

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: black manganese phosphating

Pitch:

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



For mounting taper bushing SER-SIT®

Material: cast iron/steel

Finishing: black manganese phosphating

Pitch:

- 5M
- 8M
- 14M



Special executions

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

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

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

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

Flanged pulleys

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

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

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

TOLERANCES

Pulley diameter tolerances

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

Radial circular runout

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

Cylindricity tolerance

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

Protective coating

All (steel and cast iron) pulleys are treated with a black manganese phosphating 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.

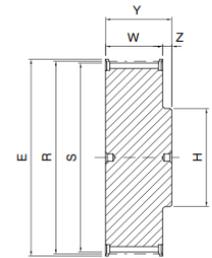


Distribuye:

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



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

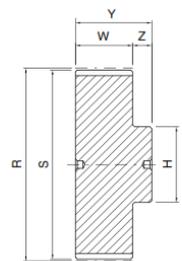


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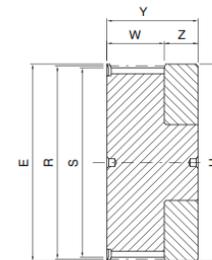
3M

HD ... -3M09

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|-----------------|----------|--|
| HD 10 - 3M 09 | 10 | 2 | 13,0 | 9,55 | 8,79 | 13,0 | 10,2 | 17,5 | 7,3 | with flanges | aluminum | |
| HD 12 - 3M 09 | 12 | 2 | 15,0 | 11,46 | 10,70 | 15,0 | 10,2 | 17,5 | 7,3 | | | |
| HD 14 - 3M 09 | 14 | 2 | 16,0 | 13,37 | 12,61 | 18,0 | 10,2 | 17,5 | 7,3 | | | |
| HD 15 - 3M 09 | 15 | 2 | 17,5 | 14,32 | 13,56 | 18,0 | 10,2 | 17,5 | 7,3 | | | |
| HD 16 - 3M 09 | 16 | 1 | 17,5 | 15,28 | 14,52 | 10,0 | 12,8 | 20,6 | 7,8 | | | |
| HD 18 - 3M 09 | 18 | 1 | 20,0 | 17,19 | 16,43 | 11,0 | 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 flanges | | |



1A



2

3M

HD ... -3M15

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|-----------------|----------|--|
| HD 10 - 3M 15 | 10 | 2 | 13,0 | 9,55 | 8,79 | 13,0 | 17,0 | 26,0 | 9,0 | with flanges | aluminum | |
| HD 12 - 3M 15 | 12 | 2 | 15,0 | 11,46 | 10,70 | 15,0 | 17,0 | 26,0 | 9,0 | | | |
| HD 14 - 3M 15 | 14 | 2 | 16,0 | 13,37 | 12,61 | 18,0 | 17,0 | 26,0 | 9,0 | | | |
| HD 15 - 3M 15 | 15 | 2 | 17,5 | 14,32 | 13,56 | 18,0 | 17,0 | 26,0 | 9,0 | | | |
| HD 16 - 3M 15 | 16 | 1 | 17,5 | 15,28 | 14,52 | 10,0 | 19,5 | 26,0 | 6,5 | | | |
| HD 18 - 3M 15 | 18 | 1 | 20,0 | 17,19 | 16,43 | 11,0 | 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 flanges | | |

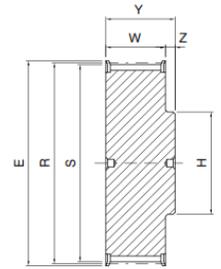
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



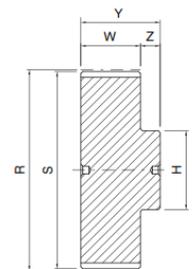
HD ... -5M09

5M

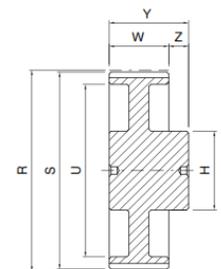
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|----------|
| HD 12 - 5M 09 | 12 | 1 | 23,0 | 19,10 | 17,96 | - | 12,0 | 14,5 | 20,0 | 5,5 | with flanges | steel |
| HD 14 - 5M 09 | 14 | 1 | 25,0 | 22,28 | 21,14 | - | 13,0 | 14,5 | 20,0 | 5,5 | | |
| HD 15 - 5M 09 | 15 | 1 | 28,0 | 23,87 | 22,73 | - | 16,0 | 14,5 | 20,0 | 5,5 | | |
| HD 16 - 5M 09 | 16 | 1 | 28,0 | 25,47 | 24,32 | - | 16,5 | 14,5 | 20,0 | 5,5 | | |
| HD 18 - 5M 09 | 18 | 1 | 32,0 | 28,65 | 27,51 | - | 20,0 | 14,5 | 20,0 | 5,5 | | |
| HD 20 - 5M 09 | 20 | 1 | 36,0 | 31,83 | 30,69 | - | 23,0 | 14,5 | 22,5 | 8,0 | | |
| HD 21 - 5M 09 | 21 | 1 | 38,0 | 33,42 | 32,28 | - | 24,0 | 14,5 | 22,5 | 8,0 | | |
| HD 22 - 5M 09 | 22 | 1 | 39,0 | 35,01 | 33,87 | - | 25,5 | 14,5 | 22,5 | 8,0 | | |
| HD 24 - 5M 09 | 24 | 1 | 42,0 | 38,19 | 37,06 | - | 27,0 | 14,5 | 22,5 | 8,0 | | |
| HD 26 - 5M 09 | 26 | 1 | 44,0 | 41,38 | 40,24 | - | 30,0 | 14,5 | 22,5 | 8,0 | | |
| HD 28 - 5M 09 | 28 | 1 | 48,0 | 44,56 | 43,42 | - | 30,5 | 14,5 | 22,5 | 8,0 | | |
| HD 30 - 5M 09 | 30 | 1 | 51,0 | 47,75 | 46,61 | - | 35,0 | 14,5 | 22,5 | 8,0 | | |
| HD 32 - 5M 09 | 32 | 1 | 54,0 | 50,93 | 49,79 | - | 38,0 | 14,5 | 22,5 | 8,0 | | |
| HD 36 - 5M 09 | 36 | 1 | 60,0 | 57,30 | 56,16 | - | 38,0 | 14,5 | 22,5 | 8,0 | | |
| HD 40 - 5M 09 | 40 | 1 | 71,0 | 63,66 | 62,52 | - | 38,0 | 14,5 | 22,5 | 8,0 | | |
| HD 44 - 5M 09 | 44 | 1A | - | 70,03 | 68,89 | - | 38,0 | 14,5 | 25,5 | 11,0 | without flanges | aluminum |
| 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 | | |



