



V-BELT PULLEYS

V-BELT PULLEYS FOR TAPER BUSHES

| | |
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| SPZ | page 5 |
| SPA | 9 |
| SPB | 13 |
| SPC | 18 |

V-BELT PULLEYS PILOT BORE

| | |
|------------|----|
| SPA | 23 |
| SPB | 25 |
| SPC | 28 |

V-BELT PULLEYS FOR LOCKING DEVICES

| | |
|------------|----|
| SPA | 30 |
| SPB | 31 |
| SPC | 33 |

ADJUSTABLE V-BELT PULLEY PRB TYPE 34

| | |
|-------------------------------------|----|
| V-BELT PULLEYS PPV-J MICRO V | 39 |
|-------------------------------------|----|

| | |
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| V-BELT PULLEYS PPV-L MICRO V | 40 |
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CAST- IRON V-BELT PULLEYS





CAST- IRON V-BELT PULLEYS

All V-belt pulleys are compliant with current legislation and are made of cast iron **GG 20** with protective phosphate.

Running in normal standard, the pulleys are statically balanced and this is sufficient for peripheral speeds up to **25 m/s**.

For higher speeds is essential dynamic balancing can be provided on request.

The Chiaravalli Group SpA is able to perform, upon request, balancing pulleys with diameters up to 630, with balancing CNC, accompanying certificate of balancing performed.

Over 35 m / sec, the pulleys in cast iron are not the most suitable and it requires the use of high-strength material.

D = diameter in meters

N = number of revolutions per minute

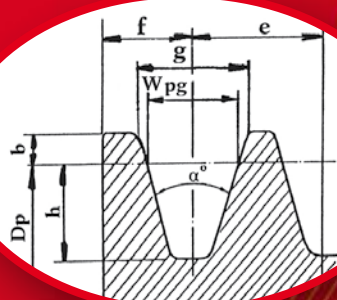
$$V_p = \frac{\pi \cdot D \cdot n}{60} = \frac{D \cdot n}{19,1} \text{ m/sec.}$$

Dimensions shown on the dimensional tables are not binding even if they are respected as far as possible.

We reserve the right to make variations and modifications without prior notice.

FEATURES OF THE GORGE

| PROFILE | Dp mm | α° | W pg | g | h | b mm | f | e |
|------------|----------|-----|------|------|----|---------|------|------|
| SPZ | < 80 | 34° | 8,5 | 9,7 | 9 | 2 | 8 | 12 |
| | > 80 | 38° | | | | | | |
| SPA | < 118 | 34° | 11 | 12,7 | 11 | 2,8 | 10 | 15 |
| | > 118 | 38° | | | | | | |
| SPB | < 190 | 34° | 14 | 16,3 | 14 | 3,5 | 12,5 | 19 |
| | > 190 | 38° | | | | | | |
| SPC | < 315 | 34° | 19 | 22,0 | 19 | 4,8 | 17 | 25,5 |
| | > 315 | 38° | | | | | | |



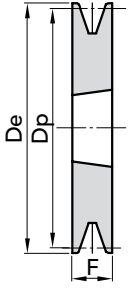
BAND WIDTH

| N° GROOVES | SPZ | SPA | SPB | SPC |
|------------|-----|-----|-----|------|
| 1 | 16 | 20 | 25 | 34 |
| 2 | 28 | 35 | 44 | 59,5 |
| 3 | 40 | 50 | 63 | 85 |
| 4 | 52 | 65 | 82 | 111 |
| 5 | 64 | 80 | 101 | 136 |
| 6 | | 95 | 120 | 162 |
| 8 | | | 158 | 213 |
| 10 | | | 196 | 264 |

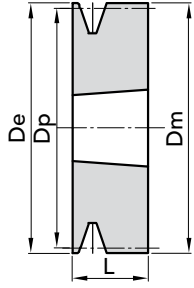
V-BELT PULLEYS for TAPER BUSHES



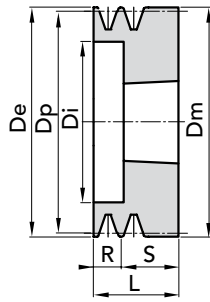
V-BELT PULLEYS for TAPER BUSHES



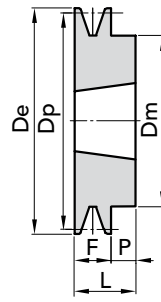
EXEC. 1



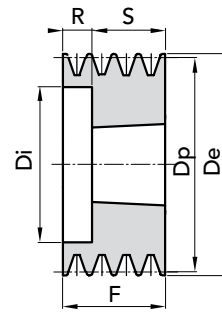
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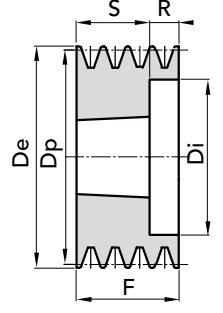
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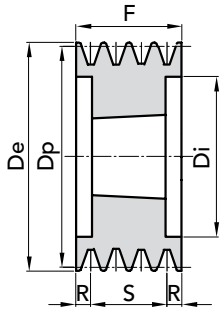
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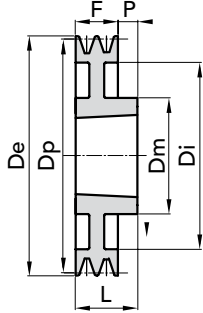
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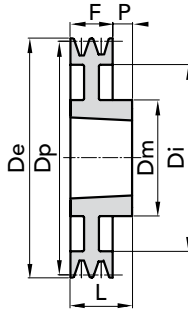
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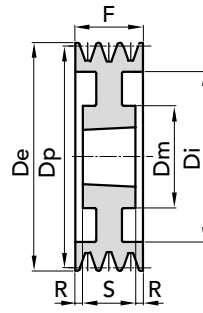
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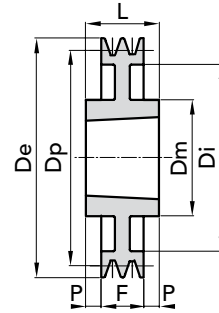
EXEC. 8



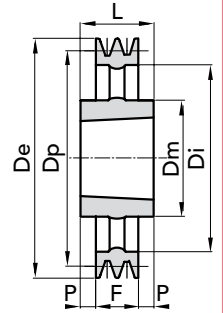
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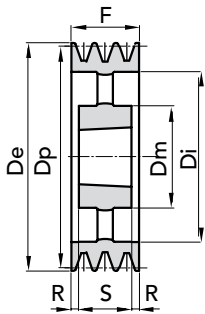
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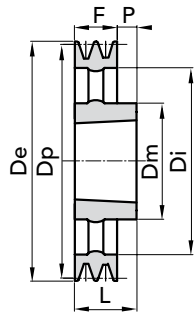
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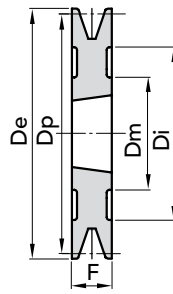
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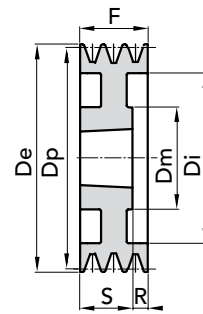
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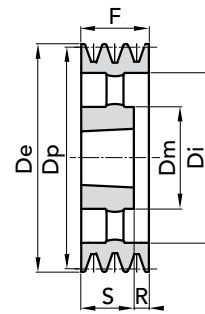
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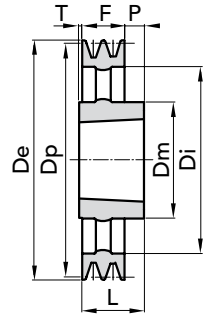
EXEC. 14



EXEC. 15



EXEC. 16



EXEC. 17



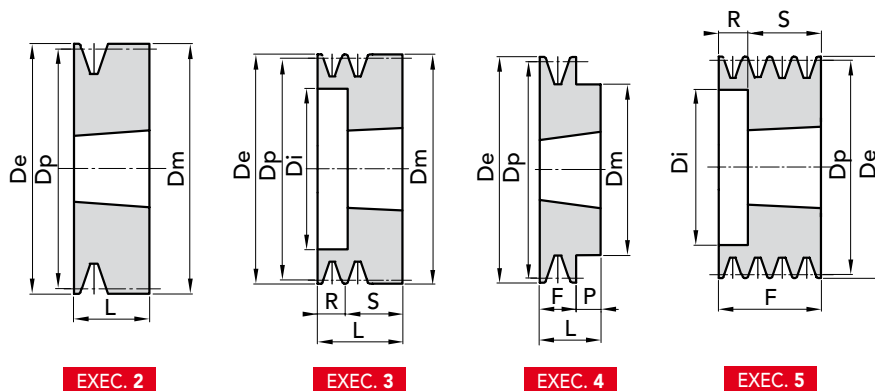
V-BELT PULLEYS for TAPER BUSHES

5

TAPER BUSHES

SPZ TYPE

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.



EXEC. 2

EXEC. 3

EXEC. 4

EXEC. 5

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|----|----|---|----|----|--------|
| GROOVES | | | | | | | | | | | | | |
| Kg. | | | | | | | | | | | | | |
| 60 | 91100601 | 1 | 2 | 1108 | 64,6 | | 64,6 | | 22 | | | | 0,50 |
| | 91100602 | 2 | 3 | 1108 | 64,6 | 36 | 64,6 | | 49 | | 27 | 22 | 0,60 |
| 63 | 91100631 | 1 | 4 | 1108 | 67,6 | | 62 | 16 | 22 | 6 | | | 0,40 |
| | 91100632 | 2 | 5 | 1108 | 67,6 | 40 | | 28 | | | 6 | 22 | 0,50 |
| | 91100633 | 3 | 5 | 1108 | 67,6 | 40 | | 40 | | | 18 | 22 | 0,50 |
| 67 | 91100671 | 1 | 4 | 1108 | 71,6 | | 62 | 16 | 22 | 6 | | | 0,50 |
| | 91100672 | 2 | 5 | 1108 | 71,6 | 42 | | 28 | | | 6 | 22 | 0,50 |
| | 91100673 | 3 | 5 | 1108 | 71,6 | 42 | | 40 | | | 18 | 22 | 0,70 |
| 71 | 91100711 | 1 | 4 | 1108 | 75,6 | | 62 | 16 | 22 | 6 | | | 0,50 |
| | 91100712 | 2 | 5 | 1108 | 75,6 | 42 | | 28 | | | 6 | 22 | 0,50 |
| | 91100713 | 3 | 5 | 1108 | 75,6 | 42 | | 40 | | | 18 | 22 | 0,70 |
| 75 | 91100751 | 1 | 4 | 1108 | 79,6 | | 62 | 16 | 22 | 6 | | | 0,60 |
| | 91100752 | 2 | 5 | 1210 | 79,6 | 51 | | 28 | | | 3 | 25 | 0,60 |
| | 91100753 | 3 | 5 | 1210 | 79,6 | 48 | | 40 | | | 15 | 25 | 0,80 |
| 80 | 91100801 | 1 | 4 | 1210 | 84,6 | | 75 | 16 | 25 | 9 | | | 0,60 |
| | 91100802 | 2 | 5 | 1210 | 84,6 | 51 | | 28 | | | 3 | 25 | 0,70 |
| | 91100803 | 3 | 5 | 1210 | 84,6 | 51 | | 40 | | | 15 | 25 | 0,80 |
| | 91100804 | 4 | 5 | 1210 | 84,6 | 51 | | 52 | | | 27 | 25 | 0,90 |
| 85 | 91100851 | 1 | 4 | 1210 | 89,6 | | 75 | 16 | 25 | 9 | | | 0,80 |
| | 91100852 | 2 | 5 | 1610 | 89,6 | 60 | | 28 | | | 3 | 25 | 0,70 |
| | 91100853 | 3 | 5 | 1610 | 89,6 | 60 | | 40 | | | 15 | 25 | 0,80 |
| | 91100854 | 4 | 5 | 1610 | 89,6 | 60 | | 42 | | | 27 | 25 | 1,00 |
| | 91100855 | 5 | 5 | 1610 | 89,6 | 60 | | 64 | | | 39 | 25 | 1,30 |
| 90 | 91100901 | 1 | 4 | 1210 | 94,6 | | 75 | 16 | 25 | 9 | | | 0,80 |
| | 91100902 | 2 | 5 | 1610 | 94,6 | 61 | | 28 | | | 3 | 25 | 0,80 |
| | 91100903 | 3 | 5 | 1610 | 94,6 | 61 | | 40 | | | 15 | 25 | 0,90 |
| | 91100904 | 4 | 5 | 1610 | 94,6 | 61 | | 42 | | | 27 | 25 | 1,10 |
| | 91100905 | 5 | 5 | 1610 | 94,6 | 61 | | 64 | | | 39 | 25 | 1,40 |
| 95 | 91100951 | 1 | 4 | 1210 | 99,6 | | 75 | 16 | 25 | 9 | | | 0,90 |
| | 91100952 | 2 | 5 | 1610 | 99,6 | 66 | | 28 | | | 3 | 25 | 0,80 |
| | 91100953 | 3 | 5 | 1610 | 99,6 | 66 | | 40 | | | 15 | 25 | 1,10 |
| | 91100954 | 4 | 5 | 1610 | 99,6 | 66 | | 52 | | | 27 | 25 | 1,30 |
| | 91100955 | 5 | 5 | 1610 | 99,6 | 66 | | 64 | | | 39 | 25 | 1,50 |
| 100 | 91101001 | 1 | 4 | 1210 | 104,6 | | 75 | 16 | 25 | 9 | | | 0,90 |
| | 91101002 | 2 | 5 | 1610 | 104,6 | 71 | | 28 | | | 3 | 25 | 1,20 |
| | 91101003 | 3 | 5 | 1610 | 104,6 | 71 | | 40 | | | 15 | 25 | 1,20 |
| | 91101004 | 4 | 5 | 1610 | 104,6 | 72 | | 52 | | | 27 | 25 | 1,40 |
| | 91101005 | 5 | 5 | 2012 | 104,6 | 72 | | 64 | | | 32 | 32 | 1,60 |
| 106 | 91101061 | 1 | 4 | 1610 | 110,6 | | 80 | 16 | 25 | 9 | | | 1,00 |
| | 91101062 | 2 | 5 | 1610 | 110,6 | 76 | | 28 | | | 3 | 25 | 1,20 |
| | 91101063 | 3 | 5 | 1610 | 110,6 | 78 | | 40 | | | 15 | 25 | 1,40 |
| | 91101064 | 4 | 5 | 1610 | 110,6 | 80 | | 52 | | | 27 | 25 | 1,60 |
| | 91101065 | 5 | 5 | 2012 | 110,6 | 78 | | 64 | | | 32 | 32 | 1,80 |

