PBD ... L050

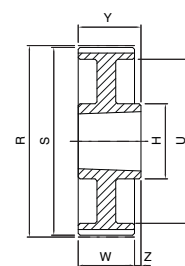
| Code       | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges | cast iron |
| 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    |                 |           |



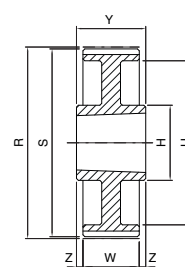
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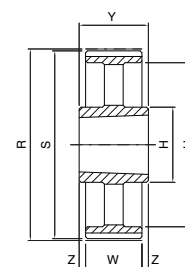
9



9A



11A



11B

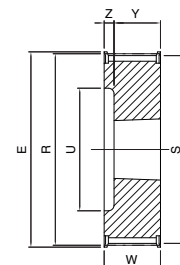
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



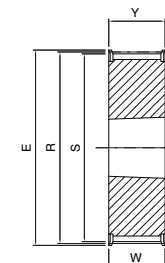
## PBD ... L075

L

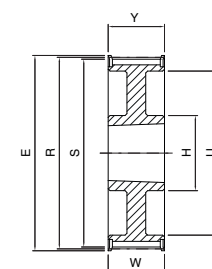
| Code       | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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   | -      | without flanges | cast iron |
| 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    |                 |           |



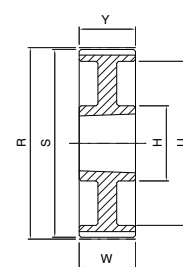
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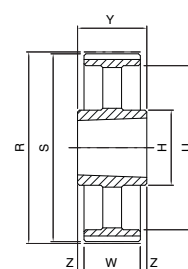
6



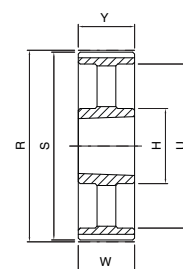
7



7A



11B



7B

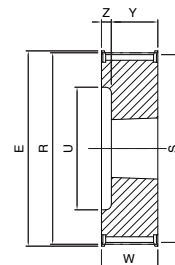
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



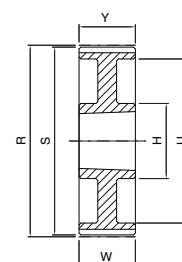
## PBD ... L100

L

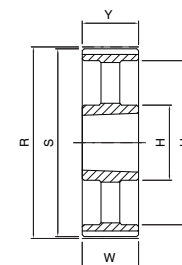
| Code       | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges | cast iron |
| 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    |                 |           |
| 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   | -      |                 |           |



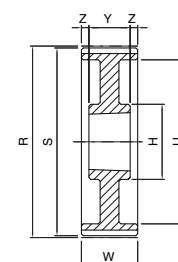
4



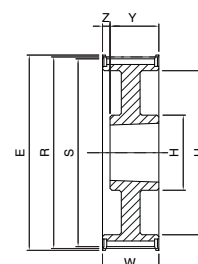
7A



7B



8A



10

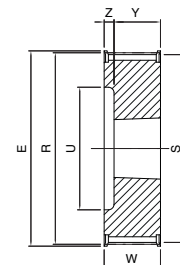
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



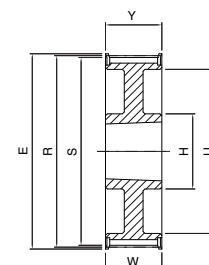
## PBD ... H100

H

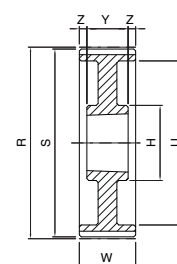
| Code       | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    |                 |           |



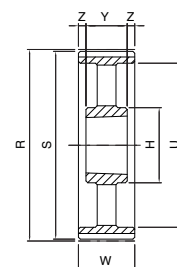
4



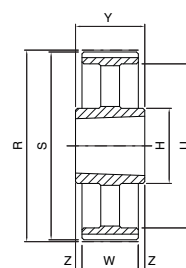
7



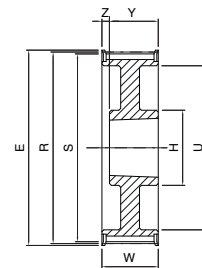
8A



8B



11B



10

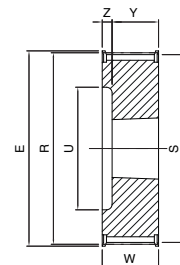
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



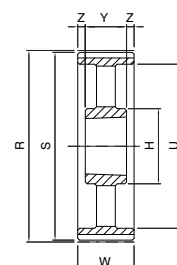
## PBD ... H150

H

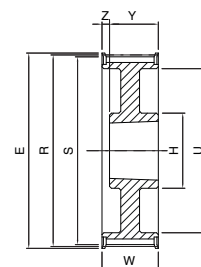
| Code       | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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   | without flanges | cast iron |
| 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

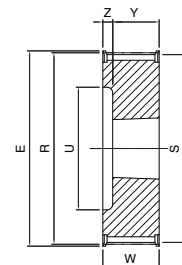
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



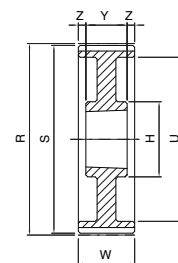
## PBD ... H200

H

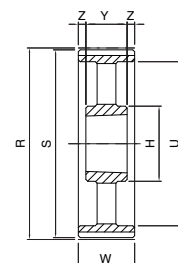
| Code       | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|------------|--------------|------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges | cast iron |
| 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       |                 |           |
| 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       |                 |           |



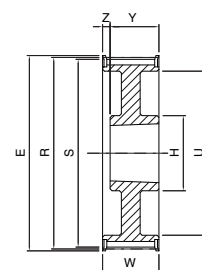
4



8A



8B



10

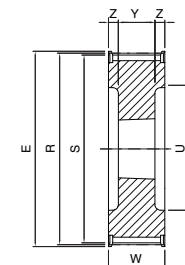
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



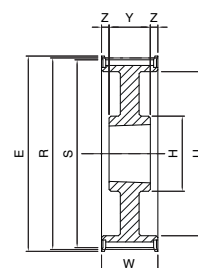
## PBD ... H300

H

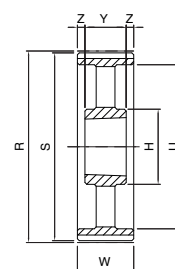
| Code       | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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   | without flanges | cast iron |
| 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    |                 |           |



5



8



8B

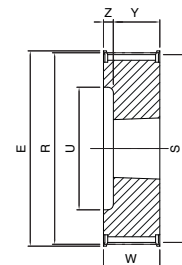
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



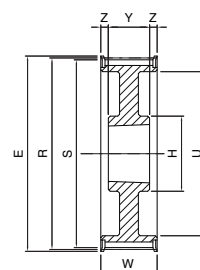
## PBD ... XH200

## XH

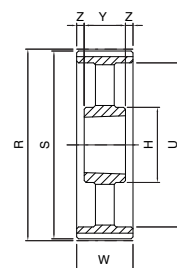
| Code       | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|------------|--------------|------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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       | without flanges |           |
| 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      |                 |           |



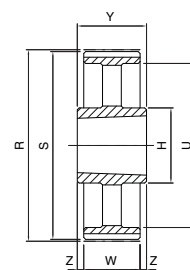
4



8



8B



11B

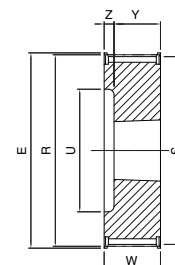
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



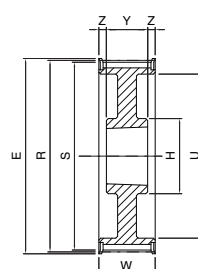
PBD ... XH300

XH

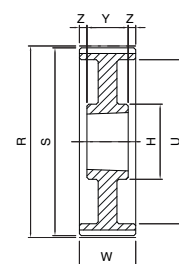
| Code       | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|------------|--------------|------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges |           |
| 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       |                 |           |



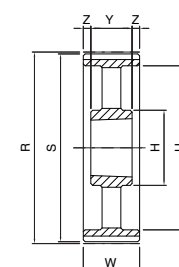
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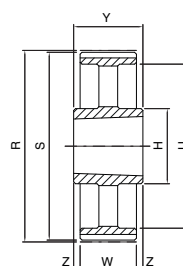
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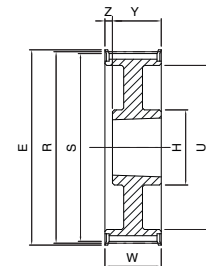
8A



8B



11B



10

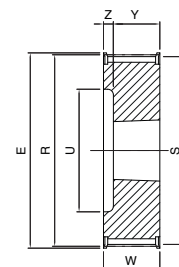
# Dimensions of timing pulleys IMPERIAL PITCH - mounting taper bushing SER-SIT®



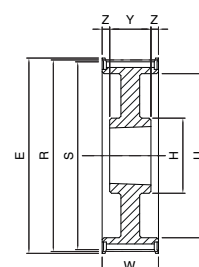
## PBD ... XH400

## XH

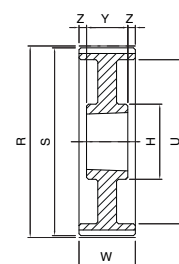
| Code       | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|------------|--------------|------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges |           |
| PBD40XH400 | 40           | 8    | 3535                         | 288,0     | 282,98    | 280,19    | 242,0     | 178,0     | 119,0     | 89,0      | 15,0      |                 |           |
| 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       |                 |           |



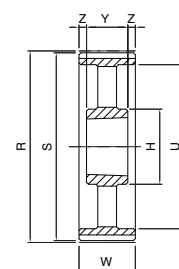
4



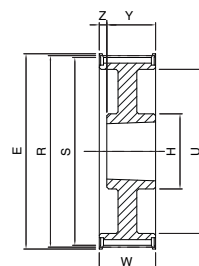
8



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:

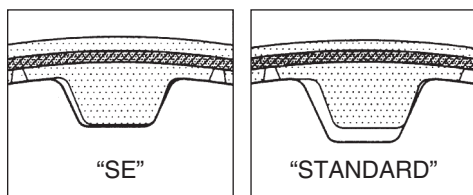
- T20
- AT 20



### 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.

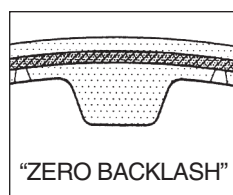


Z < 20

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<br>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

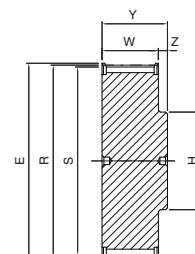
## Pitches T 2,5 - T 5 - T 10 - T 20



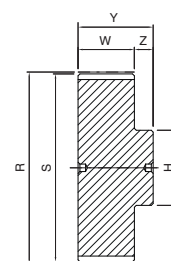
|                                |                  |
|--------------------------------|------------------|
| Part Number                    | PDMT 27 T2,5 /24 |
| METRIC PITCH timing pulley “T” |                  |
| Total width (mm)               |                  |
| Pitch                       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