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1A



3A

HD ... -5M15

5M

| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|---------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|----------|
| HD 12 - 5M 15 | 12 | 1 | 23,0 | 19,10 | 17,96 | - | 12,0 | 20,5 | 26,0 | 5,5 | with flanges | steel |
| HD 14 - 5M 15 | 14 | 1 | 25,0 | 22,28 | 21,14 | - | 13,0 | 20,5 | 26,0 | 5,5 | | |
| HD 15 - 5M 15 | 15 | 1 | 28,0 | 23,87 | 22,73 | - | 16,0 | 20,5 | 26,0 | 5,5 | | |
| HD 16 - 5M 15 | 16 | 1 | 28,0 | 25,47 | 24,32 | - | 16,5 | 20,5 | 26,0 | 5,5 | | |
| HD 18 - 5M 15 | 18 | 1 | 32,0 | 28,65 | 27,51 | - | 20,0 | 20,5 | 26,0 | 5,5 | | |
| HD 20 - 5M 15 | 20 | 1 | 36,0 | 31,83 | 30,69 | - | 23,0 | 20,5 | 26,0 | 5,5 | | |
| HD 21 - 5M 15 | 21 | 1 | 38,0 | 33,42 | 32,28 | - | 24,0 | 20,5 | 26,0 | 5,5 | | |
| HD 22 - 5M 15 | 22 | 1 | 39,0 | 35,01 | 33,87 | - | 25,5 | 20,5 | 26,0 | 5,5 | | |
| HD 24 - 5M 15 | 24 | 1 | 42,0 | 38,19 | 37,06 | - | 27,0 | 20,5 | 28,0 | 7,5 | | |
| HD 26 - 5M 15 | 26 | 1 | 44,0 | 41,38 | 40,24 | - | 30,0 | 20,5 | 28,0 | 7,5 | | |
| HD 28 - 5M 15 | 28 | 1 | 48,0 | 44,56 | 43,42 | - | 30,5 | 20,5 | 28,0 | 7,5 | | |
| HD 30 - 5M 15 | 30 | 1 | 51,0 | 47,75 | 46,61 | - | 35,0 | 20,5 | 28,0 | 7,5 | | |
| HD 32 - 5M 15 | 32 | 1 | 54,0 | 50,93 | 49,79 | - | 38,0 | 20,5 | 28,0 | 7,5 | | |
| HD 36 - 5M 15 | 36 | 1 | 60,0 | 57,30 | 56,16 | - | 38,0 | 20,5 | 28,0 | 7,5 | | |
| HD 40 - 5M 15 | 40 | 1 | 71,0 | 63,66 | 62,52 | - | 38,0 | 20,5 | 28,0 | 7,5 | | |
| HD 44 - 5M 15 | 44 | 1A | - | 70,03 | 68,89 | - | 38,0 | 20,5 | 30,0 | 9,5 | without flanges | aluminum |
| 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 | | |

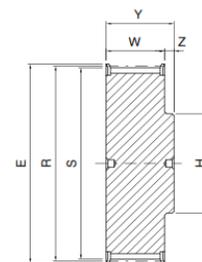
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