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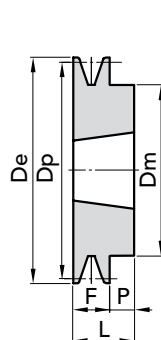


V-BELT PULLEYS for TAPER BUSHES

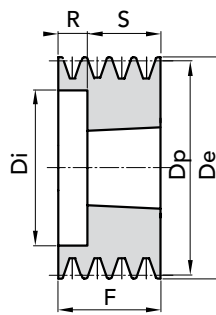
TAPER BUSHES

SPZ TYPE

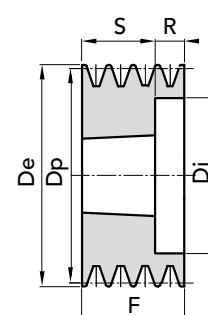
We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.



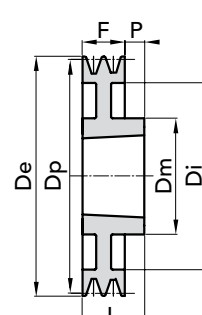
EXEC. 4



EXEC. 5



EXEC. 6



EXEC. 8

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|----|----|---|----|----|--------|
| GROOVES | | | | | | | | | | | | | |
| Kg. | | | | | | | | | | | | | |
| 112 | 91101121 | 1 | 4 | 1610 | 116,6 | | 80 | 16 | 25 | 9 | | | 1,10 |
| | 91101122 | 2 | 5 | 1610 | 116,6 | 84 | | 28 | | | 3 | 25 | 1,30 |
| | 91101123 | 3 | 5 | 2012 | 116,6 | 84 | | 40 | | | 8 | 32 | 1,50 |
| | 91101124 | 4 | 5 | 2012 | 116,6 | 86 | | 52 | | | 20 | 32 | 1,60 |
| | 91101125 | 5 | 5 | 2012 | 116,6 | 84 | | 64 | | | 32 | 32 | 1,90 |
| 118 | 91101181 | 1 | 4 | 1610 | 122,6 | | 80 | 16 | 25 | 9 | | | 1,30 |
| | 91101182 | 2 | 5 | 1610 | 122,6 | 90 | | 28 | | | 3 | 25 | 1,40 |
| | 91101183 | 3 | 5 | 2012 | 122,6 | 92 | | 40 | | | 8 | 32 | 1,60 |
| | 91101184 | 4 | 5 | 2012 | 122,6 | 92 | | 52 | | | 20 | 32 | 1,90 |
| | 91101185 | 5 | 5 | 2012 | 122,6 | 90 | | 64 | | | 32 | 32 | 2,40 |
| 125 | 91101251 | 1 | 4 | 1610 | 129,6 | | 80 | 16 | 25 | 9 | | | 1,40 |
| | 91101252 | 2 | 5 | 1610 | 129,6 | 97 | | 28 | | | 3 | 25 | 1,70 |
| | 91101253 | 3 | 6 | 2012 | 129,6 | 97 | | 40 | | | 8 | 32 | 2,00 |
| | 91101254 | 4 | 6 | 2012 | 129,6 | 99 | | 52 | | | 20 | 32 | 2,20 |
| | 91101255 | 5 | 5 | 2012 | 129,6 | 97 | | 64 | | | 32 | 32 | 2,80 |
| 132 | 91101321 | 1 | 4 | 1610 | 136,6 | | 80 | 16 | 25 | 9 | | | 1,50 |
| | 91101322 | 2 | 5 | 1610 | 136,6 | 104 | | 28 | | | 3 | 25 | 2,00 |
| | 91101323 | 3 | 6 | 2012 | 136,6 | 104 | | 40 | | | 8 | 32 | 2,40 |
| | 91101324 | 4 | 6 | 2012 | 136,6 | 104 | | 52 | | | 20 | 32 | 2,60 |
| | 91101325 | 5 | 5 | 2517 | 136,6 | 104 | | 64 | | | 19 | 45 | 2,80 |
| 140 | 91101401 | 1 | 4 | 1610 | 144,6 | | 80 | 16 | 25 | 9 | | | 1,50 |
| | 91101402 | 2 | 5 | 1610 | 144,6 | 112 | | 28 | | | 3 | 25 | 2,20 |
| | 91101403 | 3 | 6 | 2012 | 144,6 | 112 | | 40 | | | 8 | 32 | 2,80 |
| | 91101404 | 4 | 6 | 2012 | 144,6 | 112 | | 52 | | | 20 | 32 | 3,00 |
| | 91101405 | 5 | 6 | 2517 | 144,6 | 112 | | 64 | | | 19 | 45 | 3,20 |
| 150 | 91101501 | 1 | 4 | 1610 | 154,6 | | 80 | 16 | 25 | 9 | | | 1,60 |
| | 91101502 | 2 | 4 | 2012 | 154,6 | | 100 | 28 | 32 | 4 | | | 2,30 |
| | 91101503 | 3 | 6 | 2012 | 154,6 | 122 | | 40 | | | 8 | 32 | 3,40 |
| | 91101504 | 4 | 6 | 2517 | 154,6 | 122 | | 52 | | | 7 | 45 | 3,60 |
| | 91101505 | 5 | 6 | 2517 | 154,6 | 122 | | 64 | | | 19 | 45 | 3,90 |
| 160 | 91101601 | 1 | 4 | 1610 | 164,6 | | 80 | 16 | 25 | 9 | | | 1,70 |
| | 91101602 | 2 | 4 | 2012 | 164,6 | | 100 | 28 | 32 | 4 | | | 3,10 |
| | 91101603 | 3 | 6 | 2012 | 164,6 | 132 | | 40 | | | 8 | 32 | 3,60 |
| | 91101604 | 4 | 6 | 2517 | 164,6 | 132 | | 52 | | | 7 | 45 | 4,50 |
| | 91101605 | 5 | 6 | 2517 | 164,6 | 132 | | 64 | | | 19 | 45 | 4,70 |
| 180 | 91101801 | 1 | 4 | 1610 | 184,6 | | 80 | 16 | 25 | 9 | | | 2,00 |
| | 91101802 | 2 | 8 | 2012 | 184,6 | 152 | 100 | 28 | 32 | 4 | | | 2,90 |
| | 91101803 | 3 | 6 | 2012 | 184,6 | 152 | | 40 | | | 8 | 32 | 3,70 |
| | 91101804 | 4 | 6 | 2517 | 184,6 | 152 | | 52 | | | 7 | 45 | 6,30 |
| | 91101805 | 5 | 6 | 2517 | 184,6 | 152 | | 64 | | | 19 | 45 | 6,80 |

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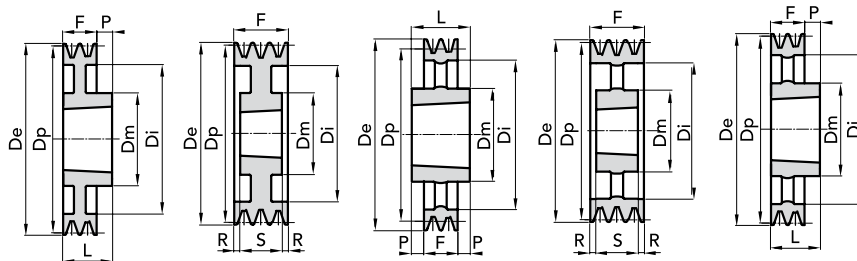
V-BELT PULLEYS for TAPER BUSHES

7

TAPER BUSHES

SECTION **SPZ**

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ESEC. 8

ESEC. 9

ESEC. 11

ESEC. 12

ESEC. 13

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|----|----|------|-----|----|--------|
| GROOVES | | | | | | | | | | | | | Kg. |
| 190 | 91101902 | 2 | 8 | 2012 | 194,6 | 160 | 100 | 28 | 32 | 4 | | | 3,10 |
| | 91101903 | 3 | 9 | 2012 | 194,6 | 160 | 105 | 40 | | | 4 | 32 | 3,40 |
| | 91101904 | 4 | 9 | 2517 | 194,6 | 160 | 120 | 52 | | | 3,5 | 45 | 5,30 |
| 200 | 91102001 | 1 | 8 | 2012 | 204,6 | 172 | 100 | 16 | 32 | 16 | | | 3,40 |
| | 91102002 | 2 | 8 | 2012 | 204,6 | 172 | 100 | 28 | 32 | 4 | | | 3,50 |
| | 91102003 | 3 | 9 | 2012 | 204,6 | 172 | 100 | 40 | | | 4 | 32 | 4,30 |
| | 91102004 | 4 | 9 | 2517 | 204,6 | 172 | 120 | 52 | | | 3,5 | 45 | 5,40 |
| | 91102005 | 5 | 9 | 2517 | 204,6 | 172 | 120 | 64 | | | 9,5 | 45 | 8,80 |
| 224 | 91102241 | 1 | 8 | 2012 | 228,6 | 196 | 100 | 16 | 32 | 16 | | | 3,60 |
| | 91102242 | 2 | 8 | 2012 | 228,6 | 196 | 100 | 28 | 32 | 4 | | | 4,50 |
| | 91102243 | 3 | 9 | 2012 | 228,6 | 196 | 100 | 40 | | | 4 | 32 | 5,40 |
| | 91102244 | 4 | 9 | 2517 | 228,6 | 196 | 120 | 52 | | | 3,5 | 45 | 7,00 |
| | 91102245 | 5 | 9 | 2517 | 228,6 | 196 | 120 | 64 | | | 9,5 | 45 | 8,80 |
| 250 | 91102501 | 1 | 11 | 2012 | 254,6 | 222 | 100 | 16 | 32 | 8 | | | 4,60 |
| | 91102502 | 2 | 11 | 2012 | 254,6 | 222 | 100 | 28 | 32 | 2 | | | 5,40 |
| | 91102503 | 3 | 12 | 2012 | 254,6 | 222 | 100 | 40 | | | 4 | 32 | 6,40 |
| | 91102504 | 4 | 12 | 2517 | 254,6 | 222 | 120 | 52 | | | 3,5 | 45 | 8,00 |
| | 91102505 | 5 | 12 | 2517 | 254,6 | 222 | 120 | 64 | | | 9,5 | 45 | 9,00 |
| 280 | 91102801 | 1 | 11 | 2012 | 284,6 | 252 | 100 | 16 | 32 | 8 | | | 5,50 |
| | 91102802 | 2 | 11 | 2012 | 284,6 | 252 | 100 | 28 | 32 | 2 | | | 6,20 |
| | 91102803 | 3 | 11 | 2517 | 284,6 | 252 | 120 | 40 | 45 | 2,5 | | | 8,30 |
| | 91102804 | 4 | 12 | 2517 | 284,6 | 252 | 120 | 52 | | | 3,5 | 45 | 9,50 |
| | 91102805 | 5 | 12 | 2517 | 284,6 | 252 | 120 | 64 | | | 9,5 | 45 | 11,00 |
| 315 | 91103151 | 1 | 11 | 2012 | 319,6 | 287 | 100 | 16 | 32 | 8 | | | 6,70 |
| | 91103152 | 2 | 11 | 2012 | 319,6 | 287 | 100 | 28 | 32 | 2 | | | 7,20 |
| | 91103153 | 3 | 11 | 2517 | 319,6 | 287 | 120 | 40 | 45 | 2,5 | | | 10,10 |
| | 91103154 | 4 | 12 | 2517 | 319,6 | 287 | 120 | 52 | | | 3,5 | 45 | 12,10 |
| | 91103155 | 5 | 12 | 2517 | 319,6 | 287 | 120 | 64 | | | 9,5 | 45 | 13,30 |
| 355 | 91103551 | 1 | 11 | 2012 | 359,6 | 326 | 100 | 16 | 32 | 8 | | | 6,80 |
| | 91103552 | 2 | 11 | 2012 | 359,6 | 326 | 100 | 28 | 32 | 2 | | | 8,60 |
| | 91103553 | 3 | 11 | 2517 | 359,6 | 326 | 120 | 40 | 45 | 2,5 | | | 11,70 |
| | 91103554 | 4 | 12 | 2517 | 359,6 | 326 | 120 | 52 | | | 3,5 | 45 | 12,80 |
| | 91103555 | 5 | 12 | 2517 | 359,6 | 326 | 120 | 64 | | | 9,5 | 45 | 13,00 |
| 400 | 91104001 | 1 | 11 | 2012 | 404,6 | 371 | 112 | 16 | 32 | 8 | | | 6,90 |
| | 91104002 | 2 | 11 | 2517 | 404,6 | 371 | 125 | 28 | 45 | 8,5 | | | 9,90 |
| | 91104003 | 3 | 11 | 2517 | 404,6 | 371 | 125 | 40 | 45 | 2,5 | | | 13,30 |
| | 91104004 | 4 | 12 | 2517 | 404,6 | 371 | 125 | 52 | 45 | | 3,5 | | 13,60 |
| | 91104005 | 5 | 12 | 3020 | 404,6 | 371 | 158 | 64 | 51 | | 6,5 | | 15,60 |
| 450 | 91104501 | 1 | 11 | 2517 | 454,6 | 421 | 125 | 16 | 45 | 14,5 | | | 7,20 |
| | 91104502 | 2 | 11 | 2517 | 454,6 | 421 | 125 | 28 | 45 | 8,5 | | | 11,20 |
| | 91104503 | 3 | 11 | 2517 | 454,6 | 421 | 125 | 40 | 45 | 2,5 | | | 14,60 |
| | 91104504 | 4 | 12 | 3020 | 454,6 | 421 | 158 | 52 | 51 | | 0,5 | | 14,50 |
| | 91104505 | 5 | 12 | 3020 | 454,6 | 421 | 158 | 64 | 51 | | 8,5 | | 19,00 |
| 500 | 91105002 | 2 | 11 | 2517 | 504,6 | 471 | 125 | 28 | 45 | 8,5 | | | 10,50 |
| | 91105003 | 3 | 11 | 2517 | 504,6 | 471 | 125 | 40 | 45 | 2,5 | | | 15,80 |
| | 91105004 | 4 | 12 | 3020 | 504,6 | 471 | 158 | 52 | 51 | | 0,5 | | 17,34 |
| | 91105005 | 5 | 12 | 3030 | 504,6 | 471 | 148 | 64 | 76 | 6 | | | 22,60 |