### T 2,5

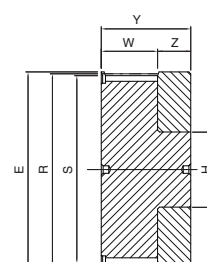
| Code            | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|----------|
| PDMT 16 T2,5/12 | 12        | 2    | 13,0   | 9,55   | 9,05   | 13,0   | 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    |          |



1



1A



2

### T 5

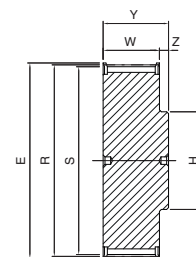
| Code              | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | H<br>[mm] | Belt width |           |           |           |           |           | Z<br>[mm] | Material |
|-------------------|--------------|------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
|                   |              |      |           |           |           |           | 10 mm      |           | 16 mm     |           | 25 mm     |           |           |          |
|                   |              |      |           |           |           |           | W<br>[mm]  | Y<br>[mm] | W<br>[mm] | Y<br>[mm] | W<br>[mm] | Y<br>[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

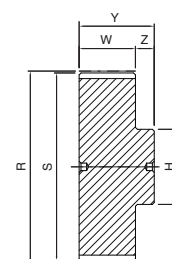


### T 10

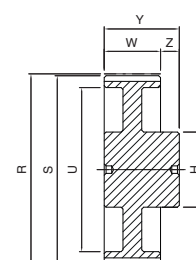
| Code               | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | Belt width |           |           |           |           |           |           |           | Z<br>[mm] | Material |
|--------------------|--------------|------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
|                    |              |      |           |           |           |           |           | 16 mm      |           | 25 mm     |           | 32 mm     |           | 50 mm     |           |           |          |
|                    |              |      |           |           |           |           |           | W<br>[mm]  | Y<br>[mm] | W<br>[mm] | Y<br>[mm] | W<br>[mm] | Y<br>[mm] | W<br>[mm] | Y<br>[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



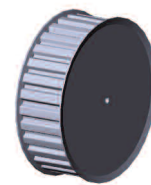
3A

### T 20

| Code               | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>Ø | Belt width |           |           |           |           |           |           |           |           | Material   |
|--------------------|--------------|------|-----------|-----------|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
|                    |              |      |           |           |           |           |           |        | 32 mm      |           |           | 50 mm     |           |           | 100 mm    |           |           |            |
|                    |              |      |           |           |           |           |           |        | W<br>[mm]  | Y<br>[mm] | Z<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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

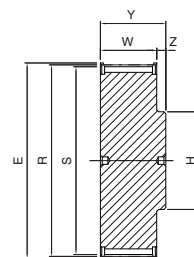


TIMING PULLEYS - PMAT

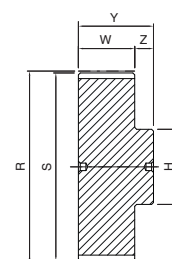
|                                 |                 |
|---------------------------------|-----------------|
| Part Number                     | PMAT 36 AT5 /20 |
| METRIC PITCH timing pulley “AT” |                 |
| Total width (mm)                |                 |
| Pitch                       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

### AT 5

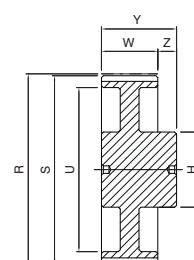
| Code               | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | H<br>[mm] | Belt width |           |           |           |           |           | Z<br>[mm] | Material |
|--------------------|--------------|------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
|                    |              |      |           |           |           |           | 10 mm      |           | 16 mm     |           | 25 mm     |           |           |          |
|                    |              |      |           |           |           |           | W<br>[mm]  | Y<br>[mm] | W<br>[mm] | Y<br>[mm] | W<br>[mm] | Y<br>[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       |          |



1



1A

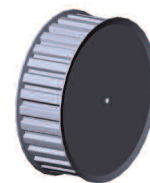


3A

### AT 10

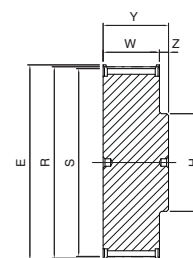
| Code                | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | Belt width |           |           |           |           |           |           |           | Z<br>[mm] | Material |
|---------------------|--------------|------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
|                     |              |      |           |           |           |           |           | 16 mm      |           | 25 mm     |           | 32 mm     |           | 50 mm     |           |           |          |
|                     |              |      |           |           |           |           |           | W<br>[mm]  | Y<br>[mm] | W<br>[mm] | Y<br>[mm] | W<br>[mm] | Y<br>[mm] | W<br>[mm] | Y<br>[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

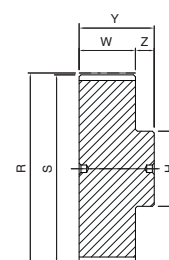


### AT 20

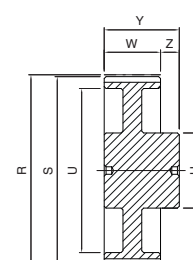
| Code                | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>Ø | Belt width |           |           |           |           |           |           |           |           | Material   |
|---------------------|--------------|------|-----------|-----------|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
|                     |              |      |           |           |           |           |           |        | 32 mm      |           |           | 50 mm     |           |           | 100 mm    |           |           |            |
|                     |              |      |           |           |           |           |           |        | W<br>[mm]  | Y<br>[mm] | Z<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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<br>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

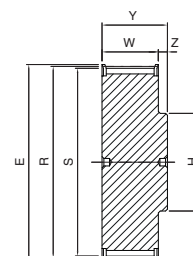


|                                |              |
|--------------------------------|--------------|
| Part Number                    | HD 48 -8M 20 |
| HTD timing pulleys - solid hub |              |
| Number of teeth                |              |
| Pitch                          |              |
|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

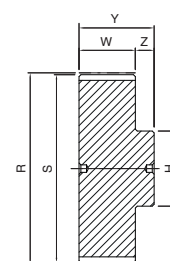
## HD ... -3M09

3M

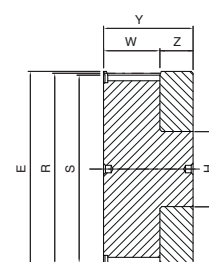
| Code          | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange             | Material |
|---------------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------|----------|
| 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       |                    |          |
|               |              |      |           |           |           |           |           |           |           | without<br>flanges |          |



1



1A



2

## HD ... -3M15

3M

| Code          | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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      |                    |          |
|               |              |      |           |           |           |           |           |           |           | without<br>flanges |          |

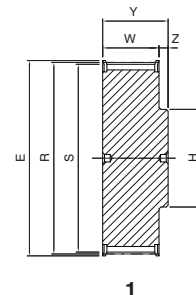
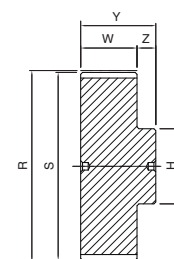
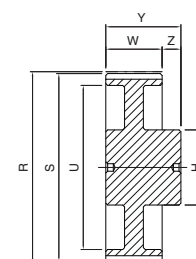
# Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



## 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    | without flanges | aluminum |
| 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    | without flanges | aluminum |
| 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    |                 |          |

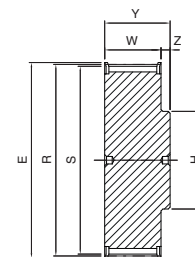
# Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



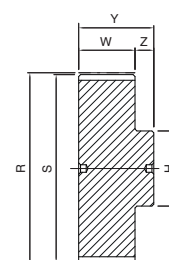
## HD ... -5M25

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    | without flanges | aluminum |
| 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   |                 |          |



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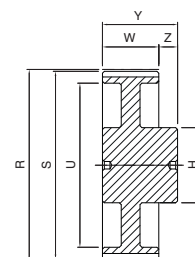


1A

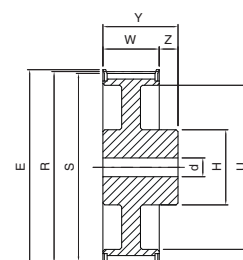
## HD ... -8M20

8M

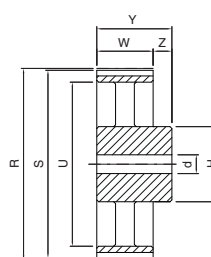
| Code           | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HD 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     | without flanges | cast iron |
| 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     |                 |           |



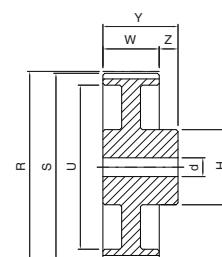
3A



5



5B



5A

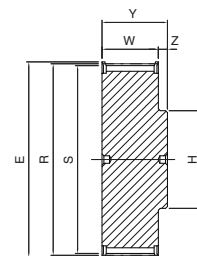
# Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

## HD ... -8M30

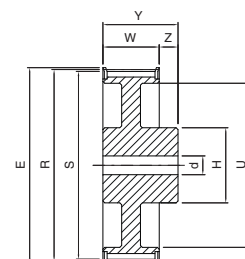
8M



| 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  | -      | 75,0   | -      | 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     | without flanges | cast iron |
| 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     |                 |           |



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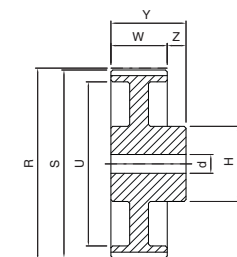


5

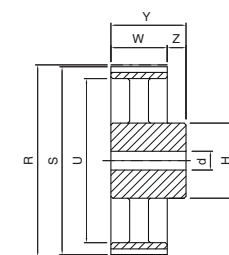
## HD ... -8M50

8M

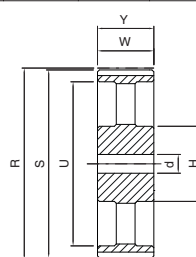
| Code           | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HD 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     | -      | without flanges | cast iron |
| 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     | -      |                 |           |



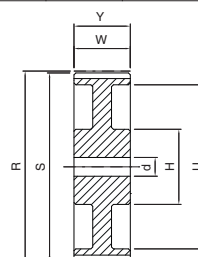
5A



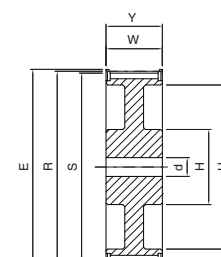
5B



7B



7A



7

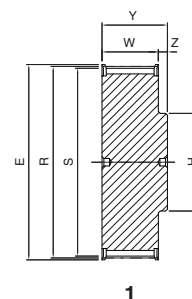
# Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



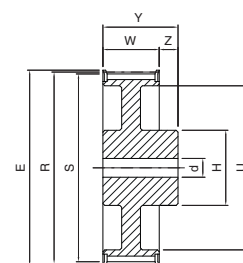
## HD ... -8M85

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     | -      | without flanges | cast iron |
| 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     | -      |                 |           |



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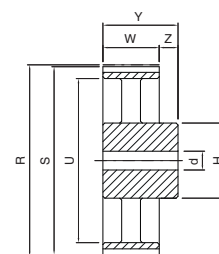


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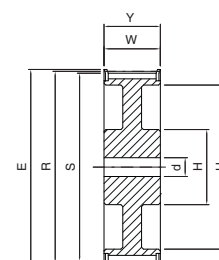
## HD ... -14M40