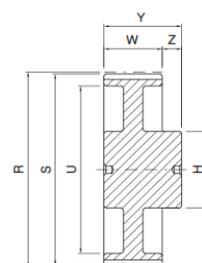
HD ... -5M25

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 | 12 | 1 | 23,0 | 19,10 | 17,96 | - | 12,0 | 30,0 | 36,0 | 6,0 | with flanges | steel |
| HD 14 - 5M 25 | 14 | 1 | 25,0 | 22,28 | 21,14 | - | 13,0 | 30,0 | 36,0 | 6,0 | | |
| HD 15 - 5M 25 | 15 | 1 | 28,0 | 23,87 | 22,73 | - | 16,0 | 30,0 | 36,0 | 6,0 | | |
| HD 16 - 5M 25 | 16 | 1 | 28,0 | 25,47 | 24,32 | - | 16,5 | 30,0 | 36,0 | 6,0 | | |
| HD 18 - 5M 25 | 18 | 1 | 32,0 | 28,65 | 27,51 | - | 20,0 | 30,0 | 36,0 | 6,0 | | |
| HD 20 - 5M 25 | 20 | 1 | 36,0 | 31,83 | 30,69 | - | 23,0 | 30,0 | 36,0 | 6,0 | | |
| HD 21 - 5M 25 | 21 | 1 | 38,0 | 33,42 | 32,28 | - | 24,0 | 30,0 | 38,0 | 8,0 | | |
| HD 22 - 5M 25 | 22 | 1 | 39,0 | 35,01 | 33,87 | - | 25,5 | 30,0 | 38,0 | 8,0 | | |
| HD 24 - 5M 25 | 24 | 1 | 42,0 | 38,19 | 37,06 | - | 27,0 | 30,0 | 38,0 | 8,0 | | |
| HD 26 - 5M 25 | 26 | 1 | 44,0 | 41,38 | 40,24 | - | 30,0 | 30,0 | 38,0 | 8,0 | | |
| HD 28 - 5M 25 | 28 | 1 | 48,0 | 44,56 | 43,42 | - | 30,5 | 30,0 | 38,0 | 8,0 | | |
| HD 30 - 5M 25 | 30 | 1 | 51,0 | 47,75 | 46,61 | - | 35,0 | 30,0 | 38,0 | 8,0 | | |
| HD 32 - 5M 25 | 32 | 1 | 54,0 | 50,93 | 49,79 | - | 38,0 | 30,0 | 38,0 | 8,0 | | |
| HD 36 - 5M 25 | 36 | 1 | 60,0 | 57,30 | 56,16 | - | 38,0 | 30,0 | 38,0 | 8,0 | | |
| HD 40 - 5M 25 | 40 | 1 | 71,0 | 63,66 | 62,52 | - | 38,0 | 30,0 | 38,0 | 8,0 | | |
| HD 44 - 5M 25 | 44 | 1A - 3A | - | 70,03 | 68,89 | - | 38,0 | 30,0 | 40,0 | 10,0 | without flanges | aluminum |
| HD 48 - 5M 25 | 48 | 1A - 3A | - | 76,39 | 75,25 | - | 45,0 | 30,0 | 40,0 | 10,0 | | |
| HD 60 - 5M 25 | 60 | 1A - 3A | - | 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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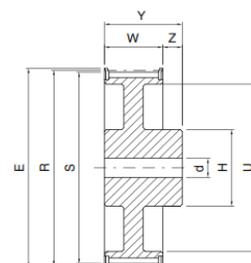


3A

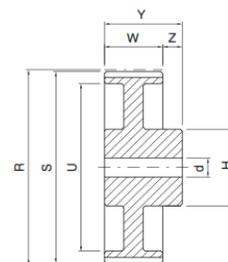
HD ... -8M20

8M

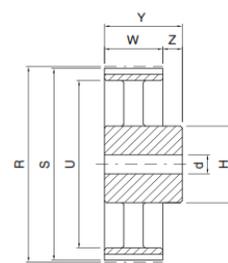
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|-----------|
| HD 18 - 8M 20 | 18 | 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 | 69,93 | - | 55,0 | - | 28 | 38 | 10 | | |
| HD 30 - 8M 20 | 30 | 1 | 83,0 | 76,39 | 75,02 | - | 60,0 | - | 28 | 38 | 10 | | |
| HD 32 - 8M 20 | 32 | 1 | 87,0 | 81,49 | 80,12 | - | 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 | | |



5



5A



5B

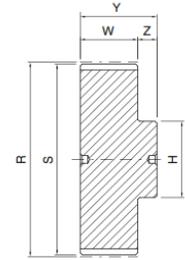
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



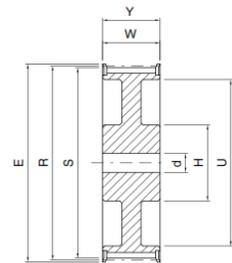
HD ... -8M30

8M

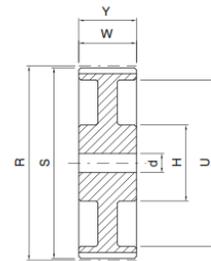
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|----------|
| HD 18 - 8M 30 | 18 | 1 | 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 | 69,93 | - | 55,0 | - | 38 | 48 | 10 | | |
| HD 30 - 8M 30 | 30 | 1 | 83,0 | 76,39 | 75,02 | - | 60,0 | - | 38 | 48 | 10 | | |
| HD 32 - 8M 30 | 32 | 1 | 87,0 | 81,49 | 80,12 | - | 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 | | |
| 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 | | |