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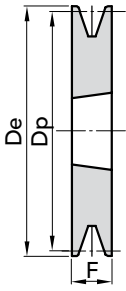
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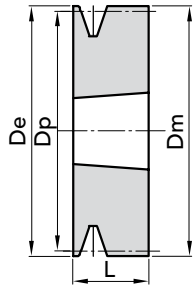
V-BELT PULLEYS for TAPER BUSHES



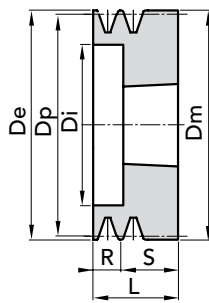
V-BELT PULLEYS for TAPER BUSHES



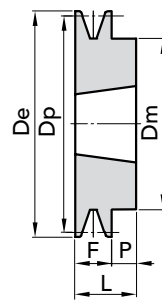
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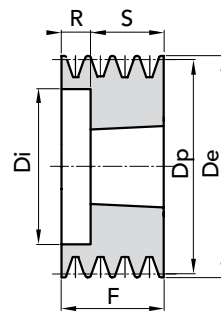
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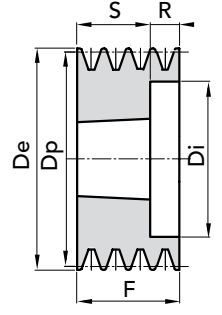
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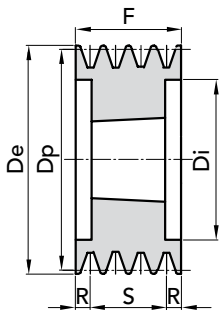
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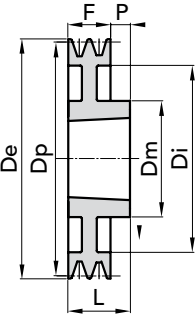
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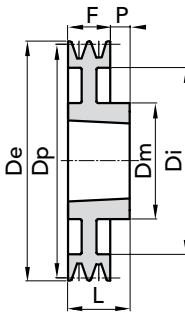
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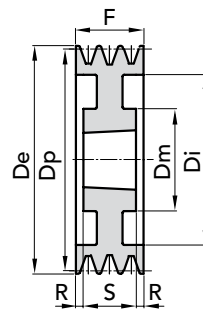
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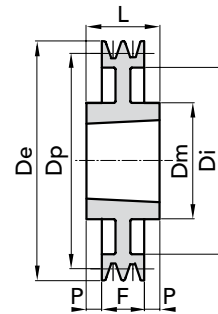
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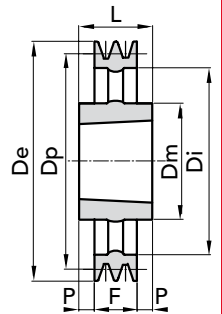
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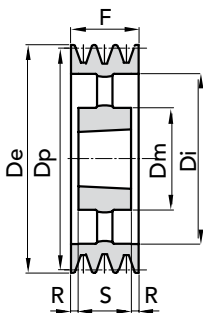
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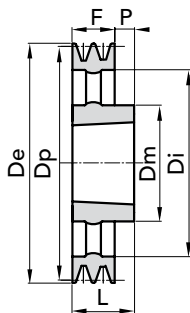
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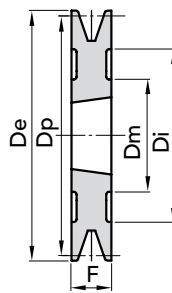
EXEC. 11



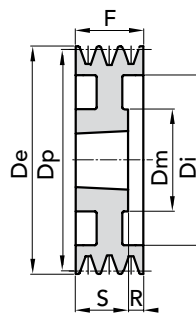
EXEC. 12



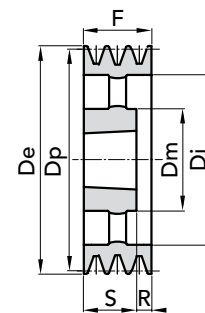
EXEC. 13



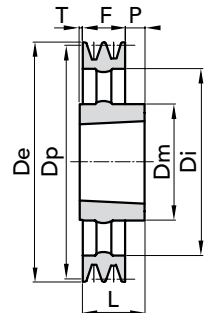
EXEC. 14



EXEC. 15



EXEC. 16



EXEC. 17



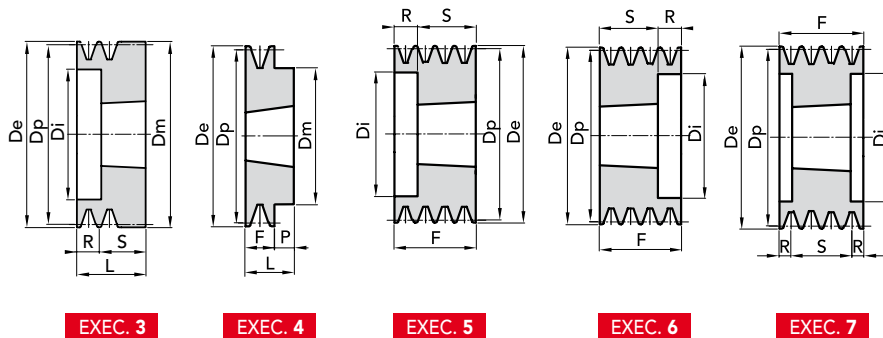
V-BELT PULLEYS for TAPER BUSHES

9

TAPER BUSHES

SPA TYPE

We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.



EXEC. 3

EXEC. 4

EXEC. 5

EXEC. 6

EXEC. 7

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|----|----|---|------|----|--------|
| GROOVES | | | | | | | | | | | | | Kg. |
| 63 | 91200631 | 1 | 3 | 1008 | 69,1 | 37 | 56 | 20 | 40 | 2 | 18 | 22 | 0,80 |
| 71 | 91200711 | 1 | 4 | 1108 | 77,1 | | 62 | 20 | 22 | 2 | | | 0,50 |
| | 91200712 | 2 | 5 | 1108 | 77,1 | 40 | 62 | 35 | 22 | 2 | 13 | 22 | 0,60 |
| | 91200713 | 3 | 5 | 1108 | 77,1 | 40 | 62 | 50 | 22 | | 28 | 22 | 0,80 |
| 75 | 91200751 | 1 | 4 | 1108 | 81,1 | | 62 | 20 | 22 | 2 | | | 0,60 |
| | 91200752 | 2 | 5 | 1108 | 81,1 | 44 | 62 | 35 | 22 | | 13 | 22 | 0,70 |
| | 91200753 | 3 | 5 | 1108 | 81,1 | 44 | 62 | 50 | 22 | | 28 | 22 | 0,90 |
| 80 | 91200801 | 1 | 4 | 1210 | 86,1 | | 75 | 20 | 25 | 5 | | | 0,70 |
| | 91200802 | 2 | 5 | 1210 | 86,1 | 47 | 75 | 35 | 25 | | 10 | 25 | 0,70 |
| | 91200803 | 3 | 5 | 1210 | 86,1 | 47 | 75 | 50 | 25 | | 25 | 25 | 1,10 |
| 85 | 91200851 | 1 | 4 | 1210 | 91,1 | | 75 | 20 | 25 | 5 | | | 0,70 |
| | 91200852 | 2 | 5 | 1210 | 91,1 | 50 | 75 | 35 | 25 | | 10 | 25 | 0,80 |
| | 91200853 | 3 | 5 | 1210 | 91,1 | 50 | 75 | 50 | 25 | | 25 | 25 | 1,20 |
| 90 | 91200901 | 1 | 4 | 1210 | 96,1 | | 75 | 20 | 25 | 5 | | | 0,80 |
| | 91200902 | 2 | 5 | 1610 | 96,1 | 60 | 75 | 35 | 25 | | 10 | 25 | 0,90 |
| | 91200903 | 3 | 5 | 1610 | 96,1 | 60 | 75 | 50 | 25 | | 25 | 25 | 1,30 |
| 95 | 91200951 | 1 | 4 | 1210 | 101,1 | | 75 | 20 | 25 | 5 | | | 0,90 |
| | 91200952 | 2 | 5 | 1610 | 101,1 | 64 | 75 | 35 | 25 | | 10 | 25 | 1,00 |
| | 91200953 | 3 | 5 | 1610 | 101,1 | 64 | 75 | 50 | 25 | | 25 | 25 | 1,50 |
| | 91200954 | 4 | 7 | 1615 | 101,1 | 64 | 75 | 65 | 25 | | 13,5 | 38 | 1,40 |
| 100 | 91201001 | 1 | 4 | 1610 | 106,1 | | 80 | 20 | 25 | 5 | | | 1,00 |
| | 91201002 | 2 | 5 | 1610 | 106,1 | 70 | 80 | 35 | 25 | | 10 | 25 | 1,10 |
| | 91201003 | 3 | 6 | 1610 | 106,1 | 70 | 80 | 50 | 25 | | 25 | 25 | 1,30 |
| | 91201004 | 4 | 6 | 1615 | 106,1 | 70 | 80 | 65 | 25 | | 27 | 38 | 1,80 |
| | 91201005 | 5 | 6 | 1615 | 106,1 | 70 | 80 | 80 | 25 | | 42 | 38 | 2,10 |
| 106 | 91201061 | 1 | 4 | 1610 | 112,1 | | 80 | 20 | 25 | 5 | | | 1,20 |
| | 91201062 | 2 | 5 | 1610 | 112,1 | 76 | 80 | 35 | 25 | | 10 | 25 | 1,20 |
| | 91201063 | 3 | 6 | 1610 | 112,1 | 76 | 80 | 50 | 25 | | 25 | 25 | 1,60 |
| | 91201064 | 4 | 5 | 2012 | 112,1 | 76 | 80 | 65 | 25 | | 33 | 32 | 2,10 |
| | 91201065 | 5 | 5 | 2012 | 112,1 | 76 | 80 | 80 | 25 | | 48 | 32 | 2,30 |
| 112 | 91201121 | 1 | 4 | 1610 | 118,1 | | 80 | 20 | 25 | 5 | | | 1,30 |
| | 91201122 | 2 | 5 | 1610 | 118,1 | 80 | 80 | 35 | 25 | | 10 | 25 | 1,40 |
| | 91201123 | 3 | 5 | 2012 | 118,1 | 80 | 80 | 50 | 25 | | 18 | 32 | 1,60 |
| | 91201124 | 4 | 5 | 2012 | 118,1 | 80 | 80 | 65 | 25 | | 33 | 32 | 2,00 |
| | 91201125 | 5 | 5 | 2012 | 118,1 | 80 | 80 | 80 | 25 | | 48 | 32 | 2,50 |
| 118 | 91201181 | 1 | 4 | 1610 | 124,1 | | 80 | 20 | 25 | 5 | | | 1,40 |
| | 91201182 | 2 | 5 | 1610 | 124,1 | 86 | 80 | 35 | 25 | | 10 | 25 | 1,70 |
| | 91201183 | 3 | 6 | 2012 | 124,1 | 86 | 80 | 50 | 25 | | 18 | 32 | 1,90 |
| | 91201184 | 4 | 6 | 2012 | 124,1 | 86 | 80 | 65 | 25 | | 33 | 32 | 2,30 |
| | 91201185 | 5 | 6 | 2012 | 124,1 | 86 | 80 | 80 | 25 | | 48 | 32 | 2,80 |
| 125 | 91201251 | 1 | 4 | 1610 | 131,1 | | 80 | 20 | 25 | 5 | | | 1,50 |
| | 91201252 | 2 | 5 | 1610 | 131,1 | 90 | 80 | 35 | 25 | | 10 | 25 | 1,90 |
| | 91201253 | 3 | 6 | 2012 | 131,1 | 92 | 80 | 50 | 25 | | 18 | 32 | 2,70 |
| | 91201254 | 4 | 6 | 2012 | 131,1 | 92 | 80 | 65 | 25 | | 33 | 32 | 3,00 |
| | 91201255 | 5 | 7 | 2012 | 131,1 | 92 | 80 | 80 | 25 | | 24 | 32 | 3,00 |