14M

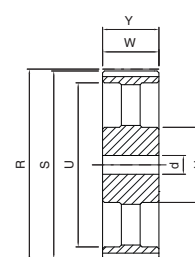
| Code            | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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     | without flanges | cast iron |
| 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     |                 |           |



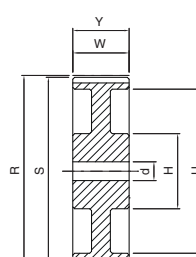
5B



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7B



7A

# Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

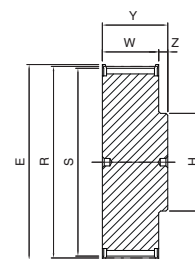


TIMING PULLEYS - HD

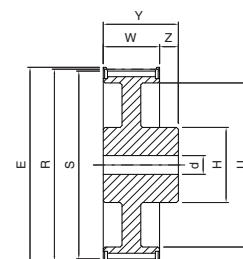
## HD ... -14M55

14M

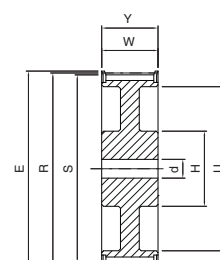
| Code            | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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     | -      | without flanges | cast iron |
| 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     | -      |                 |           |



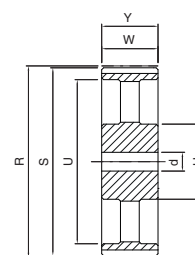
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7B

## 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    | -      | without flanges | cast iron |
| 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    | -      |                 |           |

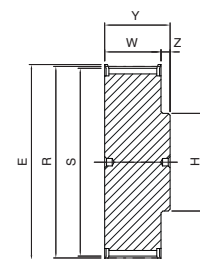
# Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



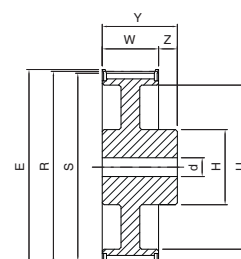
## HD ... -14M115

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     | without flanges | castic iron |
| 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    | -      |                 |             |



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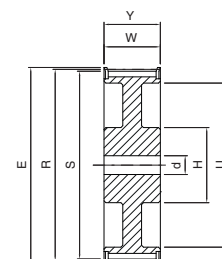


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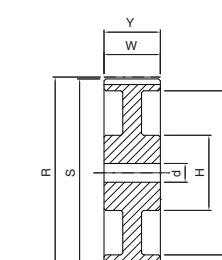
## HD ... -14M170

14M

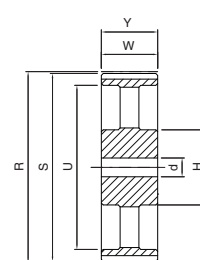
| Code             | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material    |
|------------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-------------|
| 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     | without flanges | castic iron |
| 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

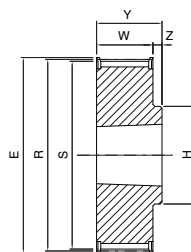


7B

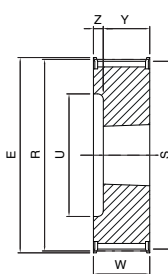
# Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT® itches 5M - 8M - 14M



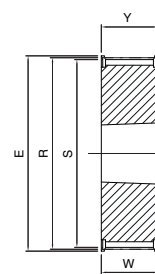
|                                     |                |
|-------------------------------------|----------------|
| Part Number                         | HDB 32 - 8M 20 |
| HTD pulley - mounting taper bushing |                |
| Number of teeth                     |                |
| Pitch                               |                |
| Belt width in mm                    |                |



2



4

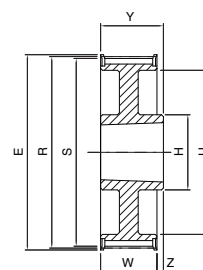


6

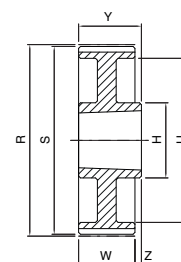
## HDB ... -5M15

## 5M

| 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    | without flanges | cast iron |
| 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    |                 |           |
| 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    |                 |           |



9

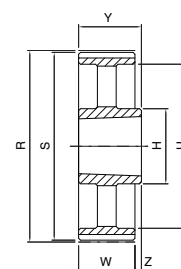


9A

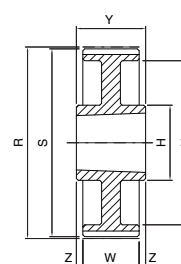
## HDB ... -8M20

## 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 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      |                 |           |



9B



11A

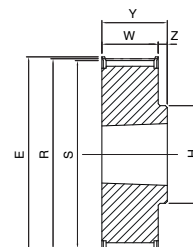
# Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



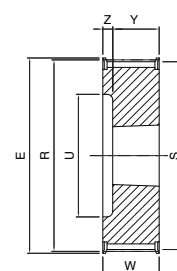
## HDB ... -8M30

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      | without flanges | cast iron |
| 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

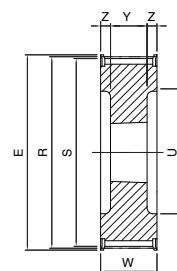


4

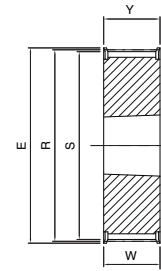
## HDB ... -8M50

8M

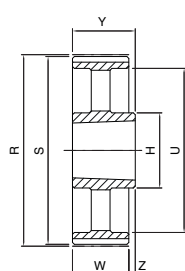
| Code            | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges | cast iron |
| 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    |                 |           |



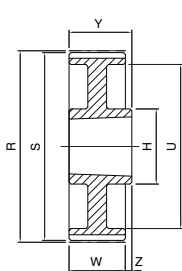
5



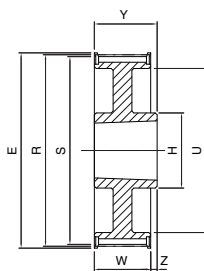
6



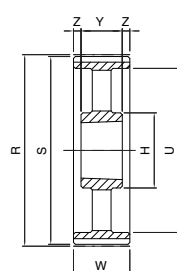
9B



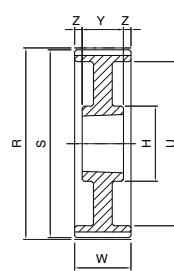
9A



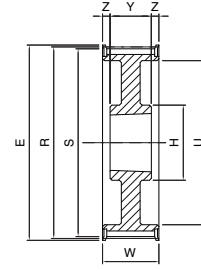
9



8B



8A



8

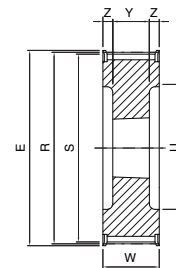
# Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



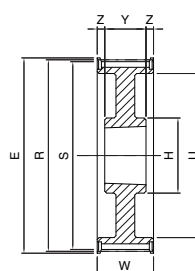
## HDB ... -8M85

8M

| Code            | Teeth nr. | Type | SER-SIT®<br>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   | without flanges | cast iron |
| 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

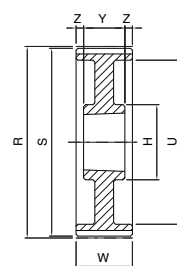


8

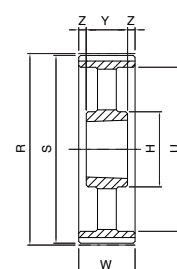
## HDB ... -14M40

14M

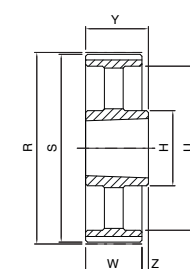
| Code             | Teeth nr. | Type | SER-SIT®<br>Taper bushing | E [mm] | R [mm]  | S [mm]  | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------------|-----------|------|---------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges | cast iron |
| 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    | without flanges | cast iron |
| 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

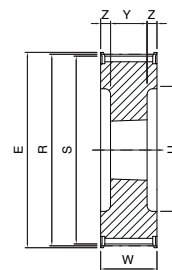
# Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



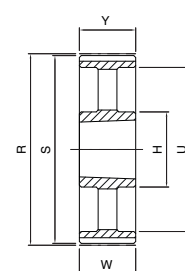
## HDB ... -14M55

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    | without flanges | cast iron |
| 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   |                 |           |



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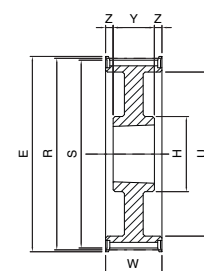


7B

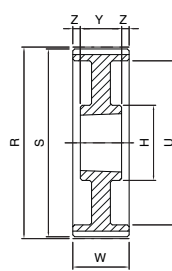
## HDB ... -14M85

14M

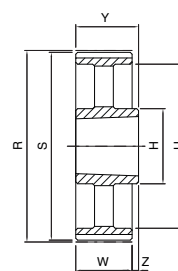
| Code             | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm]  | S [mm]  | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges | cast iron |
| 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    | -      |                 |           |



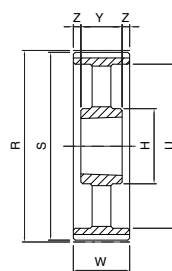
8



8A



9B



8B

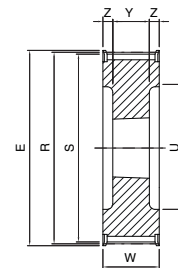
# Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



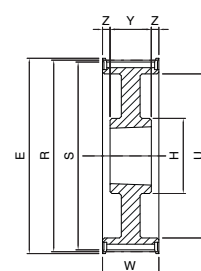
## HDB ... -14M115

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   | without flanges | cast iron |
| 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    |                 |           |



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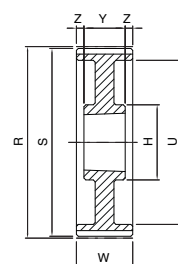


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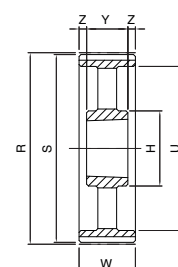
## HDB ... -14M170

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   | without flanges | cast iron |
| 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   |                 |           |



8A



8B

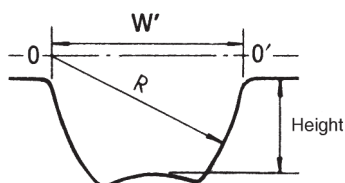
## SIT timing pulleys - TOP DRIVE® STD - SUPERTORQUE STPD

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<br>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

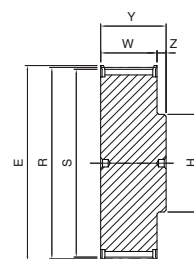
Due to a constant improvement of our products, technical data of the pulleys may be subject to changes.  
For technical and production reasons, in some cases materials other than those indicated in the catalogue may be used.  
For confirmation of the material actually available, please contact customer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

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



TIMING PULLEYS - ST

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

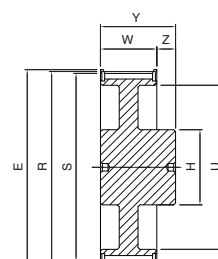


1

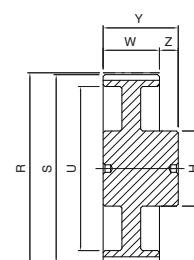
## ST ... S8M20

8M

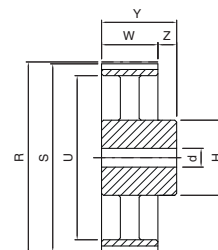
| Code       | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|------------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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