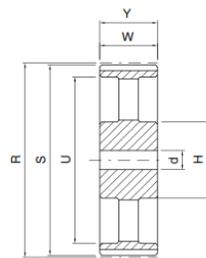
1A



7



7A

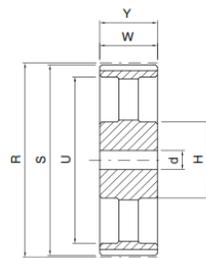


7B

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 | 69,93 | - | 55,0 | - | 60 | 70 | 10 | | |
| HD 30 - 8M 50 | 30 | 1 | 83,0 | 76,39 | 75,02 | - | 60,0 | - | 60 | 70 | 10 | | |
| HD 32 - 8M 50 | 32 | 1 | 87,0 | 81,49 | 80,12 | - | 64,0 | - | 60 | 70 | 10 | | |
| HD 34 - 8M 50 | 34 | 1 | 91,0 | 86,58 | 85,21 | - | 70,0 | - | 60 | 70 | 10 | | |
| HD 36 - 8M 50 | 36 | 1 | 97,0 | 91,67 | 90,30 | - | 75,0 | - | 60 | 70 | 10 | | |
| HD 38 - 8M 50 | 38 | 1 | 102,0 | 96,77 | 95,39 | - | 80,0 | - | 60 | 70 | 10 | | |
| HD 40 - 8M 50 | 40 | 1 | 106,0 | 101,86 | 100,49 | - | 85,0 | - | 60 | 70 | 10 | | |
| HD 44 - 8M 50 | 44 | 1 | 120,0 | 112,05 | 110,67 | - | 96,0 | - | 60 | 70 | 10 | | |
| HD 48 - 8M 50 | 48 | 1 | 128,0 | 122,23 | 120,86 | - | 104,0 | - | 60 | 70 | 10 | | |
| HD 56 - 8M 50 | 56 | 7 | 150,0 | 142,60 | 141,23 | 117 | 90,0 | 18 | 60 | 60 | - | | |
| HD 60 - 8M 50 | 60 | 7 | 158,0 | 152,79 | 151,42 | 127 | 100,0 | 18 | 60 | 60 | - | | |
| HD 64 - 8M 50 | 64 | 7 | 168,0 | 162,97 | 161,60 | 137 | 100,0 | 18 | 60 | 60 | - | | |
| HD 72 - 8M 50 | 72 | 7 | 192,0 | 183,35 | 181,97 | 158 | 100,0 | 18 | 60 | 60 | - | | |
| HD 80 - 8M 50 | 80 | 7A | - | 203,72 | 202,35 | 179 | 110,0 | 18 | 60 | 60 | - | | |
| HD 84 - 8M 50 | 84 | 7B | - | 213,90 | 212,53 | 190 | 110,0 | 18 | 60 | 60 | - | | |
| HD 90 - 8M 50 | 90 | 7B | - | 229,18 | 227,81 | 204 | 110,0 | 18 | 60 | 60 | - | | |
| HD 112 - 8M 50 | 112 | 7B | - | 285,21 | 283,83 | 260 | 110,0 | 18 | 60 | 60 | - | | |
| HD 144 - 8M 50 | 144 | 7B | - | 366,69 | 365,32 | 342 | 110,0 | 20 | 60 | 60 | - | | |
| HD 168 - 8M 50 | 168 | 7B | - | 427,80 | 426,44 | 403 | 120,0 | 20 | 60 | 60 | - | | |
| HD 192 - 8M 50 | 192 | 7B | - | 488,92 | 487,54 | 465 | 130,0 | 20 | 60 | 60 | - | | |



7B

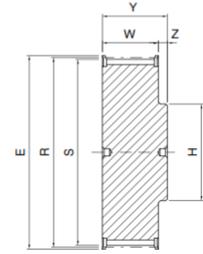
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



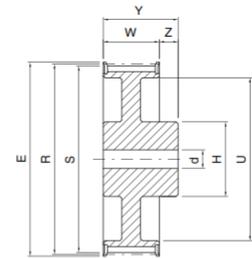
HD ... -8M85

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 | 69,93 | - | 55,0 | - | 95 | 105 | 10 | | |
| HD 30 - 8M 85 | 30 | 1 | 83,0 | 76,39 | 75,02 | - | 60,0 | - | 95 | 105 | 10 | | |
| HD 32 - 8M 85 | 32 | 1 | 87,0 | 81,49 | 80,12 | - | 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 | 7B | - | 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 | - | | |



1

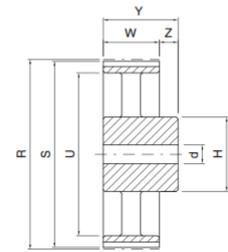


5

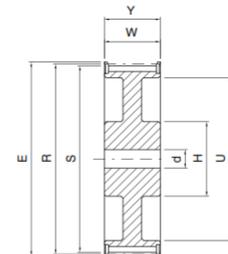
HD ... -14M40

14M

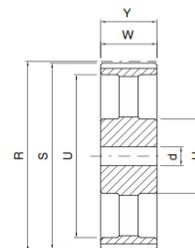
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| HD 28 - 14M 40 | 28 | 1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



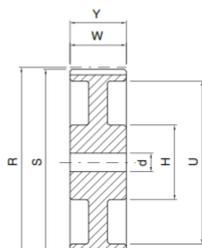
5B



7



7B



7A



Distribuye:

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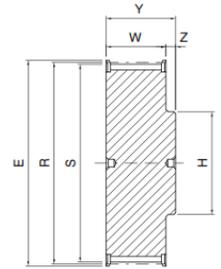
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