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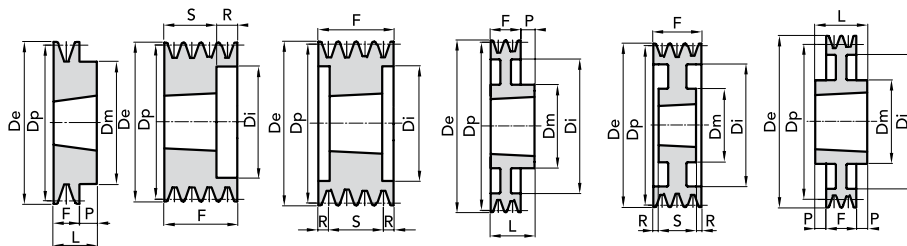
V-BELT PULLEYS for TAPER BUSHES



TAPER BUSHES

SPA TYPE

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EXEC. 4

ESEC. 6

ESEC. 7

ESEC. 8

ESEC. 9

ESEC. 10

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|----|----|----|------|----|--------|
| GROOVES | | | | | | | | | | | | | |
| Kg. | | | | | | | | | | | | | |
| 132 | 91201321 | 1 | 4 | 1610 | 138,1 | | 80 | 20 | 25 | 5 | | | 1,60 |
| | 91201322 | 2 | 5 | 2012 | 138,1 | 98 | | 35 | | | 3 | 32 | 2,10 |
| | 91201323 | 3 | 6 | 2012 | 138,1 | 98 | | 50 | | | 18 | 32 | 2,90 |
| | 91201324 | 4 | 6 | 2517 | 138,1 | 98 | | 65 | | | 20 | 45 | 3,20 |
| | 91201325 | 5 | 7 | 2517 | 138,1 | 98 | | 80 | | | 17,5 | 45 | 3,50 |
| 140 | 91201401 | 1 | 4 | 1610 | 146,1 | | 80 | 20 | 25 | 5 | | | 1,70 |
| | 91201402 | 2 | 5 | 2012 | 146,1 | 106 | | 35 | | | 3 | 32 | 2,60 |
| | 91201403 | 3 | 5 | 2517 | 146,1 | 106 | | 50 | | | 5 | 45 | 3,20 |
| | 91201404 | 4 | 6 | 2517 | 146,1 | 106 | | 65 | | | 20 | 45 | 3,50 |
| | 91201405 | 5 | 7 | 2517 | 146,1 | 106 | | 80 | | | 17,5 | 45 | 3,90 |
| 150 | 91201501 | 1 | 4 | 1610 | 156,1 | | 80 | 20 | 25 | 5 | | | 2,00 |
| | 91201502 | 2 | 5 | 2012 | 156,1 | 116 | | 35 | | | 3 | 32 | 3,20 |
| | 91201503 | 3 | 5 | 2517 | 156,1 | 116 | | 50 | | | 5 | 45 | 3,50 |
| | 91201504 | 4 | 6 | 2517 | 156,1 | 116 | | 65 | | | 20 | 45 | 3,90 |
| | 91201505 | 5 | 7 | 2517 | 156,1 | 116 | | 80 | | | 17,5 | 45 | 4,40 |
| 160 | 91201601 | 1 | 4 | 1610 | 166,1 | | 80 | 20 | 25 | 5 | | | 2,40 |
| | 91201602 | 2 | 5 | 2012 | 166,1 | 125 | | 35 | | | 3 | 32 | 3,60 |
| | 91201603 | 3 | 5 | 2517 | 166,1 | 126 | | 50 | | | 5 | 45 | 4,50 |
| | 91201604 | 4 | 6 | 2517 | 166,1 | 126 | | 65 | | | 20 | 45 | 5,10 |
| | 91201605 | 5 | 7 | 2517 | 166,1 | 126 | | 80 | | | 17,5 | 45 | 5,70 |
| 170 | 91201701 | 1 | 4 | 1610 | 176,1 | | 80 | 20 | 25 | 5 | | | 1,10 |
| | 91201702 | 2 | 5 | 2012 | 176,1 | 135 | | 35 | | | 3 | 32 | 4,50 |
| | 91201703 | 3 | 5 | 2517 | 176,1 | 138 | | 50 | | | 5 | 45 | 5,00 |
| | 91201704 | 4 | 6 | 2517 | 176,1 | 138 | | 65 | | | 20 | 45 | 5,80 |
| | 91201705 | 5 | 7 | 3020 | 176,1 | 138 | | 80 | | | 14,5 | 51 | 6,30 |
| 180 | 91201801 | 1 | 4 | 1610 | 186,1 | | 80 | 20 | 25 | 5 | | | 2,50 |
| | 91201802 | 2 | 9 | 2012 | 186,1 | 148 | 100 | 35 | | | 1,5 | 32 | 5,00 |
| | 91201803 | 3 | 5 | 2517 | 186,1 | 146 | | 50 | | | 5 | 45 | 6,20 |
| | 91201804 | 4 | 6 | 2517 | 186,1 | 146 | | 65 | | | 20 | 45 | 6,90 |
| | 91201805 | 5 | 7 | 3020 | 186,1 | 146 | | 80 | | | 14,5 | 51 | 6,90 |
| 190 | 91201901 | 1 | 4 | 1610 | 196,1 | | 80 | 20 | 25 | 5 | | | 2,80 |
| | 91201902 | 2 | 9 | 2012 | 196,1 | 158 | 100 | 35 | | | 1,5 | 32 | 4,40 |
| | 91201903 | 3 | 5 | 2517 | 196,1 | 158 | | 50 | | | 5 | 45 | 7,00 |
| | 91201904 | 4 | 6 | 2517 | 196,1 | 158 | | 65 | | | 20 | 45 | 6,80 |
| | 91201905 | 5 | 7 | 3020 | 196,1 | 158 | | 80 | | | 14,5 | 51 | 7,70 |
| 200 | 91202001 | 1 | 8 | 2012 | 206,1 | 165 | 100 | 20 | 32 | 12 | | | 2,30 |
| | 91202002 | 2 | 10 | 2517 | 206,1 | 165 | 120 | 35 | 45 | 5 | | | 4,90 |
| | 91202003 | 3 | 9 | 2517 | 206,1 | 165 | 120 | 50 | | | 2,5 | 45 | 5,80 |
| | 91202004 | 4 | 6 | 3020 | 206,1 | 165 | | 65 | | | 14 | 51 | 8,40 |
| | 91202005 | 5 | 7 | 3020 | 206,1 | 165 | | 80 | | | 14,5 | 51 | 9,00 |
| 212 | 91202121 | 1 | 8 | 2012 | 218,1 | 177 | 100 | 20 | 32 | 12 | | | 3,50 |
| | 91202122 | 2 | 10 | 2517 | 218,1 | 177 | 120 | 35 | 45 | 5 | | | 5,80 |
| | 91202123 | 3 | 9 | 2517 | 218,1 | 177 | 120 | 50 | | | 2,5 | 45 | 6,60 |
| | 91202124 | 4 | 6 | 3020 | 218,1 | 177 | | 65 | | | 14 | 51 | 9,90 |
| | 91202125 | 5 | 7 | 3020 | 218,1 | 177 | | 80 | | | 14,5 | 51 | 10,70 |

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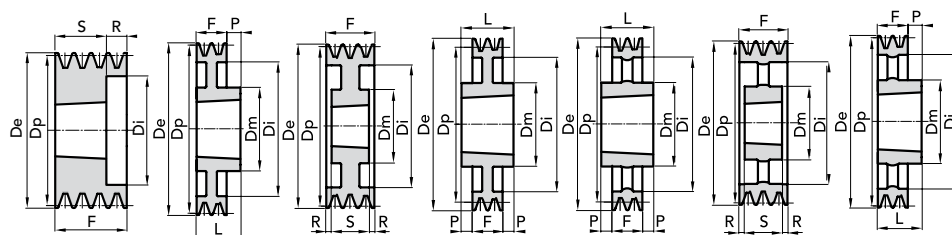
V-BELT PULLEYS for TAPER BUSHES

11

TAPER BUSHES

SPA TYPE

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EXEC. 6

EXEC. 8

EXEC. 9

EXEC. 10

EXEC. 11

EXEC. 12

EXEC. 13

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|----|----|-----|------|----|--------|
| GROOVES | | | | | | | | | | | | | Kg. |
| 224 | 91202241 | 1 | 8 | 2012 | 230,1 | 189 | 100 | 20 | 32 | 12 | | | 4,00 |
| | 91202242 | 2 | 8 | 2517 | 230,1 | 189 | 120 | 35 | 45 | 10 | | | 6,60 |
| | 91202243 | 3 | 9 | 2517 | 230,1 | 189 | 120 | 50 | | | 2,5 | 45 | 7,50 |
| | 91202244 | 4 | 6 | 3020 | 230,1 | 189 | | 65 | | | 14 | 51 | 11,40 |
| | 91202245 | 5 | 6 | 3020 | 230,1 | 189 | | 80 | | | 29 | 51 | 12,30 |
| 236 | 91202361 | 1 | 8 | 2012 | 242,1 | 202 | 106 | 20 | 32 | 12 | | | 3,60 |
| | 91202362 | 2 | 8 | 2517 | 242,1 | 202 | 125 | 35 | 45 | 10 | | | 5,40 |
| | 91202363 | 3 | 9 | 2517 | 242,1 | 202 | 125 | 50 | | | 2,5 | 45 | 6,60 |
| | 91202364 | 4 | 9 | 3020 | 242,1 | 202 | 146 | 65 | | | 7 | 51 | 9,80 |
| | 91202365 | 5 | 9 | 3020 | 242,1 | 202 | 155 | 80 | | | 14,5 | 51 | 11,20 |
| 250 | 91202501 | 1 | 10 | 2012 | 256,1 | 215 | 100 | 20 | 32 | 6 | | | 4,20 |
| | 91202502 | 2 | 10 | 2517 | 256,1 | 215 | 120 | 35 | 45 | 5 | | | 6,80 |
| | 91202503 | 3 | 9 | 2517 | 256,1 | 215 | 120 | 50 | | | 2,5 | 45 | 6,80 |
| | 91202504 | 4 | 9 | 3020 | 256,1 | 215 | 150 | 65 | | | 7 | 51 | 10,50 |
| | 91202505 | 5 | 9 | 3020 | 256,1 | 215 | 150 | 80 | | | 14,5 | 51 | 11,70 |
| 280 | 91202801 | 1 | 8 | 2012 | 286,1 | 245 | 100 | 20 | 32 | 12 | | | 6,30 |
| | 91202802 | 2 | 8 | 2517 | 286,1 | 245 | 120 | 35 | 45 | 10 | | | 8,30 |
| | 91202803 | 3 | 9 | 2517 | 286,1 | 245 | 120 | 50 | | | 2,5 | 45 | 10,00 |
| | 91202804 | 4 | 9 | 3020 | 286,1 | 245 | 150 | 65 | | | 7 | 51 | 11,50 |
| | 91202805 | 5 | 10 | 3535 | 286,1 | 245 | 170 | 80 | 89 | 4,5 | | | 17,40 |
| 300 | 91203001 | 1 | 8 | 2012 | 306,1 | 264 | 112 | 20 | 32 | 12 | | | 5,20 |
| | 91203002 | 2 | 8 | 2517 | 306,1 | 264 | 125 | 35 | 45 | 10 | | | 6,80 |
| | 91203003 | 3 | 10 | 3020 | 306,1 | 264 | 146 | 50 | 51 | 0,5 | | | 9,10 |
| | 91203004 | 4 | 9 | 3020 | 306,1 | 264 | 146 | 65 | | | 7 | 51 | 12,40 |
| | 91203005 | 5 | 8 | 3535 | 306,1 | 264 | 175 | 80 | 89 | 9 | | | 16,50 |
| 315 | 91203151 | 1 | 13 | 2012 | 321,1 | 280 | 100 | 20 | 32 | 12 | | | 7,20 |
| | 91203152 | 2 | 13 | 2517 | 321,1 | 280 | 120 | 35 | 45 | 10 | | | 10,20 |
| | 91203153 | 3 | 10 | 3020 | 321,1 | 280 | 150 | 50 | 51 | 0,5 | | | 12,80 |
| | 91203154 | 4 | 9 | 3020 | 321,1 | 280 | 150 | 65 | | | 7 | 51 | 13,80 |
| | 91203155 | 5 | 10 | 3535 | 321,1 | 280 | 170 | 80 | 89 | 4,5 | | | 20,00 |
| 335 | 91203353 | 3 | 11 | 3020 | 341,1 | 300 | 150 | 50 | 51 | 0,5 | | | 11,40 |
| | 91203354 | 4 | 12 | 3020 | 341,1 | 300 | 150 | 65 | | | 7 | 51 | 13,20 |
| | 91203355 | 5 | 10 | 3535 | 341,1 | 300 | 170 | 80 | 89 | 4,5 | | | 19,00 |
| 355 | 91203551 | 1 | 13 | 2012 | 361,1 | 320 | 100 | 20 | 32 | 12 | | | 7,70 |
| | 91203552 | 2 | 13 | 2517 | 361,1 | 320 | 120 | 35 | 45 | 10 | | | 10,50 |
| | 91203553 | 3 | 11 | 3020 | 361,1 | 320 | 150 | 50 | 51 | 0,5 | | | 13,40 |
| | 91203554 | 4 | 12 | 3020 | 361,1 | 320 | 150 | 65 | | | 7 | 51 | 15,80 |
| | 91203555 | 5 | 11 | 3535 | 361,1 | 320 | 170 | 80 | 89 | 4,5 | | | 22,80 |
| 400 | 91204001 | 1 | 13 | 2012 | 406,1 | 365 | 100 | 20 | 32 | 12 | | | 7,90 |
| | 91204002 | 2 | 13 | 2517 | 406,1 | 365 | 120 | 35 | 45 | 10 | | | 11,30 |
| | 91204003 | 3 | 11 | 3020 | 406,1 | 365 | 150 | 50 | 51 | 0,5 | | | 15,90 |
| | 91204004 | 4 | 12 | 3020 | 406,1 | 365 | 150 | 65 | | | 7 | 51 | 17,70 |
| | 91204005 | 5 | 11 | 3535 | 406,1 | 365 | 170 | 80 | 89 | 4,5 | | | 24,80 |