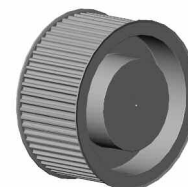


3A



5B

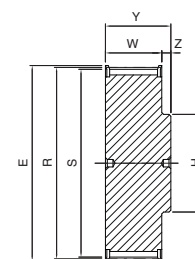
# Dimensions of timing pulleys TOP DRIVE® STD - solid hub



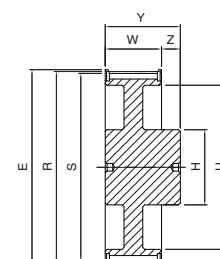
## ST ... S8M30

8M

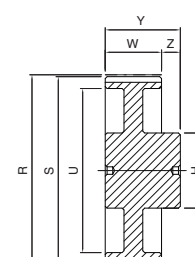
| Code       | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| ST18S8M30  | 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   | without flanges | cast iron |
| 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   |                 |           |



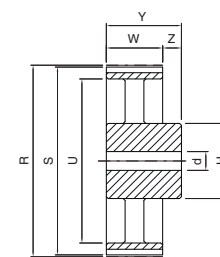
1



3



3A



5B

## ST ... S8M50

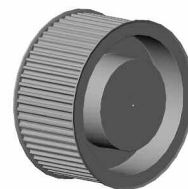
8M

| 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   | without flanges | cast iron |
| 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   | -      |                 |           |

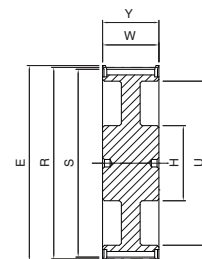
# Dimensions of timing pulleys TOP DRIVE® STD - solid hub

## ST ... S8M85

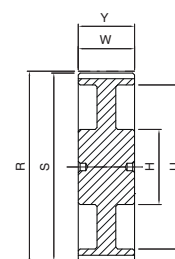
8M



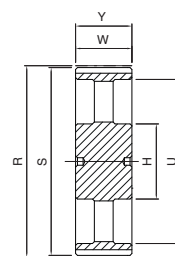
| Code       | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| ST22S8M85  | 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   | without flanges | cast iron |
| 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   | -      |                 |           |



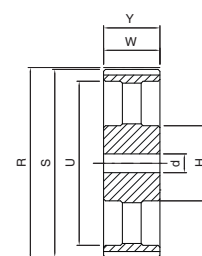
6



6A



6B



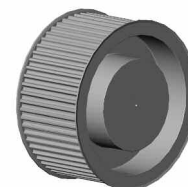
7B

## 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   | without flanges | cast iron |
| 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   |                 |           |

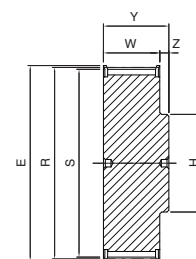
## Dimensions of timing pulleys TOP DRIVE® STD - solid hub



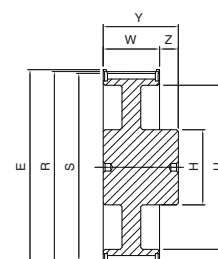
### ST ... S14M55

14M

| Code        | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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      | -         | without flanges |           |
| 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      | -         |                 |           |



1

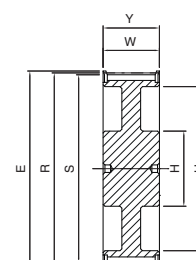


3

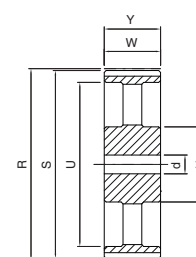
### ST ... S14M85

14M

| Code        | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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     | -         |              |           |



6



7B

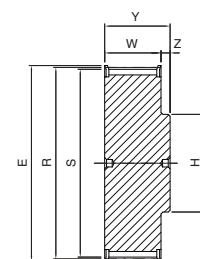
# Dimensions of timing pulleys TOP DRIVE® STD - solid hub



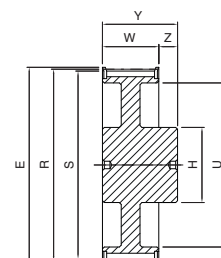
## ST ... S14M115

14M

| Code         | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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     | -         |              |           |



1

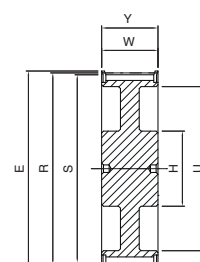


3

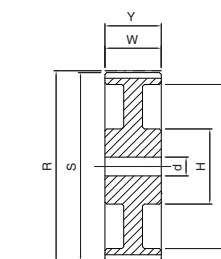
## ST ... S14M170

14M

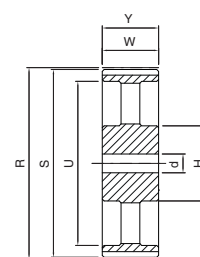
| Code         | Teeth<br>nr. | Type | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | d<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[mm] | Flange          | Material  |
|--------------|--------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|
| 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      | without flanges |           |
| 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     | -         |                 |           |



6



7A

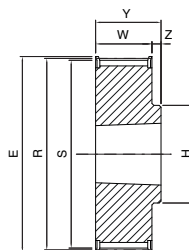


7B

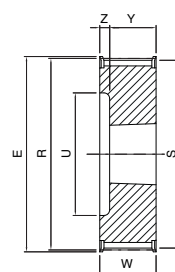
# Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT® itches 8M - 14M



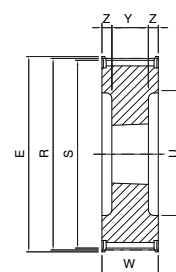
|                                                |                |
|------------------------------------------------|----------------|
| Part Number                                    | STB 32 S 8M 20 |
| TOP DRIVE® STD pulley - mounting taper bushing |                |
| Number of teeth                                |                |
| Pitch                                          |                |
| Belt width in mm                               |                |



2



4

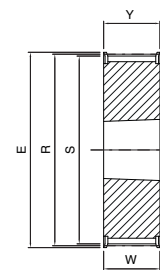


5

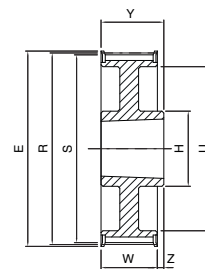
## STB ... S8M 20

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  |
|------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges |           |
| STB90S8M20 | 90        | 9B   | 2012                   | -      | 229,18 | 227,81 | 204,0  | 110,0  | 28,0   | 32,0   | 4,0    |                 |           |



6

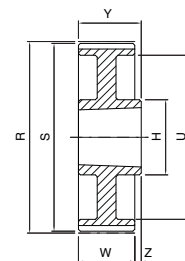


9

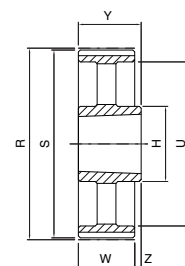
## STB ... S8M 30

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  |
|-------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges |           |
| 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    |                 |           |



9A



9B

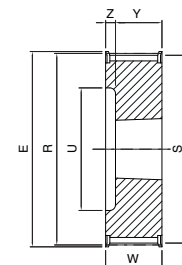
# Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT®



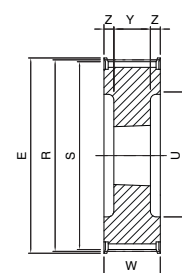
## STB ... S8M 50

8M

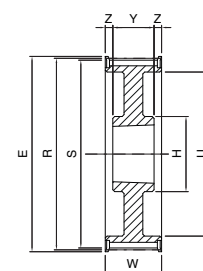
| Code        | Teeth nr. | Type | SER-SIT®<br>Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|-------------|-----------|------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    |                 |           |



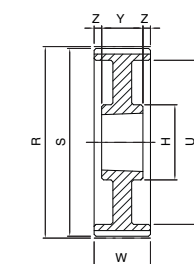
4



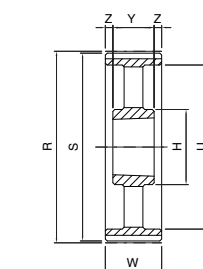
5



8



8A



8B

## STB ... S8M 85

8M

| Code        | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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      | without flanges |           |
| 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       |                 |           |

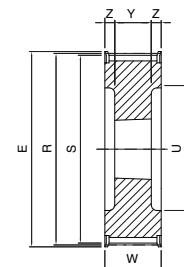
# Dimensions of timing pulleys TOP DRIVE® STD - mounting taper bushing SER-SIT®



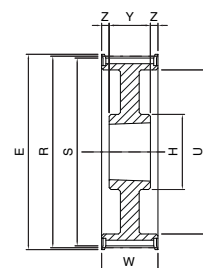
## STB ... S14M 40

14M

| Code         | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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

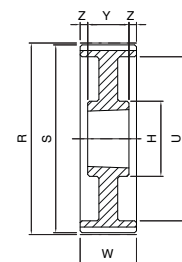


8

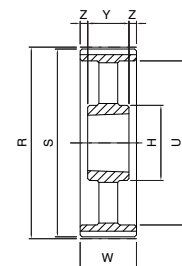
## STB ... S14M 55

14M

| Code         | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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



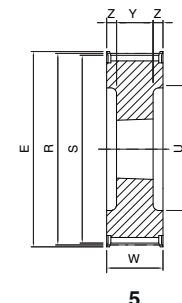
8B

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

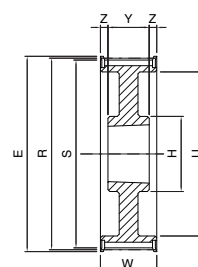
## STB ... S14M 85

14M

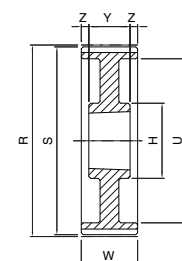
| Code         | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange          | Material  |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| 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    | without flanges | cast iron |
| 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    |                 |           |



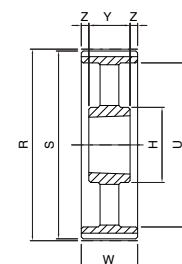
5



8



8A



8B

## 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   | without flanges | cast iron |
| 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   |                 |           |

## STB ... S14M 170

14M

| Code          | Teeth<br>nr. | Type | SER-SIT®<br>Taper<br>bushing | E<br>[mm] | R<br>[mm] | S<br>[mm] | U<br>[mm] | H<br>[mm] | W<br>[mm] | Y<br>[mm] | Z<br>[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      | without flanges |           |
| 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      |                 |           |

## 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<br>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.

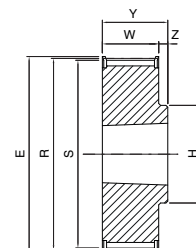
### Note

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                           |                |