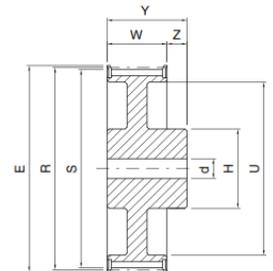
HD ... -14M55

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



1

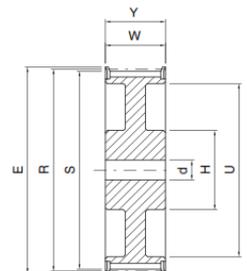


5

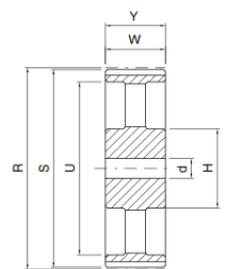
HD ... -14M85

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



7



7B

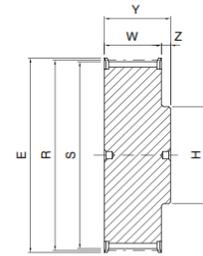
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



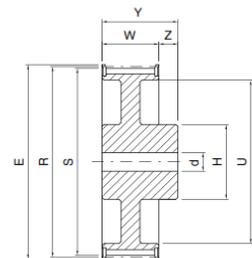
HD ... -14M115

14M

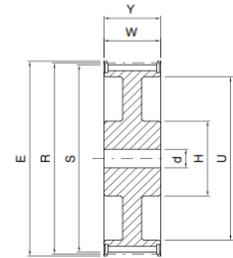
| Code | Teeth nr. | Type | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | d [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------|
| HD 28 - 14M 115 | 28 | 1 | 128,0 | 124,78 | 122,12 | - | 100,0 | - | 133 | 148 | 15 | with flanges | cast iron |
| 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 | 133 | - | | |
| 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 | - | | |



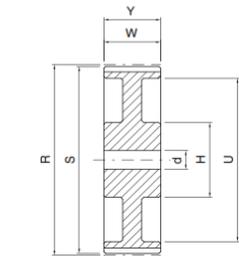
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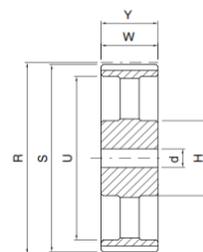
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7



7A



7B

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



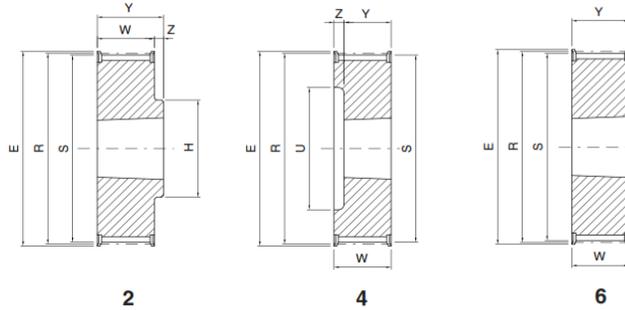
Distribuye:

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



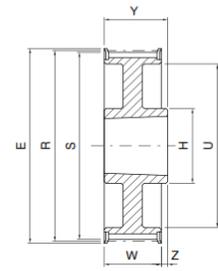
| | |
|-------------------------------------|----------------|
| Part Number | HDB 32 - 8M 20 |
| HTD pulley - mounting taper bushing | |
| Number of teeth | |
| Pitch | |
| Belt width in mm | |



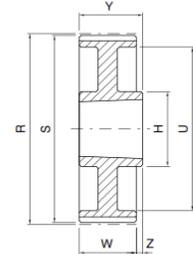
HDB ... -5M15

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 | | |
| HDB 80 - 5M 15 | 80 | 2 | 1610 | 135,0 | 127,32 | 126,18 | - | 92,0 | 20,5 | 25 | 4,5 | | |
| HDB 90 - 5M 15 | 90 | 11A | 1610 | - | 143,24 | 142,10 | 122 | 92,0 | 20,5 | 25 | 4,5 | without flanges | cast iron |
| HDB 112 - 5M 15 | 112 | 11A | 1610 | - | 178,25 | 177,11 | 157 | 110,0 | 20,5 | 25 | 4,5 | | |
| HDB 136 - 5M 15 | 136 | 11A | 2012 | - | 216,45 | 215,31 | 195 | 110,0 | 20,5 | 32 | 5,8 | | |
| HDB 150 - 5M 15 | 150 | 11A | 2012 | - | 238,73 | 237,59 | 217 | 110,0 | 20,5 | 32 | 5,8 | | |



9

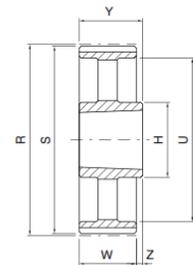


9A

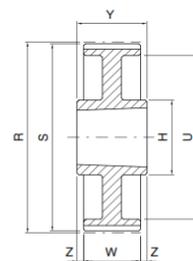
HDB ... -8M20

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 | cast iron |
| 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

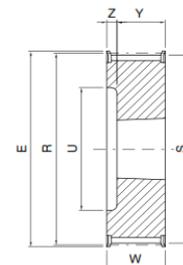
Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