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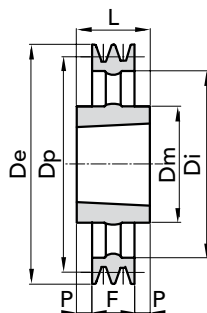
V-BELT PULLEYS for TAPER BUSHES



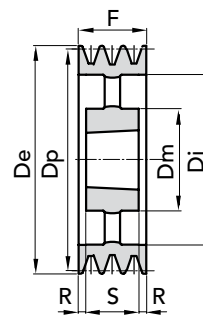
TAPER BUSHES

SPA TYPE

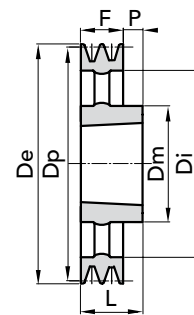
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EXEC. 11



EXEC. 12



EXEC. 13

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT Kg. |
|----------------|-----------|----|-------|-------|-------|------|------|----|-----|------|---|----|---------------|
| GROOVES | | | | | | | | | | | | | |
| 450 | 91204501 | 1 | 13 | 2012 | 456,1 | 415 | 100 | 20 | 32 | 12 | | | 8,30 |
| | 91204502 | 2 | 13 | 2517 | 456,1 | 415 | 120 | 35 | 45 | 10 | | | 15,00 |
| | 91204503 | 3 | 11 | 3020 | 456,1 | 415 | 150 | 50 | 51 | 0,5 | | | 19,30 |
| | 91204504 | 4 | 12 | 3020 | 456,1 | 415 | 150 | 65 | | | 7 | 51 | 23,20 |
| | 91204505 | 5 | 11 | 3535 | 456,1 | 415 | 170 | 80 | 89 | 4,5 | | | 28,50 |
| 500 | 91205001 | 1 | 13 | 2517 | 506,1 | 465 | 120 | 20 | 45 | 25 | | | 9,40 |
| | 91205002 | 2 | 13 | 2517 | 506,1 | 465 | 120 | 35 | 45 | 10 | | | 18,70 |
| | 91205003 | 3 | 11 | 3020 | 506,1 | 465 | 150 | 50 | 51 | 0,5 | | | 22,60 |
| | 91205004 | 4 | 12 | 3020 | 506,1 | 465 | 150 | 65 | | | 7 | 51 | 27,40 |
| | 91205005 | 5 | 11 | 3535 | 506,1 | 465 | 170 | 80 | 89 | 4,5 | | | 31,70 |
| 560 | 91205603 | 3 | 13 | 3020 | 566,1 | 525 | 150 | 50 | 51 | 0,5 | | | 23,50 |
| | 91205604 | 4 | 11 | 3535 | 566,1 | 525 | 170 | 65 | 89 | 12 | | | 30,50 |
| | 91205605 | 5 | 11 | 3535 | 566,1 | 525 | 170 | 80 | 89 | 4,5 | | | 35,00 |
| 630 | 91206302 | 2 | 13 | 3020 | 636,1 | 595 | 150 | 35 | 51 | 16 | | | 22,00 |
| | 91206303 | 3 | 11 | 3020 | 636,1 | 595 | 150 | 50 | 51 | 0,5 | | | 27,50 |
| | 91206304 | 4 | 11 | 3535 | 636,1 | 595 | 170 | 65 | 89 | 12 | | | 34,10 |
| | 91206305 | 5 | 11 | 3535 | 636,1 | 595 | 170 | 80 | 89 | 4,5 | | | 42,00 |
| | 91206306 | 6 | 11 | 4040 | 636,1 | 595 | 200 | 95 | 102 | 3,5 | | | 53,50 |
| 800 | 91208003 | 3 | 11 | 3535 | 806,1 | 765 | 170 | 50 | 89 | 19,5 | | | 40,80 |
| | 91208004 | 4 | 11 | 3535 | 806,1 | 765 | 170 | 65 | 89 | 12 | | | 50,80 |
| | 91208005 | 5 | 11 | 4040 | 806,1 | 765 | 200 | 80 | 102 | 11 | | | 60,00 |

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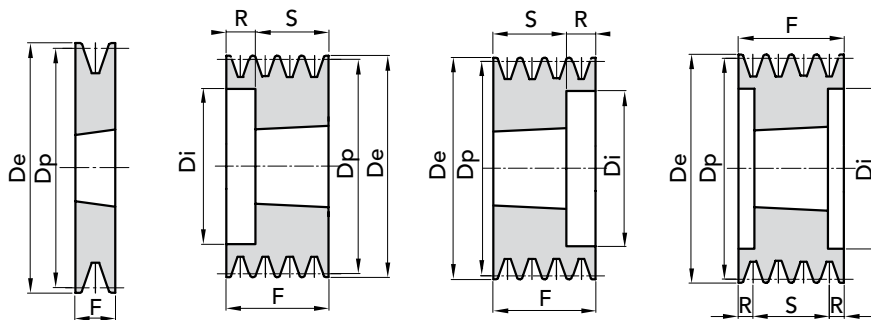
V-BELT PULLEYS for TAPER BUSHES

13

TAPER BUSHES

SPB TYPE

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EXEC. 1

EXEC. 5

EXEC. 6

EXEC. 7

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|----------|-----------|----------|-------|-------|-------|-------|------|-----|----|---|------|----|--------|
| GROOVES | | | | | | | | | | | | | Kg. |
| 100 | 91301001 | 1 | 1 | 1610 | 107,6 | | | 25 | | | | | 0,90 |
| | 91301002 | 2 | 6 | 1610 | 107,6 | 57 | | 44 | | | 19 | 25 | 1,40 |
| 106 | 91301061 | 1 | 1 | 1610 | 113,6 | | | 25 | | | | | 1,00 |
| | 91301062 | 2 | 6 | 1610 | 113,6 | 67 | | 44 | | | 19 | 25 | 1,60 |
| | 91301063 | 3 | 6 | 1610 | 113,6 | 67 | | 63 | | | 38 | 25 | 2,20 |
| 112 | 91301121 | 1 | 1 | 1610 | 119,6 | | | 25 | | | | | 1,20 |
| | 91301122 | 2 | 6 | 1610 | 119,6 | 72 | | 44 | | | 19 | 25 | 1,70 |
| | 91301123 | 3 | 6 | 1610 | 119,6 | 72 | | 63 | | | 38 | 25 | 2,40 |
| 118 | 91301181 | 1 | 1 | 1610 | 125,6 | | | 25 | | | | | 1,30 |
| | 91301182 | 2 | 6 | 1610 | 125,6 | 78 | | 44 | | | 19 | 25 | 1,80 |
| | 91301183 | 3 | 6 | 1610 | 125,6 | 78 | | 63 | | | 38 | 25 | 2,60 |
| 125 | 91301251 | 1 | 1 | 1610 | 132,6 | | | 25 | | | | | 1,50 |
| | 91301252 | 2 | 6 | 2012 | 132,6 | 82 | | 44 | | | 12 | 32 | 1,90 |
| | 91301253 | 3 | 6 | 2012 | 132,6 | 82 | | 63 | | | 31 | 32 | 2,50 |
| | 91301254 | 4 | 7 | 2012 | 132,6 | 82 | | 82 | | | 25 | 32 | 3,00 |
| | 91301255 | 5 | 5/6 | 2012 | 132,6 | 82 | | 101 | | | 69 | 32 | 3,60 |
| 132 | 91301321 | 1 | 1 | 1610 | 139,6 | | | 25 | | | | | 1,70 |
| | 91301322 | 2 | 6 | 2012 | 139,6 | 89 | | 44 | | | 12 | 32 | 2,50 |
| | 91301323 | 3 | 6 | 2012 | 139,6 | 89 | | 63 | | | 31 | 32 | 3,20 |
| | 91301324 | 4 | 7 | 2012 | 139,6 | 89 | | 82 | | | 25 | 32 | 3,70 |
| | 91301325 | 5 | 5 | 2517 | 139,6 | 89 | | 101 | | | 56 | 45 | 3,80 |
| 140 | 91301401 | 1 | 1 | 1610 | 147,6 | | | 25 | | | | | 1,80 |
| | 91301402 | 2 | 6 | 2012 | 147,6 | 97 | | 44 | | | 12 | 32 | 2,70 |
| | 91301403 | 3 | 6 | 2012 | 147,6 | 97 | | 63 | | | 31 | 32 | 3,60 |
| | 91301404 | 4 | 7 | 2517 | 147,6 | 97 | | 82 | | | 18,5 | 45 | 4,30 |
| | 91301405 | 5 | 7 | 2517 | 147,6 | 97 | | 101 | | | 28 | 45 | 4,40 |
| | 91301406 | 6 | 7 | 2517 | 147,6 | 97 | | 120 | | | 37,5 | 45 | 4,70 |
| | 91301408 | 8 | 7 | 2517 | 147,6 | 97 | | 158 | | | 56,5 | 45 | 7,00 |
| | 150 | 91301501 | 1 | 1 | 1610 | 157,6 | | | 25 | | | | |
| 91301502 | | 2 | 6 | 2012 | 157,6 | 107 | | 44 | | | 12 | 32 | 3,20 |
| 91301503 | | 3 | 6 | 2517 | 157,6 | 107 | | 63 | | | 18 | 45 | 4,00 |
| 91301504 | | 4 | 7 | 2517 | 157,6 | 107 | | 82 | | | 18,5 | 45 | 4,60 |
| 91301505 | | 5 | 7 | 2517 | 157,6 | 107 | | 101 | | | 28 | 45 | 5,40 |
| 91301506 | | 6 | 7 | 2517 | 157,6 | 107 | | 120 | | | 37,5 | 45 | 6,80 |
| 160 | 91301601 | 1 | 1 | 1610 | 167,6 | | | 25 | | | | | 2,50 |
| | 91301602 | 2 | 6 | 2012 | 167,6 | 117 | | 44 | | | 12 | 32 | 3,80 |
| | 91301603 | 3 | 6 | 2517 | 167,6 | 117 | | 63 | | | 18 | 45 | 4,50 |
| | 91301604 | 4 | 7 | 2517 | 167,6 | 117 | | 82 | | | 18,5 | 45 | 5,80 |
| | 91301605 | 5 | 7 | 2517 | 167,6 | 117 | | 101 | | | 28 | 45 | 6,70 |
| | 91301606 | 6 | 7 | 3020 | 167,6 | 117 | | 120 | | | 34,5 | 51 | 7,20 |
| | 91301608 | 8 | 7 | 3020 | 167,6 | 117 | | 158 | | | 53,5 | 51 | 8,30 |

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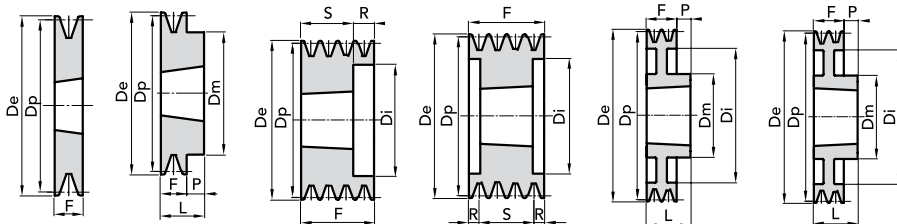