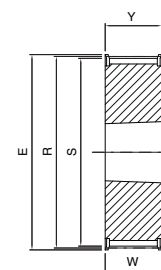


2

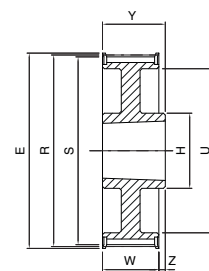
## PBG ...G8M 12

8M

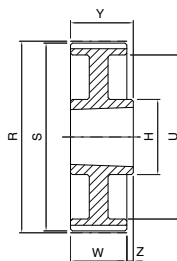
| Code        | Teeth nr. | Type | SER-SIT®<br>Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|-------------|-----------|------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PBG 22G8M12 | 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   | -      | steel     |
| 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    |           |
| 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    | cast iron |
| 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   | cast iron |
| 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

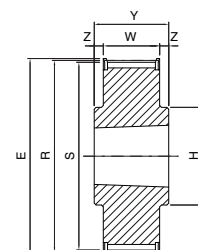
# Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



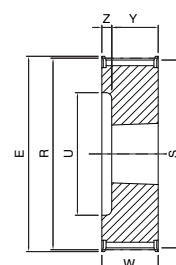
## PBG ...G8M 21

8M

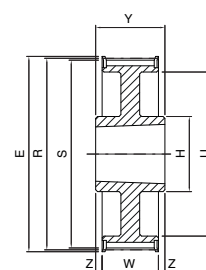
| Code         | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PBG 22G8M21  | 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    | steel     |
| PBG 30G8M21  | 30        | 4    | 1610                   | 84,0   | 76,39  | 74,79  | 58,0   | -      | 30,0   | 25,0   | 5,0    |           |
| 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    | cast iron |
| 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    |           |
| 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    | cast iron |
| 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   | cast iron |
| 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   |           |



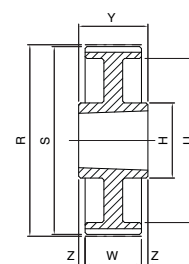
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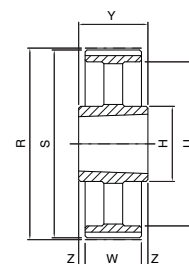
4



11



11A



11B

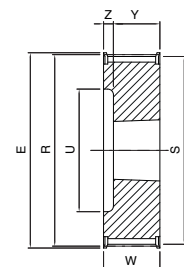
# Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



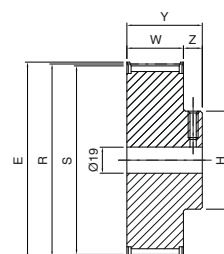
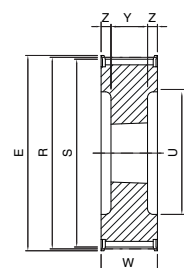
## PBG ...G8M 36

8M

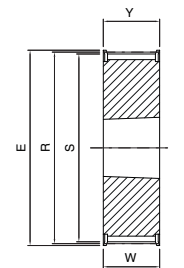
| Code         | Teeth nr. | Type | SER-SIT®<br>Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|--------------|-----------|------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PG 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    | cast iron |
| 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   | -      |           |
| 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    |           |
| 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    |           |
| PBG 192G8M36 | 192       | 11B  | 3020                      | -      | 488,92 | 487,32 | 462,0  | 160,0  | 45,0   | 51,0   | 3,0    |           |



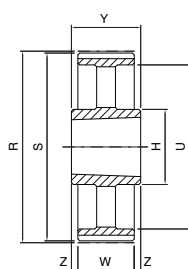
4


4C  
Set screw M10


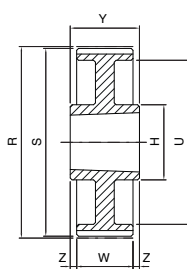
5



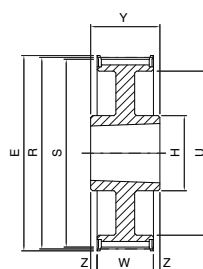
6



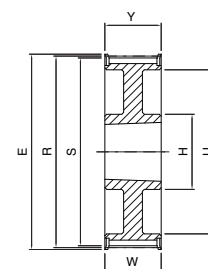
11B



11A



11



7

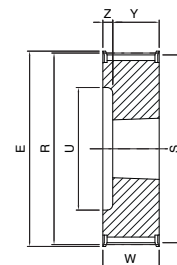
# Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



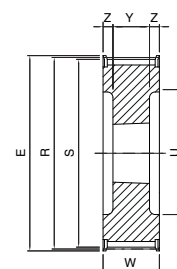
## PBG ...G8M 62

8M

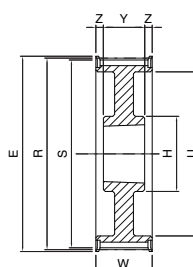
| Code         | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|--------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| PBG 30G8M62  | 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   | steel     |
| PBG 48G8M62  | 48        | 5    | 2517                   | 129,0  | 122,23 | 120,63 | 100,0  | -      | 72,0   | 45,0   | 13,5   |           |
| 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   | cast iron |
| PBG 60G8M62  | 60        | 5    | 2517                   | 158,0  | 152,79 | 151,19 | 128,0  | -      | 72,0   | 45,0   | 13,5   |           |
| 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   |           |
| 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    |           |
| 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    |           |



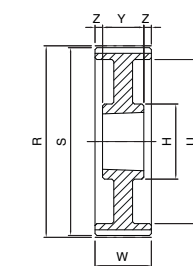
4



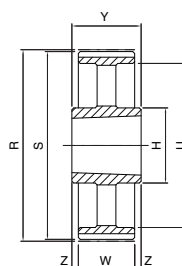
5



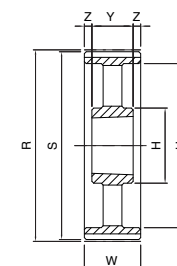
8



8A



11B



8B

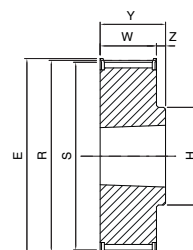
# Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



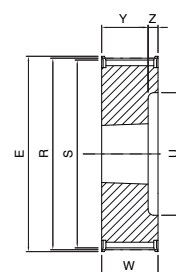
## PBG ...G14M 20

14M

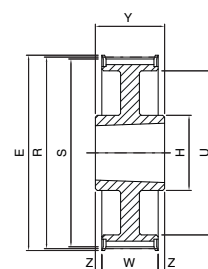
| Code          | Teeth nr. | Type | SER-SIT®<br>Taper bushing | E [mm] | R [mm]  | S [mm]  | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|---------------|-----------|------|---------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| 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   |           |



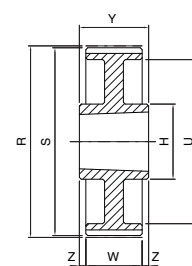
2



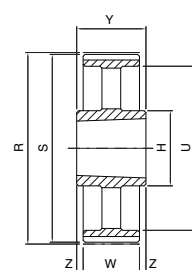
3



11



11A



11B

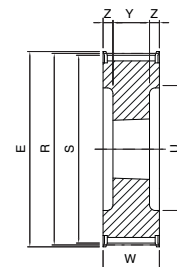
# Dimensions of timing pulleys FALCON GTR - mounting taper bushing SER-SIT®



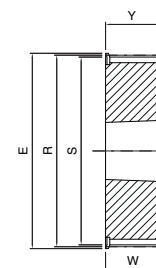
## PBG ...G14M 37

14M

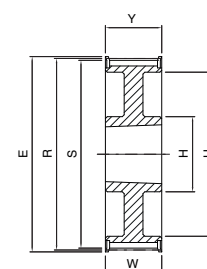
| Code          | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm]  | S [mm]  | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|---------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PBG 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   |           |



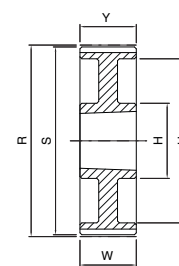
5



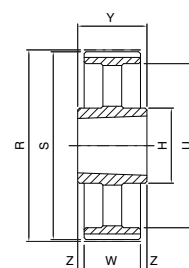
6



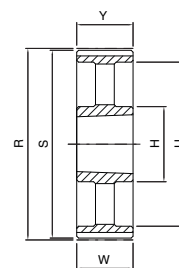
7



7A



11B



7B

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



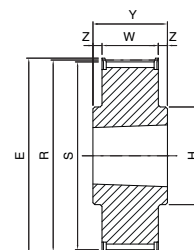
## PBG ...G14M 68

14M

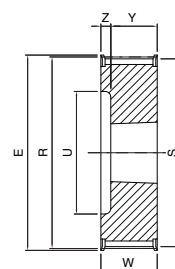
| Code          | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm]  | S [mm]  | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|---------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| PBG 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

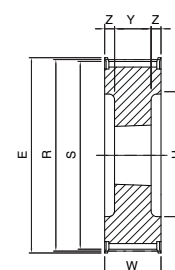
GS400 = spheroidal cast iron



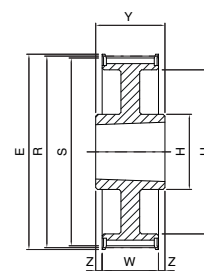
1



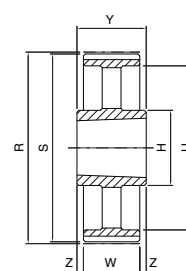
4



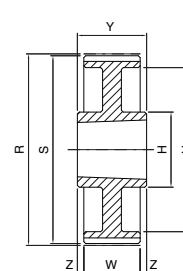
5



11



11B



11A

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



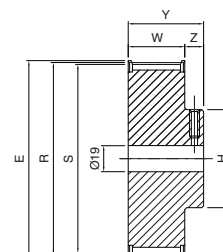
## PBG ...G14M 90

14M

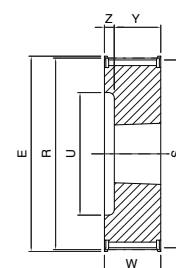
| Code          | Teeth nr. | Type | SER-SIT®<br>Taper bushing | E [mm] | R [mm]  | S [mm]  | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material  |
|---------------|-----------|------|---------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------|
| 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

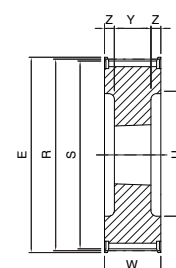
GS400 = spheroidal cast iron



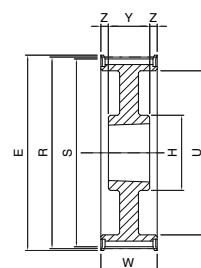
4C  
Set screw



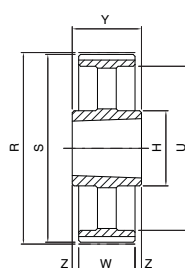
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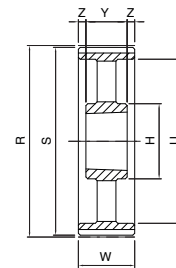
5