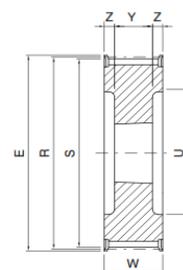
HDB ... -8M30

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 | cast iron |
| HDB 24 - 8M 30 | 24 | 4 | 1108 | 66,0 | 61,12 | 59,74 | 42 | - | 38 | 22 | 16 | | |
| HDB 26 - 8M 30 | 26 | 4 | 1108 | 70,0 | 66,21 | 64,84 | 45 | - | 38 | 22 | 16 | | |
| HDB 28 - 8M 30 | 28 | 4 | 1108 | 75,0 | 71,30 | 70,08 | 52 | - | 38 | 22 | 16 | | |
| HDB 30 - 8M 30 | 30 | 6 | 1615 | 83,0 | 76,39 | 75,13 | - | - | 38 | 38 | - | | |
| HDB 32 - 8M 30 | 32 | 6 | 1615 | 87,0 | 81,49 | 80,16 | - | - | 38 | 38 | - | | |
| HDB 34 - 8M 30 | 34 | 6 | 1615 | 91,0 | 86,58 | 85,21 | - | - | 38 | 38 | - | | |
| HDB 36 - 8M 30 | 36 | 6 | 1615 | 97,0 | 91,67 | 90,30 | - | - | 38 | 38 | - | | |
| HDB 38 - 8M 30 | 38 | 6 | 1615 | 102,0 | 96,77 | 95,39 | - | - | 38 | 38 | - | | |
| HDB 40 - 8M 30 | 40 | 6 | 1615 | 106,0 | 101,86 | 100,49 | - | - | 38 | 38 | - | | |
| HDB 44 - 8M 30 | 44 | 5 | 2012 | 120,0 | 112,05 | 110,67 | 90 | - | 38 | 32 | 3 | | |
| HDB 48 - 8M 30 | 48 | 5 | 2012 | 128,0 | 122,23 | 120,86 | 100 | - | 38 | 32 | 3 | | |
| HDB 56 - 8M 30 | 56 | 5 | 2012 | 150,0 | 142,60 | 141,23 | 118 | - | 38 | 32 | 3 | | |
| HDB 64 - 8M 30 | 64 | 9 | 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 | 125,0 | 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 | | |



4

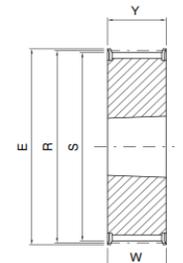


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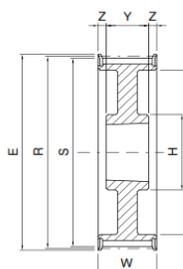
HDB ... -8M50

8M

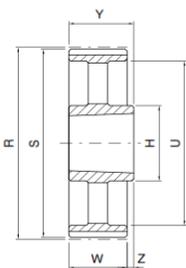
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|-----------------|-----------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----------------|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



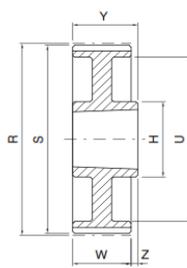
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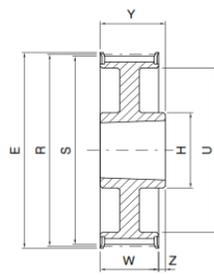
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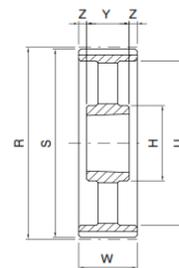
9B



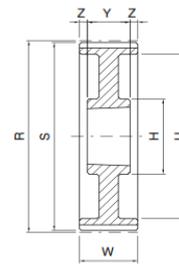
9A



9



8B



8A

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

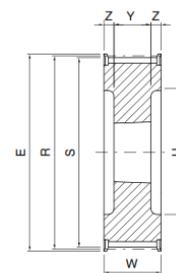


HDB ... -8M85

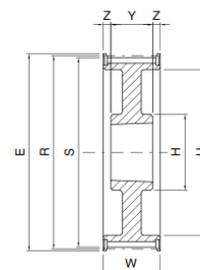


8M

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



5

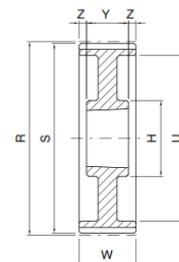


8

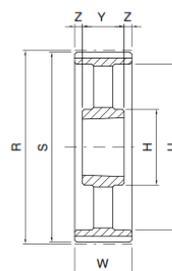
HDB ... -14M40

14M

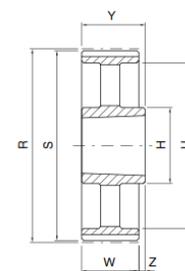
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material |
|------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|--------------|-----------|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