V-BELT PULLEYS for TAPER BUSHES

TAPER BUSHES

SPB TYPE

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EXEC. 1

EXEC. 4

EXEC. 6

EXEC. 7

EXEC. 8

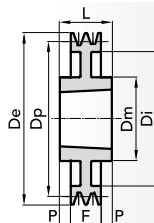
EXEC. 8A

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|----------|-----------|----------|-------|-------|-------|-------|------|-----|----|----|------|----|--------|
| GROOVES | | | | | | | | | | | | | |
| Kg. | | | | | | | | | | | | | |
| 170 | 91301701 | 1 | 1 | 1610 | 177,6 | | | 25 | | | | | 2,90 |
| | 91301702 | 2 | 6 | 2012 | 177,6 | 127 | | 44 | | | 12 | 32 | 4,80 |
| | 91301703 | 3 | 6 | 2517 | 177,6 | 127 | | 63 | | | 18 | 45 | 5,30 |
| | 91301704 | 4 | 7 | 2517 | 177,6 | 127 | | 82 | | | 18,5 | 45 | 6,70 |
| | 91301705 | 5 | 7 | 3020 | 177,6 | 127 | | 101 | | | 25 | 51 | 7,10 |
| | 91301706 | 6 | 7 | 3020 | 177,6 | 127 | | 120 | | | 34,5 | 51 | 7,60 |
| 180 | 91301801 | 1 | 14 | 1610 | 187,6 | 137 | 80 | 25 | | | | | 3,80 |
| | 91301802 | 2 | 4 | 2517 | 187,6 | | 120 | 44 | 45 | 1 | | | 5,50 |
| | 91301803 | 3 | 6 | 2517 | 187,6 | 137 | | 63 | | | 18 | 45 | 6,70 |
| | 91301804 | 4 | 7 | 2517 | 187,6 | 137 | | 82 | | | 18,5 | 45 | 7,70 |
| | 91301805 | 5 | 7 | 3020 | 187,6 | 137 | | 101 | | | 25 | 51 | 8,20 |
| | 91301806 | 6 | 7 | 3020 | 187,6 | 137 | | 120 | | | 34,5 | 51 | 10,20 |
| | 91301808 | 8 | 7 | 3030 | 187,6 | 137 | | 158 | | | 41 | 76 | 10,80 |
| | 190 | 91301901 | 1 | 10 | 2012 | 197,6 | 147 | 100 | 25 | 32 | 3,5 | | |
| 91301902 | | 2 | 4 | 2517 | 197,6 | | 120 | 44 | 45 | 1 | | | 6,50 |
| 91301903 | | 3 | 6 | 2517 | 197,6 | 147 | | 63 | | | 18 | 45 | 7,60 |
| 91301904 | | 4 | 7 | 2517 | 197,6 | 147 | | 82 | | | 18,5 | 45 | 8,60 |
| 91301905 | | 5 | 7 | 3020 | 197,6 | 147 | | 101 | | | 25 | 51 | 9,10 |
| 91301906 | | 6 | 7 | 3020 | 197,6 | 147 | | 120 | | | 34,5 | 51 | 10,20 |
| 91301908 | | 8 | 7 | 3030 | 197,6 | 147 | | 158 | | | 41 | 76 | 12,30 |
| 200 | | 91302001 | 1 | 10 | 2012 | 207,6 | 157 | 100 | 25 | 32 | 3,5 | | |
| | 91302002 | 2 | 4 | 2517 | 207,6 | 157 | 120 | 44 | 45 | 1 | | | 7,50 |
| | 91302003 | 3 | 6 | 2517 | 207,6 | 157 | | 63 | | | 18 | 45 | 8,90 |
| | 91302004 | 4 | 6/7 | 3020 | 207,6 | 157 | | 82 | | | 18,5 | 45 | 9,10 |
| | 91302005 | 5 | 7 | 3020 | 207,6 | 157 | | 101 | | | 25 | 51 | 10,30 |
| | 91302006 | 6 | 7 | 3020 | 207,6 | 157 | | 120 | | | 34,5 | 51 | 11,70 |
| | 91302008 | 8 | 7 | 3535 | 207,6 | 161 | | 158 | | | 34,5 | 89 | 13,70 |
| | 212 | 91302121 | 1 | 10 | 2012 | 219,6 | 169 | 100 | 25 | 32 | 3,5 | | |
| 91302122 | | 2 | 8 | 2517 | 219,6 | 169 | 120 | 44 | 45 | 1 | | | 7,00 |
| 91302123 | | 3 | 15 | 2517 | 219,6 | 169 | 120 | 63 | | | 18 | 45 | 8,20 |
| 91302124 | | 4 | 7 | 3020 | 219,6 | 169 | | 82 | | | 15,5 | 51 | 10,90 |
| 91302125 | | 5 | 7 | 3020 | 219,6 | 169 | | 101 | | | 25 | 51 | 12,20 |
| 91302126 | | 6 | 7 | 3535 | 219,6 | 169 | | 120 | | | 15,5 | 89 | 13,20 |
| 91302128 | | 8 | 7 | 3535 | 219,6 | 173 | | 158 | | | 34,5 | 89 | 15,80 |
| 224 | | 91302241 | 1 | 10 | 2012 | 231,6 | 181 | 100 | 25 | 32 | 3,5 | | |
| | 91302242 | 2 | 8a | 2517 | 231,6 | 181 | 120 | 44 | 45 | 1 | | | 7,70 |
| | 91302243 | 3 | 15 | 2517 | 231,6 | 181 | 120 | 63 | | | 18 | 45 | 9,10 |
| | 91302244 | 4 | 6/7 | 3020 | 231,6 | 181 | | 82 | | | 15,5 | 51 | 12,40 |
| | 91302245 | 5 | 7 | 3020 | 231,6 | 181 | | 101 | | | 25 | 51 | 13,70 |
| | 91302246 | 6 | 7 | 3535 | 231,6 | 181 | | 120 | | | 15,5 | 89 | 15,20 |
| | 91302248 | 8 | 7 | 3535 | 231,6 | 181 | | 158 | | | 34,5 | 89 | 17,20 |
| | 91302210 | 10 | 7 | 3535 | 231,6 | 181 | | 196 | | | 53,5 | 89 | 20,50 |

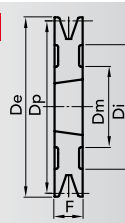
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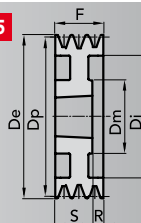
EXEC. 10



EXEC. 14



EXEC. 15





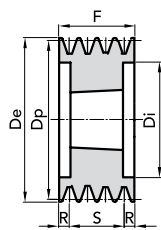
V-BELT PULLEYS for TAPER BUSHES

15

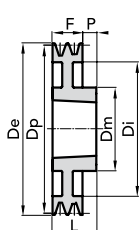
TAPER BUSHES

SPB TYPE

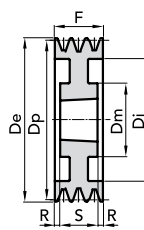
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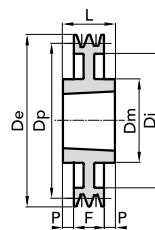
EXEC. 7



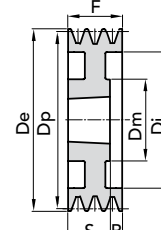
EXEC. 8A



EXEC. 9



EXEC. 10



EXEC. 15

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT |
|---------|-----------|----|-------|-------|-------|------|------|-----|----|-----|------|----|--------|
| GROOVES | | | | | | | | | | | | | Kg. |
| 236 | 91302361 | 1 | 10 | 2012 | 243,6 | 193 | 100 | 25 | 32 | 3,5 | | | 5,40 |
| | 91302362 | 2 | 8a | 2517 | 243,6 | 193 | 120 | 44 | 45 | 1 | | | 8,30 |
| | 91302363 | 3 | 15 | 2517 | 243,6 | 193 | 120 | 63 | | | 18 | 45 | 9,80 |
| | 91302364 | 4 | 7 | 3020 | 243,6 | 193 | | 82 | | | 15,5 | 51 | 14,10 |
| | 91302365 | 5 | 7 | 3535 | 243,6 | 193 | | 101 | | | 6 | 89 | 16,20 |
| | 91302366 | 6 | 7 | 3535 | 243,6 | 193 | | 120 | | | 15,5 | 89 | 17,60 |
| | 91302368 | 8 | 7 | 3535 | 243,6 | 193 | | 158 | | | 34,5 | 89 | 20,00 |
| 250 | 91302501 | 1 | 10 | 2012 | 257,6 | 207 | 100 | 25 | 32 | 3,5 | | | 6,200 |
| | 91302502 | 2 | 8a | 2517 | 257,6 | 207 | 120 | 44 | 45 | 1 | | | 8,600 |
| | 91302503 | 3 | 15 | 3020 | 257,6 | 207 | 150 | 63 | | | 12 | 51 | 11,20 |
| | 91302504 | 4 | 9 | 3020 | 257,6 | 207 | 150 | 82 | | | 15,5 | 51 | 12,70 |
| | 91302505 | 5 | 7 | 3535 | 257,6 | 207 | | 101 | | | 6 | 89 | 18,60 |
| | 91302506 | 6 | 7 | 3535 | 257,6 | 207 | | 120 | | | 15,5 | 89 | 20,20 |
| | 91302508 | 8 | 7 | 3535 | 257,6 | 207 | | 158 | | | 34,5 | 89 | 23,20 |
| 280 | 91302801 | 1 | 10 | 2012 | 287,6 | 237 | 100 | 25 | 32 | 3,5 | | | 6,50 |
| | 91302802 | 2 | 8a | 2517 | 287,6 | 237 | 120 | 44 | 45 | 1 | | | 10,10 |
| | 91302803 | 3 | 9 | 3020 | 287,6 | 237 | 150 | 63 | | | 6 | 51 | 12,00 |
| | 91302804 | 4 | 9 | 3020 | 287,6 | 237 | 150 | 82 | | | 15,5 | 51 | 14,10 |
| | 91302805 | 5 | 9 | 3535 | 287,6 | 237 | 170 | 101 | | | 6 | 89 | 21,40 |
| | 91302806 | 6 | 9 | 3535 | 287,6 | 237 | 170 | 120 | | | 15,5 | 89 | 23,50 |
| | 91302808 | 8 | 9 | 3535 | 287,6 | 237 | 175 | 158 | | | 34,5 | 89 | 26,60 |
| 300 | 91303001 | 1 | 10 | 2012 | 307,6 | 257 | 100 | 25 | 32 | 3,5 | | | 7,00 |
| | 91303002 | 2 | 8a | 2517 | 307,6 | 257 | 120 | 44 | 45 | 1 | | | 11,00 |
| | 91303003 | 3 | 9 | 3020 | 307,6 | 257 | 150 | 63 | | | 6 | 51 | 13,50 |
| | 91303004 | 4 | 9 | 3020 | 307,6 | 257 | 150 | 82 | | | 15,5 | 51 | 20,50 |
| | 91303005 | 5 | 9 | 3535 | 307,6 | 257 | 170 | 101 | | | 6 | 89 | 22,50 |
| | 91303006 | 6 | 9 | 3535 | 307,6 | 257 | 170 | 120 | | | 15,5 | 89 | 24,00 |
| | 91303008 | 8 | 9 | 3535 | 307,6 | 257 | 175 | 158 | | | 34,5 | 89 | 27,30 |
| 315 | 91303151 | 1 | 10 | 2012 | 322,6 | 272 | 100 | 25 | 32 | 3,5 | | | 7,50 |
| | 91303152 | 2 | 8a | 2517 | 322,6 | 272 | 120 | 44 | 45 | 1 | | | 12,20 |
| | 91303153 | 3 | 9 | 3020 | 322,6 | 272 | 150 | 63 | | | 6 | 51 | 14,20 |
| | 91303154 | 4 | 10 | 3535 | 322,6 | 272 | 170 | 82 | 89 | 3,5 | | | 20,60 |
| | 91303155 | 5 | 9 | 3535 | 322,6 | 272 | 170 | 101 | | | 6 | 89 | 22,30 |
| | 91303156 | 6 | 9 | 3535 | 322,6 | 272 | 170 | 120 | | | 15,5 | 89 | 24,20 |
| | 91303158 | 8 | 9 | 3535 | 322,6 | 272 | 175 | 158 | | | 34,5 | 89 | 28,00 |
| 335 | 91303352 | 2 | 8a | 2517 | 342,6 | 292 | 120 | 44 | 45 | 1 | | | 14,00 |
| | 91303353 | 3 | 9 | 3020 | 342,6 | 292 | 150 | 63 | | | 6 | 51 | 16,00 |
| | 91303354 | 4 | 10 | 3535 | 342,6 | 292 | 170 | 82 | 89 | 3,5 | | | 22,00 |
| | 91303355 | 5 | 9 | 3535 | 342,6 | 292 | 170 | 101 | | | 6 | 89 | 24,00 |
| | 91303356 | 6 | 9 | 3535 | 342,6 | 292 | 170 | 120 | | | 15,5 | 89 | 26,30 |
| | 91303358 | 8 | 9 | 3535 | 342,6 | 292 | 175 | 158 | | | 34,5 | 89 | 30,50 |