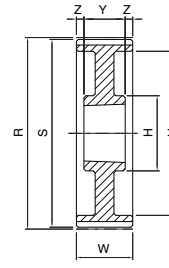
8



11B



8B



8A

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

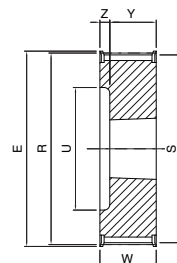


## PBG ...G14M 125

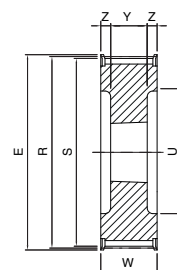
14M

| 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    |           |

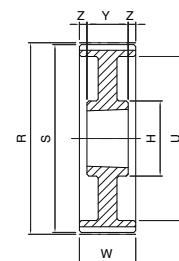
GS400 = spheroidal cast iron



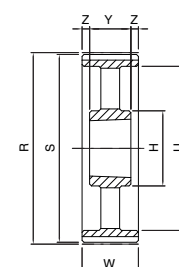
4



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

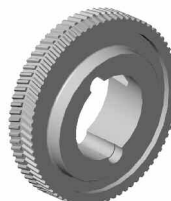


### For mounting taper bushing SER-SIT®

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

Pitch:

- 14M



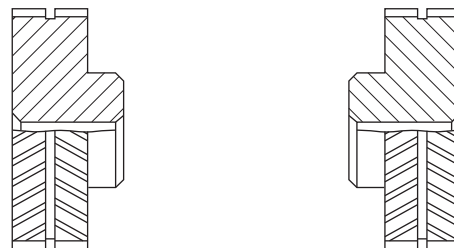
### Special executions

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<br>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



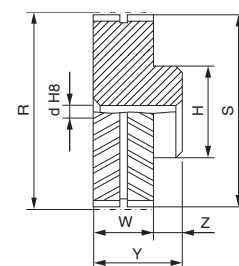
| Part Number                     | PE | Y | -32S | -MPB |
|---------------------------------|----|---|------|------|
| EAGLE timing pulley - solid hub |    |   |      |      |
| Belt width                      |    |   |      |      |
| Number of teeth                 |    |   |      |      |
| Solid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

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

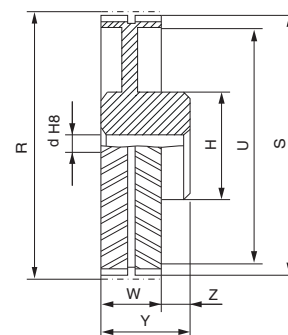
8M

| 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          | GS400    |
| 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          |          |
| 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          | GG       |
| 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          |          |
| 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         |          |

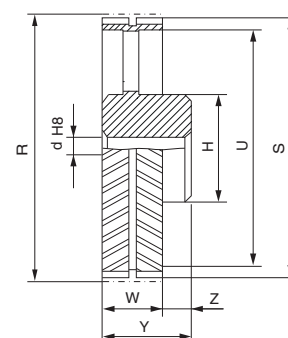
GS400 = spheroidal cast iron - GG = grey cast iron



1



2



3

## Dimensions of timing pulleys EAGLE - solid hub

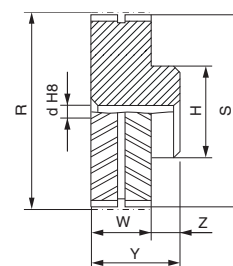


Type "White" W - belt width W = 32 mm

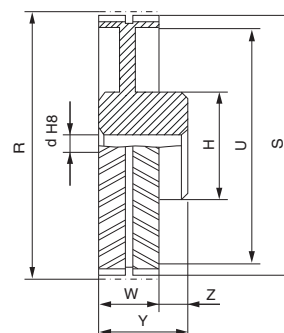
8M

| 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          | GS400    |
| 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          |          |
| 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          | GG       |
| 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   | 80,0          |          |
| 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         |          |

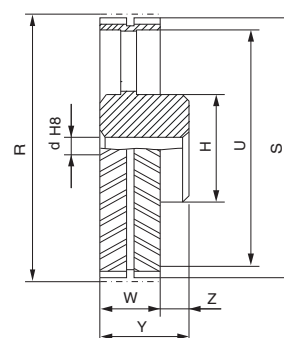
GS400 = spheroidal cast iron - GG = grey cast iron



1



2



3

# Dimensions of timing pulleys EAGLE - solid hub

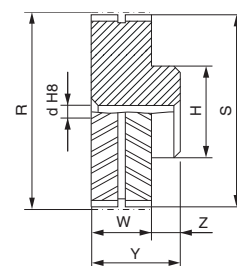


Type "Purple" P - belt width  $W = 64 \text{ mm}$

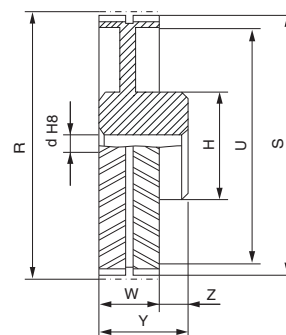
8M

| 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         |          |

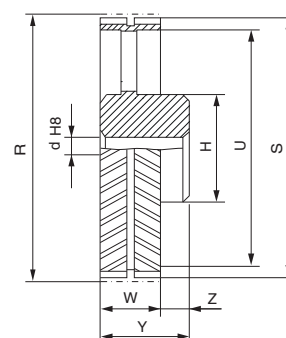
GS400 = spheroidal cast iron - GG = grey cast iron



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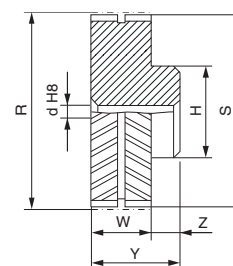
## Dimensions of timing pulleys EAGLE - solid hub



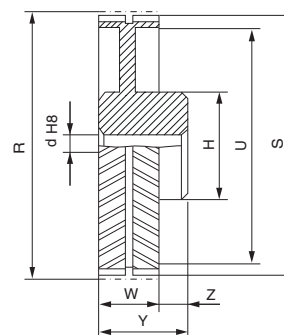
### Type "Blue" B - belt width W = 35 mm

14M

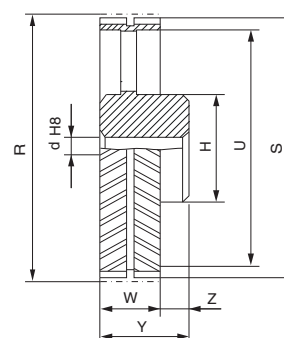
| Code         | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEB-28S-MPB  | 28        | 1    | 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

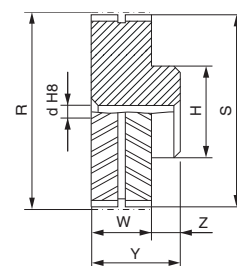
# Dimensions of timing pulleys EAGLE - solid hub



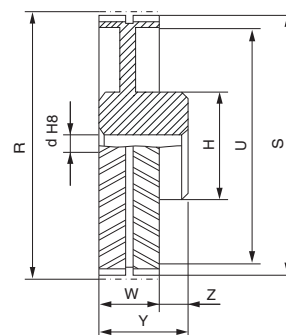
Type "Orange" O - belt width W = 70 mm

14M

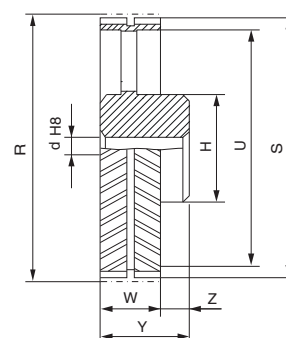
| Code         | Teeth nr. | Type | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Max bore [mm] | Material |
|--------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|----------|
| PEO-28S-MPB  | 28        | 1    | 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         | GS400    |
| 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         |          |
| 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         | GG       |
| PEO-90S-MPB  | 90        | 2    | 401,08 | 398,29 | 358,0  | 200,0  | 25,4   | 72,0   | 88,0   | 16,0   | 133,0         |          |
| 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         |          |



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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         | GS400    |
| 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         |          |
| 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         | GG       |
| PER-90S-MPB  | 90        | 2    | 401,08 | 398,29 | 358,0  | 220,0  | 25,4   | 107,0  | 123,0  | 16,0   | 147,0         |          |
| 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



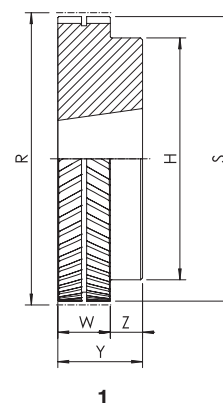
| Part Number                     | PBE | B | -32S | -2517 |
|---------------------------------|-----|---|------|-------|
| EAGLE timing pulley - solid hub |     |   |      |       |
| Belt width                      |     |   |      |       |
| Number of teeth                 |     |   |      |    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

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

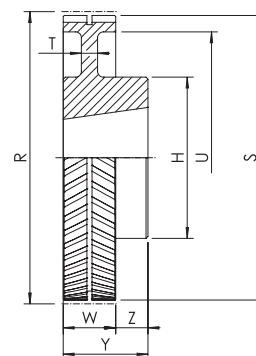
14M

| 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   |          |
| 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   | GG       |
| 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   |          |

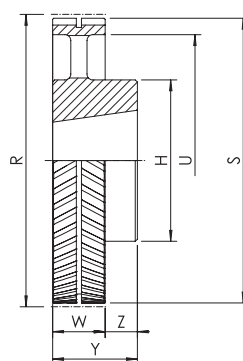
GS400 = spheroidal cast iron - GG = grey cast iron



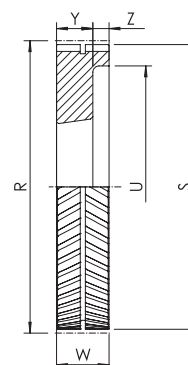
1



2

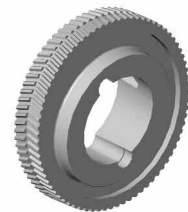


3



4

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

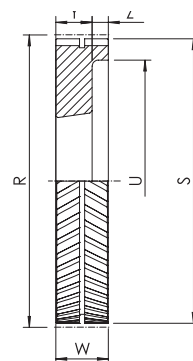


Type "Green" G - belt width  $W = 52,5 \text{ mm}$

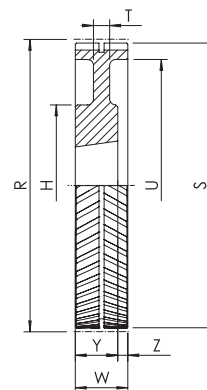
14M

| Code           | Teeth nr. | Type | Taper bushing SER-SIT® | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| 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    |          |
| PBEG-112S-3020 | 112       | 10   | 3020                   | 499,12 | 496,33 | 456,0  | 180,0  | 54,5   | 51,0   | 3,5    | GG       |
| 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    |          |

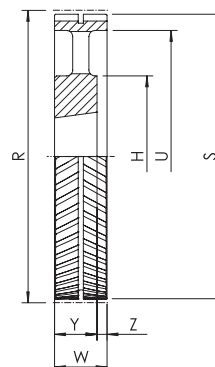
GS400 = spheroidal cast iron - GG = grey cast iron



4



8



10

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

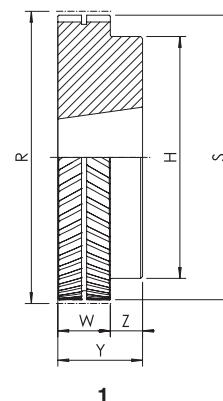


Type "Orange" O - belt width W = 70 mm

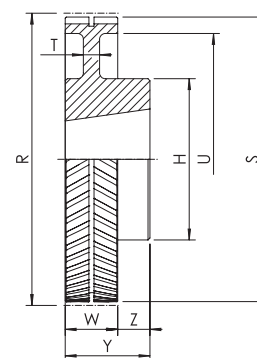
14M

| 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   | GS400    |
| 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    |          |
| 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   | GG       |
| PBEO-90S-3535  | 90        | 2    | 3535                   | 401,08 | 398,29 | 358,0  | 200,0  | 72,0   | 89,0   | 17,0   |          |
| 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   |          |