8A



8B



9B



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

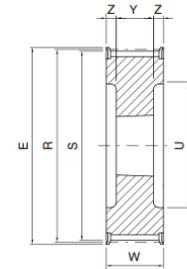


HDB ... -14M55

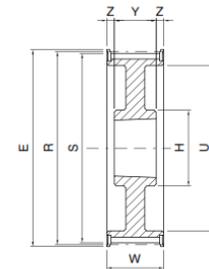


14M

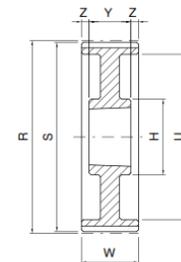
| Code | Teeth nr. | Type | SER-SIT® Taper bushing | E [mm] | R [mm] | S [mm] | U [mm] | H [mm] | W [mm] | Y [mm] | Z [mm] | Flange | Material | |
|------------------|-----------|------|------------------------|--------|---------|---------|--------|--------|--------|--------|--------|-----------------|-----------|--|
| HDB 28 - 14M 55 | 28 | 5 | 2012 | 128,0 | 124,78 | 122,12 | 98 | - | 70 | 32 | 19,0 | with flanges | cast iron | |
| HDB 29 - 14M 55 | 29 | 5 | 2012 | 138,0 | 129,23 | 126,57 | 100 | - | 70 | 32 | 19,0 | | | |
| HDB 30 - 14M 55 | 30 | 5 | 2517 | 138,0 | 133,69 | 130,99 | 100 | - | 70 | 45 | 12,5 | | | |
| HDB 32 - 14M 55 | 32 | 5 | 2517 | 154,0 | 142,60 | 139,88 | 104 | - | 70 | 45 | 12,5 | | | |
| HDB 34 - 14M 55 | 34 | 5 | 2517 | 160,0 | 151,52 | 148,79 | 110 | - | 70 | 45 | 12,5 | | | |
| HDB 36 - 14M 55 | 36 | 5 | 2517 | 168,0 | 160,43 | 157,68 | 120 | - | 70 | 45 | 12,5 | | | |
| HDB 38 - 14M 55 | 38 | 5 | 2517 | 183,0 | 169,34 | 166,60 | 130 | - | 70 | 45 | 12,5 | | | |
| HDB 40 - 14M 55 | 40 | 5 | 2517 | 188,0 | 178,25 | 175,49 | 138 | - | 70 | 45 | 12,5 | | | |
| HDB 44 - 14M 55 | 44 | 5 | 3020 | 211,0 | 196,08 | 193,28 | 154 | - | 70 | 51 | 9,5 | | | |
| HDB 48 - 14M 55 | 48 | 5 | 3020 | 226,0 | 213,90 | 211,11 | 172 | - | 70 | 51 | 9,5 | | | |
| HDB 56 - 14M 55 | 56 | 8 | 3020 | 256,0 | 249,56 | 246,76 | 207 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 64 - 14M 55 | 64 | 8 | 3020 | 296,0 | 285,21 | 282,41 | 243 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 72 - 14M 55 | 72 | 8A | 3020 | - | 320,86 | 318,06 | 279 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 80 - 14M 55 | 80 | 8B | 3020 | - | 356,51 | 353,71 | 314 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 90 - 14M 55 | 90 | 8B | 3020 | - | 401,07 | 398,28 | 359 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 112 - 14M 55 | 112 | 8B | 3020 | - | 499,11 | 496,32 | 457 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 144 - 14M 55 | 144 | 8B | 3020 | - | 641,71 | 638,92 | 600 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 168 - 14M 55 | 168 | 8B | 3020 | - | 748,66 | 745,87 | 705 | 170,0 | 70 | 51 | 9,5 | | | |
| HDB 192 - 14M 55 | 192 | 9B | 3535 | - | 855,62 | 852,82 | 812 | 170,0 | 70 | 89 | 19,0 | | | |
| HDB 216 - 14M 55 | 216 | 9B | 3535 | - | 962,57 | 959,77 | 920 | 190,0 | 70 | 89 | 19,0 | | | |
| HDB 264 - 14M 55 | 264 | 9B | 3535 | - | 1176,47 | 1173,67 | 1133 | 190,0 | 70 | 89 | 19,0 | | | |
| | | | | | | | | | | | | without flanges | | |



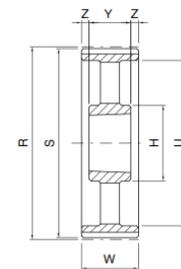
5



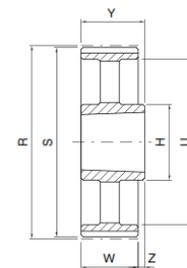
8



8A



8B



9B

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 | cast iron | |
| HDB 29 - 14M 85 | 29 | 5 | 2517 | 138,0 | 129,23 | 126,57 | 100 | - | 102 | 45 | 28,5 | | | |
| HDB 30 - 14M 85 | 30 | 5 | 2517 | 138,0 | 133,69 | 130,99 | 100 | - | 102 | 45 | 28,5 | | | |
| HDB 32 - 14M 85 | 32 | 5 | 2517 | 154,0 | 142,60 | 139,88 | 104 | - | 102 | 45 | 28,5 | | | |
| HDB 34 - 14M 85 | 34 | 5 | 2517 | 160,0 | 151,52 | 148,79 | 110 | - | 102 | 45 | 28,5 | | | |
| HDB 36 - 14M 85 | 36 | 5 | 3020 | 168,0 | 160,43 | 157,68 | 120 | - | 102 | 51 | 25,5 | | | |
| HDB 38 - 14M 85 | 38 | 5 | 3020 | 183,0 | 169,34 | 166,60 | 130 | - | 102 | 51 | 25,5 | | | |
| HDB 40 - 14M 85 | 40 | 5 | 3020 | 188,0 | 178,25 | 175,49 | 138 | - | 102 | 51 | 25,5 | | | |
| HDB 44 - 14M 85 | 44 | 5 | 3030 | 211,0 | 196,08 | 193,28 | 154 | - | 102 | 76 | 13,0 | | | |
| HDB 48 - 14M 85 | 48 | 5 | 3030 | 226,0 | 213,90 | 211,11 | 172 | - | 102 | 76 | 13,0 | | | |
| HDB 56 - 14M 85 | 56 | 5 | 3535 | 256,0 | 249,56 | 246,76 | 207 | - | 102 | 89 | 6,5 | | | |
| HDB 64 - 14M 85 | 64 | 8 | 3535 | 296,0 | 285,21 | 282,41 | 243 | 178,0 | 102 | 89 | 6,5 | | | |
| HDB 72 - 14M 85 | 72 | 8B | 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 | 190,0 | 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 | 190,0 | 102 | 89 | 6,5 | | | |
| HDB 192 - 14M 85 | 192 | 8B | 4040 | - | 855,62 | 852,82 | 812 | 190,0 | 102 | 102 | - | | | |
| HDB 216 - 14M 85 | 216 | 8B | 4040 | - | 962,57 | 959,77 | 920 | 190,0 | 102 | 102 | - | | | |
| HDB 264 - 14M 85 | 264 | 8B | 4040 | - | 1176,47 | 1173,67 | 1133 | 190,0 | 102 | 102 | - | | | |
| | | | | | | | | | | | | without flanges | | |