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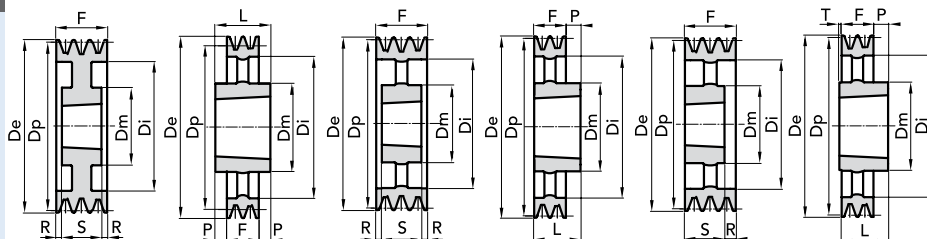
V-BELT PULLEYS for TAPER BUSHES



TAPER BUSHES

SPB TYPE

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EXEC. 9

EXEC. 11

EXEC. 12

EXEC. 13

EXEC. 16

EXEC. 17

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | T | WEIGHT Kg. | |
|----------------|-----------|----------|-------|-------|-------|-------|------|-----|-----|-----|------|-----|-----|---------------|-------|
| GROOVES | | | | | | | | | | | | | | | |
| 355 | 91303552 | 2 | 11 | 3020 | 362,6 | 312 | 150 | 44 | 51 | 3,5 | | | | 15,90 | |
| | 91303553 | 3 | 12 | 3020 | 362,6 | 312 | 150 | 63 | | | 6 | 51 | | 17,70 | |
| | 91303554 | 4 | 10 | 3535 | 362,6 | 312 | 170 | 82 | 89 | 3,5 | | | | 23,20 | |
| | 91303555 | 5 | 12 | 3535 | 362,6 | 312 | 170 | 101 | | | 6 | 89 | | 25,50 | |
| | 91303556 | 6 | 9 | 3535 | 362,6 | 312 | 170 | 120 | | | 15,5 | 89 | | 28,40 | |
| | 91303558 | 8 | 9 | 3535 | 362,6 | 312 | 170 | 158 | | | 35,5 | 89 | | 31,50 | |
| | 91303510 | 10 | 9 | 4030 | 362,6 | 312 | 210 | 196 | | | | 60 | 76 | | 33,50 |
| 375 | 91303754 | 4 | 10 | 3535 | 382,6 | 332 | 170 | 82 | 89 | 3,5 | | | | 27,00 | |
| 400 | 91304002 | 2 | 11 | 3020 | 407,6 | 357 | 150 | 44 | 51 | 3,5 | | | | 18,30 | |
| | 91304003 | 3 | 11 | 3535 | 407,6 | 357 | 170 | 63 | 89 | 13 | | | | 25,00 | |
| | 91304004 | 4 | 11 | 3535 | 407,6 | 357 | 170 | 82 | 89 | 3,5 | | | | 26,50 | |
| | 91304005 | 5 | 12 | 3535 | 407,6 | 357 | 170 | 101 | | | 6 | 89 | | 30,20 | |
| | 91304006 | 6 | 12 | 3535 | 407,6 | 357 | 170 | 120 | | | 15,5 | 89 | | 31,80 | |
| | 91304008 | 8 | 9 | 4040 | 407,6 | 357 | 200 | 158 | | | | 28 | 102 | | 43,00 |
| 450 | 91304502 | 2 | 11 | 3020 | 457,6 | 407 | 150 | 44 | 51 | 3,5 | | | | 19,00 | |
| | 91304503 | 3 | 13 | 3535 | 457,6 | 407 | 170 | 63 | 89 | 26 | | | | 26,30 | |
| | 91304504 | 4 | 13 | 3535 | 457,6 | 407 | 170 | 82 | 89 | 7 | | | | 27,20 | |
| | 91304505 | 5 | 16 | 3535 | 457,6 | 407 | 170 | 101 | | | 12 | 89 | | 32,80 | |
| | 91304506 | 6 | 16 | 4040 | 457,6 | 407 | 200 | 120 | | | 18 | 102 | | 35,30 | |
| | 91304508 | 8 | 12 | 4040 | 457,6 | 407 | 200 | 158 | | | 28 | 102 | | 46,00 | |
| 500 | 91305002 | 2 | 11 | 3020 | 507,6 | 457 | 150 | 44 | 51 | 3,5 | | | | 21,00 | |
| | 91305003 | 3 | 13 | 3535 | 507,6 | 457 | 170 | 63 | 89 | 26 | | | | 29,90 | |
| | 91305004 | 4 | 13 | 3535 | 507,6 | 457 | 170 | 82 | 89 | 7 | | | | 34,70 | |
| | 91305005 | 5 | 16 | 3535 | 507,6 | 457 | 170 | 101 | | | 12 | 89 | | 36,70 | |
| | 91305006 | 6 | 16 | 4040 | 507,6 | 457 | 200 | 120 | | | 18 | 102 | | 40,70 | |
| | 91305008 | 8 | 12 | 4040 | 507,6 | 457 | 200 | 158 | | | 28 | 102 | | 52,00 | |
| | 560 | 91305602 | 2 | 17 | 3030 | 567,6 | 517 | 150 | 44 | 76 | 28 | | | 4 | 24,00 |
| | | 91305603 | 3 | 13 | 3535 | 567,6 | 517 | 170 | 63 | 89 | 26 | | | | 37,20 |
| 91305604 | | 4 | 13 | 3535 | 567,6 | 517 | 170 | 82 | 89 | 7 | | | | 39,00 | |
| 91305605 | | 5 | 13 | 4040 | 567,6 | 517 | 200 | 101 | 102 | 1 | | | | 45,60 | |
| 91305606 | | 6 | 16 | 4040 | 567,6 | 517 | 200 | 120 | | | 18 | 102 | | 49,20 | |
| 91305608 | | 8 | 12 | 4545 | 567,6 | 517 | 225 | 158 | | | 22 | 114 | | 54,50 | |
| 630 | 91306303 | 3 | 13 | 3535 | 637,6 | 587 | 170 | 63 | 89 | 26 | | | | 41,00 | |
| | 91306304 | 4 | 13 | 3535 | 637,6 | 587 | 170 | 82 | 89 | 7 | | | | 44,50 | |
| | 91306305 | 5 | 13 | 4040 | 637,6 | 587 | 200 | 101 | 102 | 1 | | | | 50,00 | |
| | 91306306 | 6 | 16 | 4040 | 637,6 | 587 | 200 | 120 | | | 18 | 102 | | 53,50 | |
| | 91306308 | 8 | 12 | 4545 | 637,6 | 587 | 225 | 158 | | | 22 | 114 | | 67,00 | |
| | 710 | 91307103 | 3 | 17 | 3535 | 717,6 | 664 | 170 | 63 | 89 | 22 | | | 4 | 48,00 |
| 91307104 | | 4 | 11 | 3535 | 717,6 | 664 | 170 | 82 | 89 | 3,5 | | | | 50,50 | |
| 91307105 | | 5 | 11 | 4040 | 717,6 | 664 | 200 | 101 | 102 | 0,5 | | | | 63,50 | |
| 91307106 | | 6 | 12 | 4545 | 717,6 | 664 | 225 | 120 | | | 3 | 114 | | 69,00 | |
| 91307108 | | 8 | 12 | 4545 | 717,6 | 664 | 225 | 158 | | | 22 | 114 | | 75,50 | |
| 91307010 | | 10 | 12 | 4545 | 717,6 | 664 | 225 | 196 | | | 41 | 114 | | 82,00 | |

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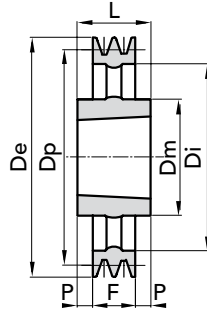
V-BELT PULLEYS for TAPER BUSHES

17

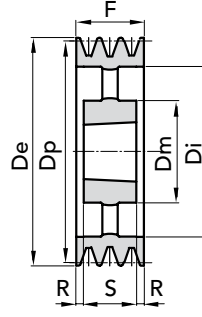
TAPER BUSHES

SPB TYPE

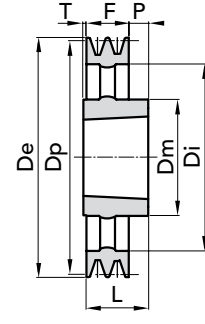
We are engaged to respect shapes and dimensions shown on this sheet but, we reserve the right to make changes and modifications without notice.



EXEC. 11



EXEC. 12



EXEC. 17

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | T | WEIGHT |
|---------|-----------|----|-------|-------|--------|------|------|-----|-----|-----|------|------|-----|--------|
| GROOVES | | | | | | | | | | | | | | Kg. |
| 800 | 91308003 | 3 | 17 | 3535 | 807,6 | 754 | 170 | 63 | 89 | 22 | | | 4 | 55,00 |
| | 91308004 | 4 | 17 | 4040 | 807,6 | 754 | 200 | 82 | 102 | 16 | | | 4 | 60,50 |
| | 91308005 | 5 | 11 | 4040 | 807,6 | 754 | 200 | 101 | 102 | 5 | | | | 67,00 |
| | 91308006 | 6 | 12 | 4545 | 807,6 | 754 | 225 | 120 | | | 3 | 114 | | 84,50 |
| | 91308008 | 8 | 12 | 4545 | 807,6 | 754 | 225 | 158 | | | 22 | 114 | | 94,50 |
| | 91308010 | 10 | 12 | 4545 | 807,6 | 754 | 225 | 196 | | | | 41 | 114 | |
| 900 | 91309003 | 3 | 17 | 3535 | 907,6 | 854 | 170 | 63 | 89 | 22 | | | 4 | 64,10 |
| | 91309004 | 4 | 17 | 4040 | 907,6 | 854 | 200 | 82 | 102 | 16 | | | 4 | 70,00 |
| 1000 | 91310003 | 3 | 17 | 4040 | 1007,6 | 954 | 200 | 63 | 102 | 33 | | | 6 | 72,00 |
| | 91310004 | 4 | 17 | 4040 | 1007,6 | 954 | 200 | 82 | 102 | 16 | | | 4 | 77,50 |
| | 91310005 | 5 | 11 | 4545 | 1007,6 | 954 | 225 | 101 | 114 | 6,5 | | | | 110,0 |
| | 91310006 | 6 | 12 | 4545 | 1007,6 | 954 | 225 | 120 | | | 2 | 114 | | 114,0 |
| | 91310008 | 8 | 12 | 5050 | 1007,6 | 954 | 245 | 158 | | | 15,5 | 127 | | 121,5 |
| | 91310010 | 10 | 12 | 5050 | 1007,6 | 954 | 245 | 196 | | | | 34,5 | 127 | |
| 1250 | 91312503 | 3 | 17 | 4040 | 1257,6 | 1204 | 200 | 63 | 102 | 33 | | | 6 | 140,0 |
| | 91312504 | 4 | 17 | 4545 | 1257,6 | 1204 | 225 | 82 | 114 | 26 | | | 6 | 162,0 |
| | 91312505 | 5 | 11 | 4545 | 1257,6 | 1204 | 225 | 101 | 114 | 6,5 | | | | 180,0 |
| | 91312506 | 6 | 11 | 5050 | 1257,6 | 1204 | 245 | 120 | 127 | 3,5 | | | | 210,0 |
| | 91312508 | 8 | 12 | 5050 | 1257,6 | 1204 | 245 | 158 | | | 15,5 | 127 | | 242,0 |
| | 91312510 | 10 | 12 | 5050 | 1257,6 | 1204 | 245 | 196 | | | | 34,5 | 127 | |

V-BELT PULLEYS for TAPER BUSHES

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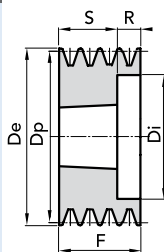
V-BELT PULLEYS for TAPER BUSHES



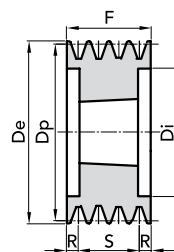
TAPER BUSHES

SPC TYPE

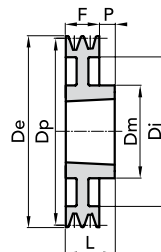
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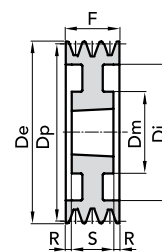
EXEC. 6