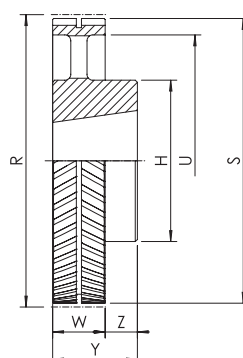
GS400 = spheroidal cast iron - GG = grey cast iron



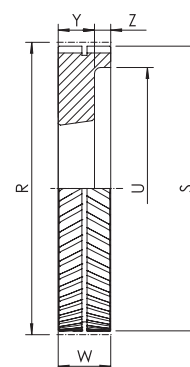
1



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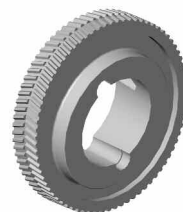


4

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

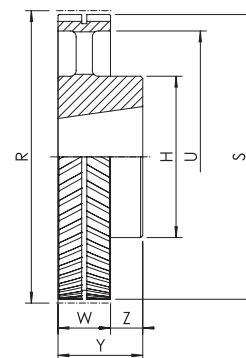
Type "Red" R - belt width W = 105 mm

14M

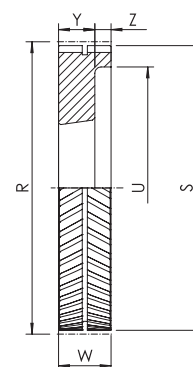


| Code            | Teeth nr. | Type | Taper bushing SER-SIT® | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| PBER -28S-2517  | 28        | 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    | GS400    |
| 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    | GG       |
| 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   |          |

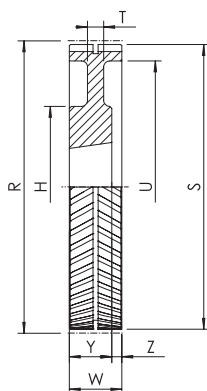
GS400 = spheroidal cast iron - GG = grey cast iron



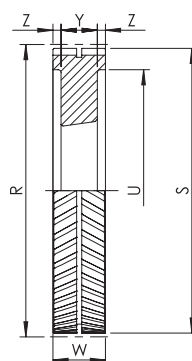
3



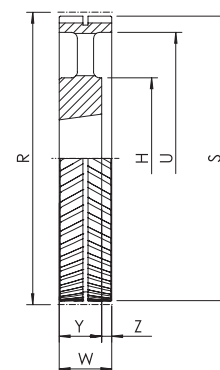
4



8



9



10

## Dimensions of timing pulleys EAGLE - solid hub aluminum type

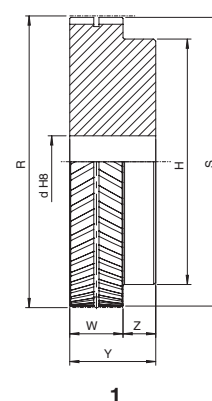


| Part Number                     | PE5M 25 | -15S | -MPB |
|---------------------------------|---------|------|------|
| EAGLE timing pulley - solid hub |         |      |      |
| Belt width in mm                |         |      |      |
| Number of teeth                 |         |      |      |
|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

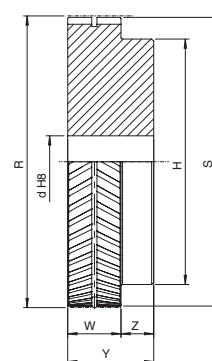


| Part Number                     | PE | M | -20S | -MPB |
|---------------------------------|----|---|------|------|
| EAGLE timing pulley - solid hub |    |   |      |      |
| Belt width (25 mm)              |    |   |      |      |
| Number of teeth                 |    |   |      |      |
| Solid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

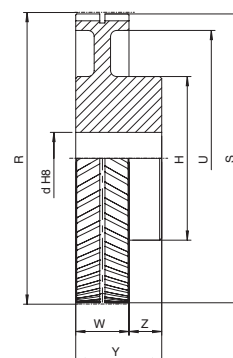


1

## 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

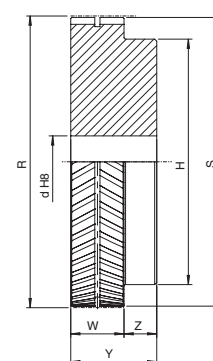


| Part Number                     | PE10M 25 | -15S | -MPB |
|---------------------------------|----------|------|------|
| EAGLE timing pulley - solid hub |          |      |      |
| Belt width (25 mm)              |          |      |      |
| Number of teeth                 |          |      |   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

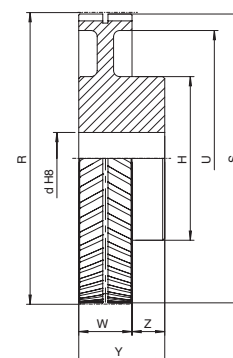
### PE10M - belt width 25 mm

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         |          |

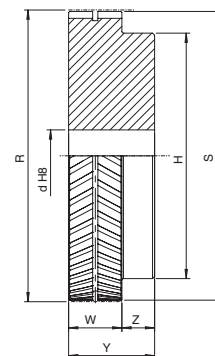
# Dimensions of timing pulleys EAGLE - solid hub aluminum type



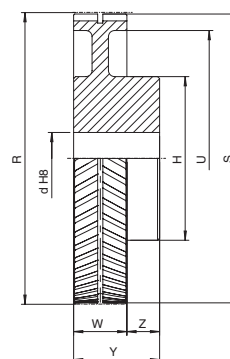
## PE10M - belt width 50 mm

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         |          |



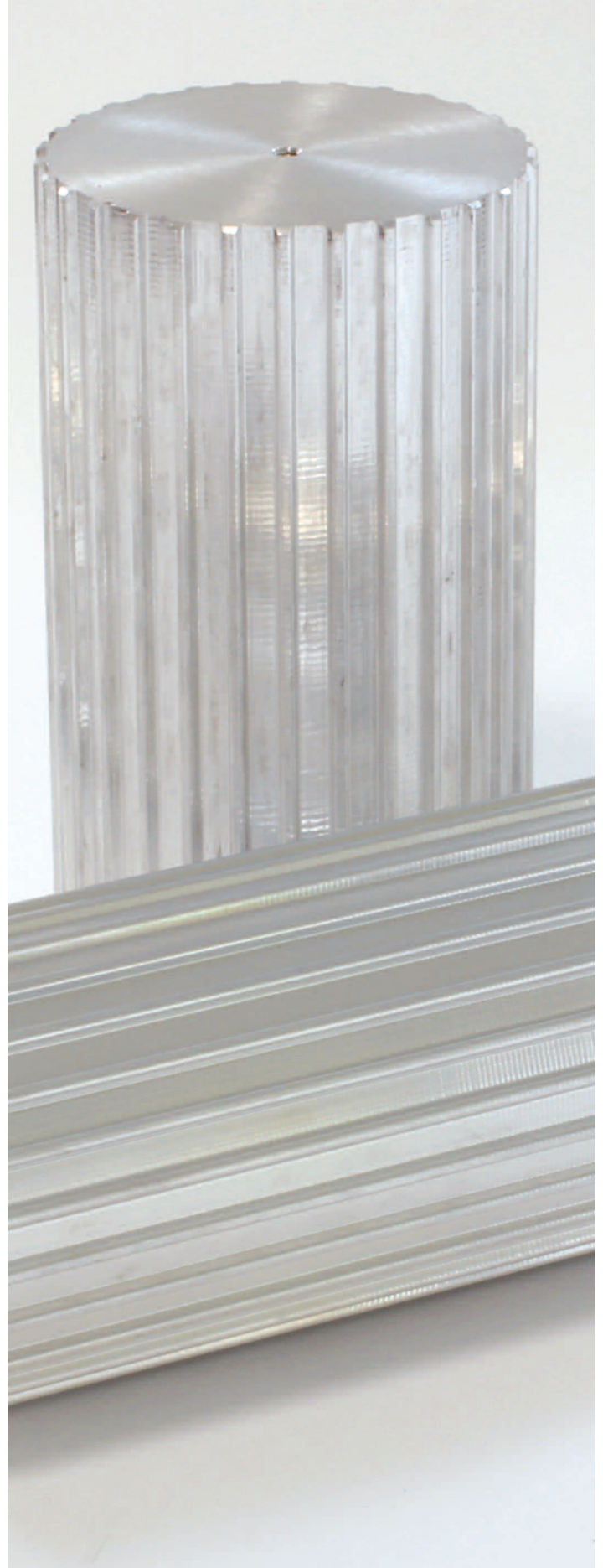
1



2



# Timing Bars



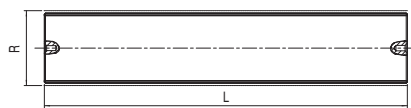


# SIT timing bars - IMPERIAL PITCH

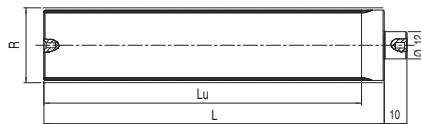
## Pitches MXL - XL - L

"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



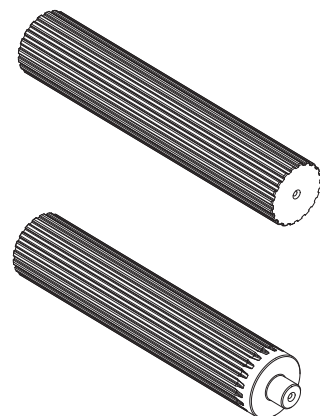
3

## Dimensions

| MXL<br>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<br>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<br>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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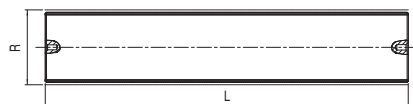
\*= available on demand

|                                    |                |
|------------------------------------|----------------|
| Part Number                        | BAR 40 XL / AC |
| Timing Bar                         |                |
| Teeth number                       |                |
| Pitch                              |                |
| Material - AC: steel; AL: aluminum |                |

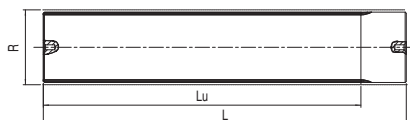
## SIT timing bars - TOP DRIVE® HTD

### Pitches 3M - 5M - 8M

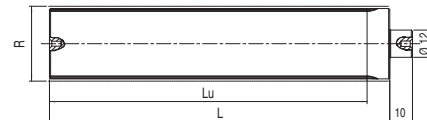
“TOP DRIVE® HTD” timing bars are made of 6082 aluminum suitable for hard anodizing treatment.