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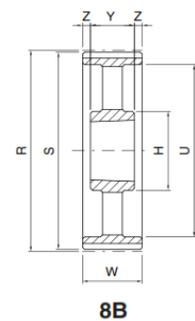
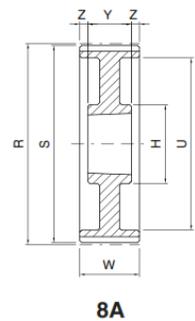
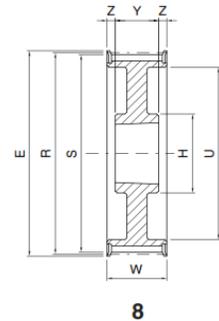
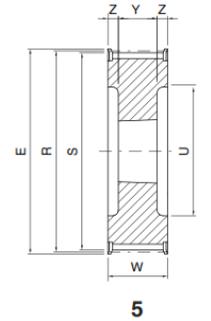
Dimensions of timing pulleys TOP DRIVE® HTD - mounting taper bushing SER-SIT®



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 | cast iron |
| 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 | 190,0 | 133 | 89 | 22,0 | | |
| HDB 72 - 14M 115 | 72 | 8A | 3535 | - | 320,86 | 318,06 | 279 | 190,0 | 133 | 89 | 22,0 | | |
| HDB 80 - 14M 115 | 80 | 8B | 3535 | - | 356,51 | 353,71 | 314 | 190,0 | 133 | 89 | 22,0 | | |
| HDB 90 - 14M 115 | 90 | 8B | 3535 | - | 401,07 | 398,28 | 359 | 190,0 | 133 | 89 | 22,0 | | |
| HDB 112 - 14M 115 | 112 | 8B | 3535 | - | 499,11 | 496,32 | 457 | 190,0 | 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 | 230,0 | 133 | 102 | 15,5 | | |
| HDB 192 - 14M 115 | 192 | 8B | 4040 | - | 855,62 | 852,82 | 812 | 230,0 | 133 | 102 | 15,5 | | |
| HDB 216 - 14M 115 | 216 | 8B | 4040 | - | 962,57 | 959,77 | 920 | 230,0 | 133 | 102 | 15,5 | | |
| HDB 264 - 14M 115 | 264 | 8B | 5050 | - | 1176,47 | 1173,67 | 1133 | 230,0 | 133 | 127 | 3,0 | | |



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 | cast iron |
| HDB 40 - 14M 170 | 40 | 5 | 3030 | 188,0 | 178,25 | 175,49 | 138 | - | 187 | 76 | 55,5 | | |
| HDB 44 - 14M 170 | 44 | 5 | 3535 | 211,0 | 196,08 | 193,28 | 154 | - | 187 | 89 | 49,0 | | |
| HDB 48 - 14M 170 | 48 | 5 | 3535 | 226,0 | 213,90 | 211,11 | 172 | - | 187 | 89 | 49,0 | | |
| HDB 56 - 14M 170 | 56 | 5 | 3535 | 256,0 | 249,56 | 246,76 | 207 | - | 187 | 89 | 49,0 | | |
| HDB 64 - 14M 170 | 64 | 5 | 4040 | 296,0 | 285,21 | 282,41 | 243 | - | 187 | 102 | 42,5 | | |
| HDB 72 - 14M 170 | 72 | 8A | 4040 | - | 320,86 | 318,06 | 280 | 230,0 | 187 | 102 | 42,5 | | |
| HDB 80 - 14M 170 | 80 | 8A | 4040 | - | 356,51 | 353,71 | 314 | 230,0 | 187 | 102 | 42,5 | | |
| HDB 90 - 14M 170 | 90 | 8B | 4040 | - | 401,07 | 398,28 | 359 | 230,0 | 187 | 102 | 42,5 | | |
| HDB 112 - 14M 170 | 112 | 8B | 5050 | - | 499,11 | 496,32 | 457 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 144 - 14M 170 | 144 | 8B | 5050 | - | 641,71 | 638,92 | 600 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 168 - 14M 170 | 168 | 8B | 5050 | - | 748,66 | 745,87 | 705 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 192 - 14M 170 | 192 | 8B | 5050 | - | 855,62 | 852,82 | 812 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 216 - 14M 170 | 216 | 8B | 5050 | - | 962,57 | 959,77 | 920 | 265,0 | 187 | 127 | 30,0 | | |
| HDB 264 - 14M 170 | 264 | 8B | 5050 | - | 1176,47 | 1173,67 | 1133 | 265,0 | 187 | 127 | 30,0 | | |



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