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3

### Dimensions

| HTD 3M<br>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<br>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<br>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    |

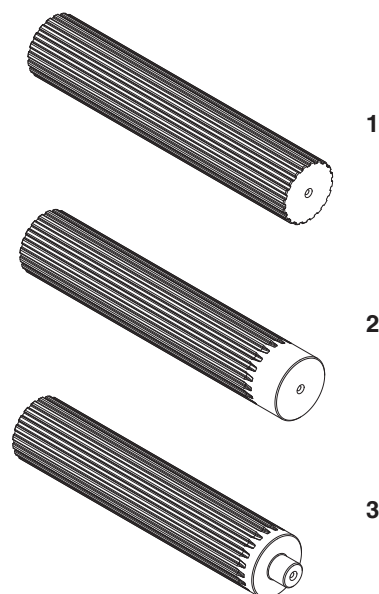
Part Number **BAR 25 - 5M / AL**

Timing Bar

Teeth number

Pitch

Material - AL: aluminum



\*= available on demand

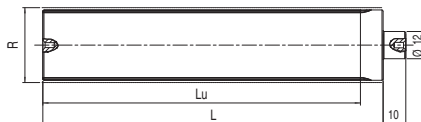
## SIT timing bars - METRIC PITCH

## 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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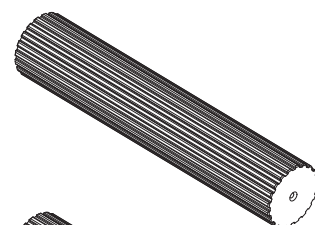
3

## Dimensions

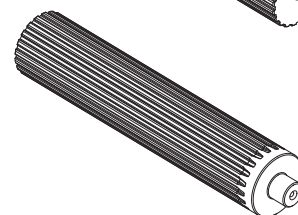
| T 2,5<br>pitch 2,5 mm |           |      |        |         |        |
|-----------------------|-----------|------|--------|---------|--------|
| ALUMINUM              |           |      |        |         |        |
| Code                  | Teeth nr. | Type | R [mm] | Lu [mm] | L [mm] |
| BAR10T2,5             | 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<br>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<br>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    |



1



3

Part Number

BAR 22 T10 / AL

Timing Bar

Teeth number

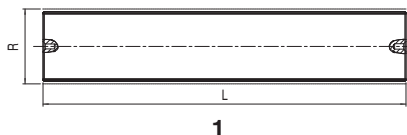
Pitch

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.

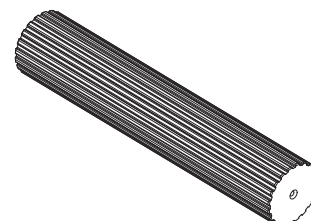


|                         |                  |
|-------------------------|------------------|
| Part Number             | BAR 28 AT10 / AL |
| Timing Bar              |                  |
| Teeth number            |                  |
| Pitch                   |                  |
| Material - AL: aluminum |                  |

### Dimensions

| AT 5<br>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<br>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    |



# Flanges



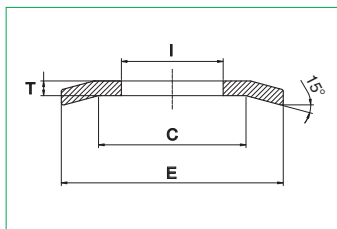


## SIT Flanges

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.



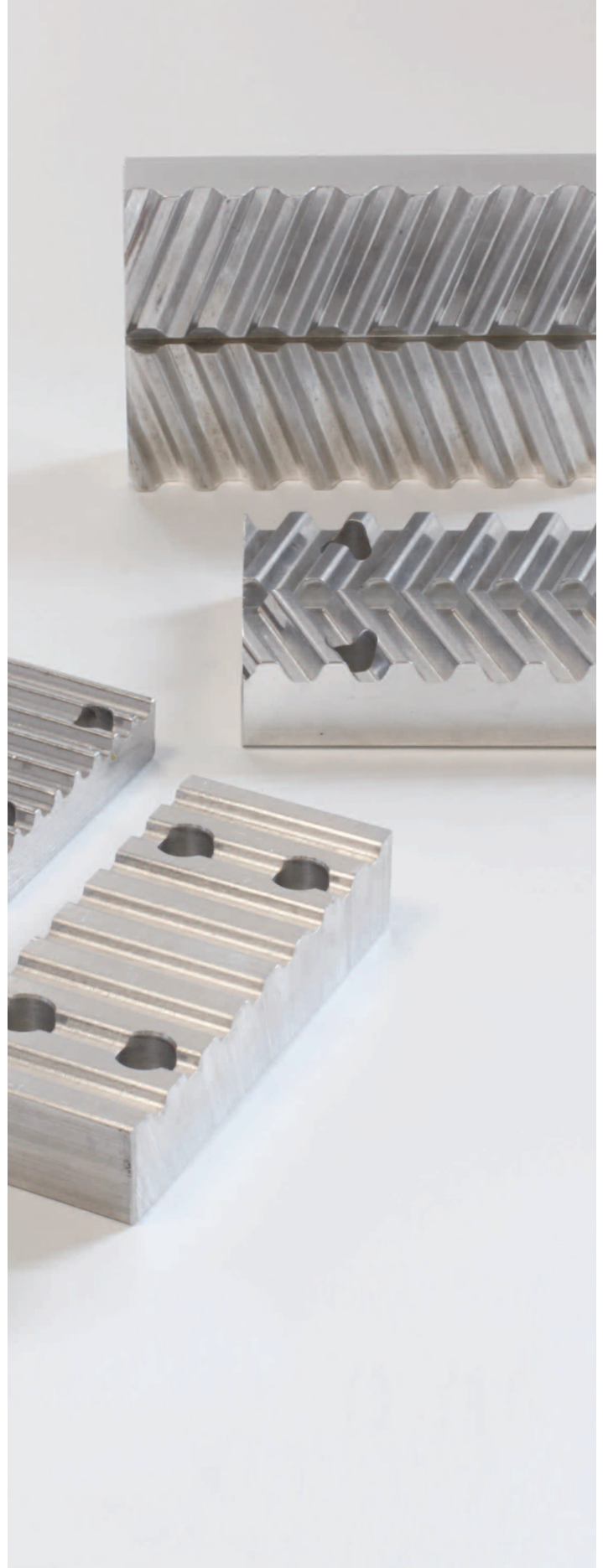
|                          |                 |
|--------------------------|-----------------|
| Part Number              | FL - 7 SP1,5 ZN |
| Flange for timing pulley |                 |
| Size                     |                 |
| Thickness                |                 |
| Galvanized      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

**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 |    |     |     | 24                      |                         | 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 | T10 - AT10 |
| 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

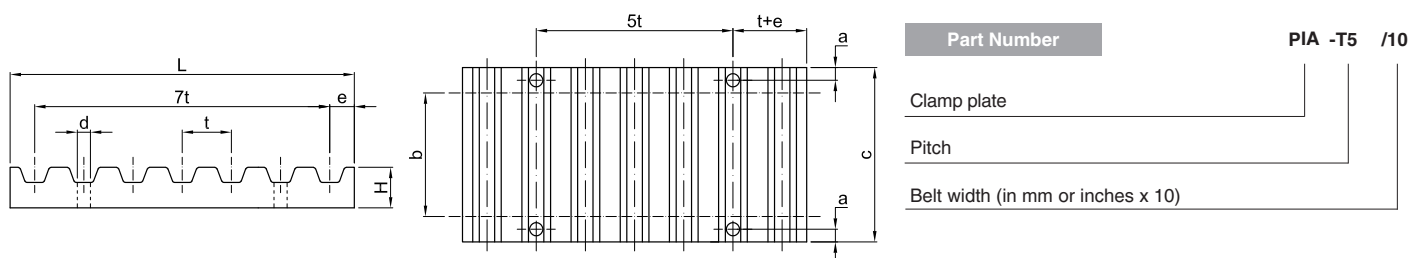
Clamp plates may be used as positive attachment of the belt ends in numerous applications in linear drives.

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.



| Type  | a<br>[mm] | d<br>[mm] | e<br>[mm] | L<br>[mm] | H<br>[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   |

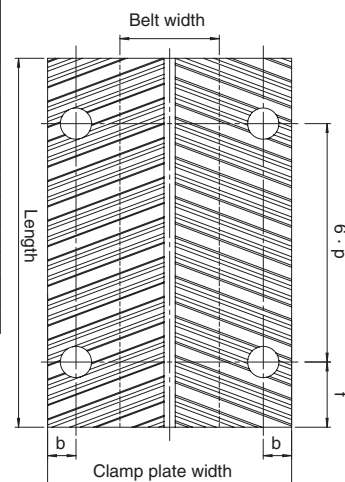
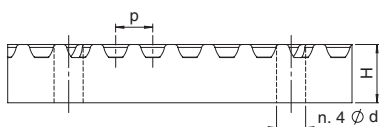
| Type | a<br>[mm] | d<br>[mm] | e<br>[mm] | L<br>[mm] | H<br>[mm] | Belt width [inch/100] |     |      |     |     |      |     |     |
|------|-----------|-----------|-----------|-----------|-----------|-----------------------|-----|------|-----|-----|------|-----|-----|
|      |           |           |           |           |           | 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<br>[mm] | d<br>[mm] | e<br>[mm] | L<br>[mm] | H<br>[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

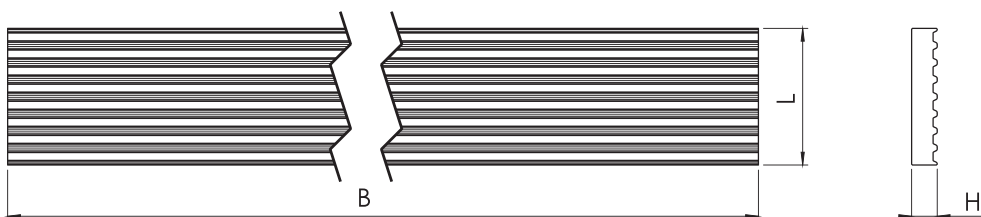
| EAGLE Belts | Clamp plates |     |     |             |      | Belt width [mm]        |    |    |    |    |    |     |     |    |      |     |     |  |
|-------------|--------------|-----|-----|-------------|------|------------------------|----|----|----|----|----|-----|-----|----|------|-----|-----|--|
| 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           |     |     |             |      | -                      | -  | -  | -  | -  | -  | -   | -   | -  | -    | -   | 136 |  |



## SIT Raw clamp plates

| Part Number   | PIA -T5 -S |
|---------------|------------|
| Clamp plate   |            |
| Pitch         |            |
| Raw execution |            |

(Note: fore Eagle type specify the belt width)



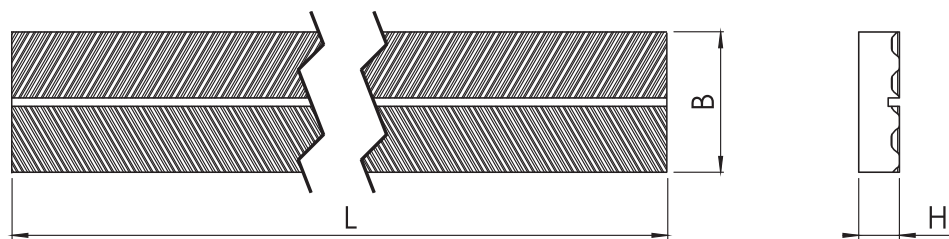
| Type | B [mm] | H [mm] | L [mm] |
|------|--------|--------|--------|
| T5   | 750    | 8      | 41,8   |
| AT5  | 750    | 8      | 41,8   |
| T10  | 750    | 15     | 80,0   |
| AT10 | 750    | 15     | 80,0   |

| 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-E5-12,5S | PIA-E5-25S | 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        |