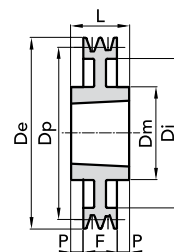
EXEC. 7



EXEC. 8



EXEC. 9



EXEC. 10

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | WEIGHT Kg. | |
|----------------|-----------|----------|-------|-------|-------|-------|------|-------|-------|----|-------|-------|---------------|-------|
| GROOVES | | | | | | | | | | | | | | |
| 180 | 91401803 | 3 | 7 | 2517 | 190,2 | 128 | | 85 | | | 20 | 45 | 9,20 | |
| | 91401804 | 4 | 7 | 2517 | 190,2 | 124 | | 110,5 | | | 32,75 | 45 | 11,50 | |
| | 91401805 | 5 | 7 | 3020 | 190,2 | 124 | | 136 | | | 42,5 | 51 | 13,70 | |
| | 91401806 | 6 | 7 | 3020 | 190,2 | 124 | | 161,5 | | | 55,25 | 51 | 16,50 | |
| 200 | 91402002 | 2 | 6 | 2517 | 210,2 | 144 | | 59,5 | | | 14,5 | 45 | 10,00 | |
| | 91402003 | 3 | 7 | 2517 | 210,2 | 144 | | 85 | | | 17 | 51 | 10,20 | |
| | 91402004 | 4 | 7 | 3020 | 210,2 | 144 | | 110,5 | | | 10,75 | 89 | 11,30 | |
| | 91402005 | 5 | 7 | 3535 | 210,2 | 144 | | 136 | | | 23,5 | 89 | 12,20 | |
| | 91402006 | 6 | 7 | 3535 | 210,2 | 144 | | 161,5 | | | 36,25 | 89 | 14,10 | |
| | 91402008 | 8 | 7 | 3535 | 210,2 | 144 | | 212,5 | | | 61,75 | 89 | 20,00 | |
| | 224 | 91402242 | 2 | 6 | 3020 | 234,2 | 173 | | 59,5 | | | 8,5 | 51 | 11,00 |
| 91402243 | | 3 | 7 | 3020 | 234,2 | 173 | | 85 | | | 17 | 51 | 12,70 | |
| 91402244 | | 4 | 7 | 3535 | 234,2 | 173 | | 110,5 | | | 10,75 | 89 | 14,50 | |
| 91402245 | | 5 | 7 | 3535 | 234,2 | 173 | | 136 | | | 23,5 | 89 | 16,60 | |
| 91402246 | | 6 | 7 | 3535 | 234,2 | 173 | | 161,5 | | | 36,25 | 89 | 18,00 | |
| 91402248 | | 8 | 7 | 3535 | 234,2 | 170 | | 212,5 | | | 61,75 | 89 | 22,90 | |
| 91402210 | | 10 | 7 | 4040 | 234,2 | 170 | | 263,5 | | | 80,75 | 102 | 28,00 | |
| 236 | | 91402368 | 6 | 7 | 3535 | 246,2 | 180 | | 161,5 | | | 36,25 | 89 | 21,30 |
| 250 | | 91402502 | 2 | 6 | 3020 | 260,2 | 198 | | 59,5 | | | 8,5 | 51 | 15,00 |
| | | 91402503 | 3 | 7 | 3020 | 260,2 | 198 | | 85 | | | 17 | 51 | 16,50 |
| | 91402504 | 4 | 7 | 3535 | 260,2 | 198 | | 110,5 | | | 10,75 | 89 | 19,30 | |
| | 91402505 | 5 | 7 | 3535 | 260,2 | 198 | | 136 | | | 23,5 | 89 | 21,50 | |
| | 91402506 | 6 | 7 | 3535 | 260,2 | 198 | | 161,5 | | | 36,25 | 89 | 20,90 | |
| | 91402508 | 8 | 7 | 3535 | 260,2 | 198 | | 212,5 | | | 61,75 | 89 | 29,00 | |
| | 91402510 | 10 | 7 | 4040 | 260,2 | 198 | | 263,5 | | | 80,75 | 102 | 35,00 | |
| | 280 | 91402802 | 2 | 8 | 3535 | 290,2 | 228 | 170 | 59,5 | 89 | 29,5 | | | 18,00 |
| 91402803 | | 3 | 8 | 3535 | 290,2 | 228 | 170 | 85 | 89 | 4 | | | 22,70 | |
| 91402804 | | 4 | 7 | 3535 | 290,2 | 228 | | 110,5 | | | 10,75 | 89 | 25,40 | |
| 91402805 | | 5 | 7 | 3535 | 290,2 | 228 | | 136 | | | 23,5 | 89 | 28,40 | |
| 91402806 | | 6 | 7 | 3535 | 290,2 | 228 | | 161,5 | | | 36,25 | 89 | 31,50 | |
| 91402808 | | 8 | 7 | 3535 | 290,2 | 228 | | 212,5 | | | 61,75 | 89 | 36,10 | |
| 91402810 | | 10 | 7 | 4040 | 290,2 | 222 | | 263,5 | | | 80,75 | 102 | 42,10 | |
| 300 | | 91403002 | 2 | 8 | 3535 | 310,2 | 247 | 170 | 59,5 | 89 | 29,5 | | | 21,00 |
| | 91403003 | 3 | 10 | 3535 | 310,2 | 247 | 170 | 85 | 89 | 2 | | | 22,60 | |
| | 91403004 | 4 | 9 | 3535 | 310,2 | 247 | 170 | 110,5 | | | 10,75 | 89 | 25,00 | |
| | 91403005 | 5 | 9 | 3535 | 310,2 | 247 | 170 | 136 | | | 23,5 | 89 | 28,50 | |
| | 91403006 | 6 | 9 | 3535 | 310,2 | 247 | 170 | 161,5 | | | 36,25 | 89 | 31,50 | |
| | 91403008 | 8 | 7 | 4040 | 310,2 | 247 | 170 | 212,5 | | | 55,25 | 102 | 37,10 | |
| | 91403010 | 10 | 7 | 4545 | 310,2 | 242 | 170 | 263,5 | | | 74,75 | 114 | 44,10 | |
| | 315 | 91403152 | 2 | 8 | 3535 | 325,2 | 264 | 170 | 59,5 | 89 | 29,5 | | | 21,00 |
| | | 91403153 | 3 | 10 | 3535 | 325,2 | 264 | 170 | 85 | 89 | 2 | | | 22,00 |
| | | 91403154 | 4 | 9 | 3535 | 325,2 | 264 | 170 | 110,5 | | | 10,75 | 89 | 25,30 |
| 91403155 | | 5 | 9 | 3535 | 325,2 | 264 | 170 | 136 | | | 23,5 | 89 | 28,10 | |
| 91403156 | | 6 | 9 | 3535 | 325,2 | 264 | 170 | 161,5 | | | 36,25 | 89 | 33,20 | |
| 91403157 | | 8 | 7 | 4040 | 325,2 | 258 | 170 | 212,5 | | | 55,25 | 102 | 40,00 | |
| 91403158 | | 10 | 7 | 4545 | 325,2 | 258 | 170 | 263,5 | | | 74,75 | 114 | 47,00 | |

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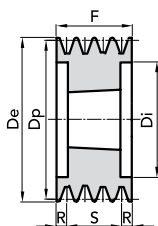


V-BELT PULLEYS for TAPER BUSHES

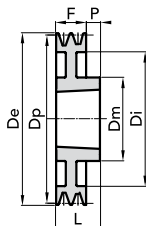
TAPER BUSHES

SPC TYPE

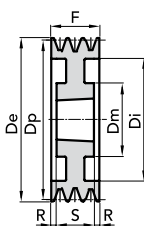
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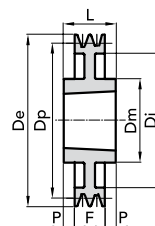
EXEC. 7



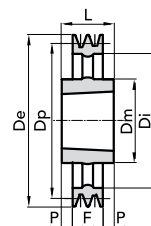
EXEC. 8



EXEC. 9



EXEC. 10



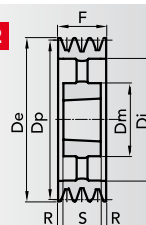
EXEC. 11

V-BELT PULLEYS for TAPER BUSHES

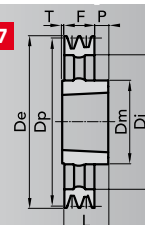
| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | T | WEIGHT |
|----------|-----------|----------|-------|-------|-------|-------|------|-------|----|------|-------|-----|---|--------|
| GROOVES | | | | | | | | | | | | | | Kg. |
| 335 | 91403352 | 2 | 8 | 3535 | 345,2 | 279 | 170 | 59,5 | 89 | 29,5 | | | | 22,00 |
| | 91403353 | 3 | 10 | 3535 | 345,2 | 279 | 170 | 85 | 89 | 2 | | | | 24,10 |
| | 91403354 | 4 | 9 | 3535 | 345,2 | 279 | 170 | 110,5 | | | 10,75 | 89 | | 27,50 |
| | 91403355 | 5 | 9 | 3535 | 345,2 | 279 | 170 | 136 | | | 23,5 | 89 | | 31,00 |
| | 91403356 | 6 | 9 | 3535 | 345,2 | 279 | 170 | 161,5 | | | 36,25 | 89 | | 37,50 |
| | 91403358 | 8 | 9 | 4040 | 345,2 | 279 | 200 | 212,5 | | | 55,25 | 102 | | 44,00 |
| | 91403310 | 10 | 7 | 4545 | 345,2 | 279 | | 263,5 | | | 74,75 | 114 | | 51,00 |
| 355 | 91403552 | 2 | 8 | 3535 | 365,2 | 304 | 170 | 59,5 | 89 | 29,5 | | | | 23,00 |
| | 91403553 | 3 | 10 | 3535 | 365,2 | 304 | 170 | 85 | 89 | 2 | | | | 26,20 |
| | 91403554 | 4 | 9 | 3535 | 365,2 | 304 | 170 | 110,5 | | | 10,75 | 89 | | 29,30 |
| | 91403555 | 5 | 9 | 3535 | 365,2 | 304 | 170 | 136 | | | 23,5 | 89 | | 33,50 |
| | 91403556 | 6 | 9 | 3535 | 365,2 | 304 | 170 | 161,5 | | | 36,25 | 89 | | 40,50 |
| | 91403558 | 8 | 7 | 4040 | 365,2 | 304 | | 212,5 | | | 55,25 | 102 | | 49,00 |
| | 91403510 | 10 | 7 | 4545 | 365,2 | 299 | | 263,5 | | | 74,75 | 114 | | 57,00 |
| 400 | 91404002 | 2 | 17 | 3535 | 410,2 | 344 | 170 | 59,5 | 89 | 27,5 | | | 2 | 17,00 |
| | 91404003 | 3 | 11 | 3535 | 410,2 | 344 | 170 | 85 | 89 | 2 | | | | 29,30 |
| | 91404004 | 4 | 12 | 3535 | 410,2 | 344 | 170 | 110,5 | | | 10,75 | 89 | | 33,80 |
| | 91404005 | 5 | 12 | 3535 | 410,2 | 344 | 170 | 136 | | | 23,5 | 89 | | 38,50 |
| | 91404006 | 6 | 9 | 4040 | 410,2 | 344 | 200 | 161,5 | | | 29,75 | 102 | | 48,00 |
| | 91404008 | 8 | 9 | 4545 | 410,2 | 344 | 225 | 212,5 | | | 49,75 | 114 | | 58,00 |
| | 91404010 | 10 | 7 | 5050 | 410,2 | 342 | | 263,5 | | | 68,25 | 127 | | 66,00 |
| 450 | 91404502 | 2 | 17 | 3535 | 460,2 | 394 | 170 | 59,5 | 89 | 27,5 | | | 2 | 27,00 |
| | 91404503 | 3 | 11 | 3535 | 460,2 | 394 | 170 | 85 | 89 | 2 | | | | 34,70 |
| | 91404504 | 4 | 12 | 3535 | 460,2 | 394 | 170 | 110,5 | | | 10,75 | 89 | | 41,30 |
| | 91404505 | 5 | 12 | 4040 | 460,2 | 394 | 200 | 136 | | | 17 | 102 | | 45,30 |
| | 91404506 | 6 | 9 | 4545 | 460,2 | 394 | 225 | 161,5 | | | 23,75 | 114 | | 57,50 |
| | 91404508 | 8 | 9 | 5050 | 460,2 | 394 | 245 | 212,5 | | | 42,75 | 127 | | 70,00 |
| | 91404510 | 10 | 9 | 5050 | 460,2 | 394 | 245 | 263,5 | | | 68,25 | 127 | | 78,00 |
| 500 | 91405003 | 3 | 11 | 3535 | 510,2 | 444 | 170 | 85 | 89 | 2 | | | | 40,00 |
| | 91405004 | 4 | 12 | 3535 | 510,2 | 444 | 170 | 110,5 | | | 10,75 | 89 | | 46,00 |
| | 91405005 | 5 | 12 | 4040 | 510,2 | 444 | 200 | 136 | | | 17 | 102 | | 51,00 |
| | 91405006 | 6 | 12 | 4545 | 510,2 | 444 | 225 | 161,5 | | | 23,75 | 114 | | 67,00 |
| | 91405008 | 8 | 9 | 5050 | 510,2 | 444 | 245 | 212,5 | | | 42,75 | 127 | | 82,50 |
| | 91405010 | 10 | 9 | 5050 | 510,2 | 444 | 245 | 263,5 | | | 68,25 | 127 | | 95,50 |
| | 560 | 91405603 | 3 | 11 | 3535 | 570,2 | 504 | 170 | 85 | 89 | 2 | | | |
| 91405604 | | 4 | 12 | 4040 | 570,2 | 504 | 200 | 110,5 | | | 4,25 | 102 | | 58,00 |
| 91405605 | | 5 | 12 | 4545 | 570,2 | 504 | 225 | 136 | | | 11 | 114 | | 56,70 |
| 91405606 | | 6 | 12 | 5050 | 570,2 | 504 | 245 | 161,5 | | | 17,25 | 127 | | 77,50 |
| 91405608 | | 8 | 12 | 5050 | 570,2 | 504 | 245 | 212,5 | | | 42,75 | 127 | | 94,50 |
| 91405610 | | 10 | 9 | 5050 | 570,2 | 504 | 245 | 263,5 | | | 68,25 | 127 | | 94,70 |

MATERIAL CAST-IRON

EXEC. 12



EXEC. 17



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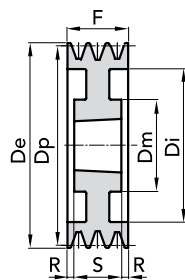
V-BELT PULLEYS for TAPER BUSHES



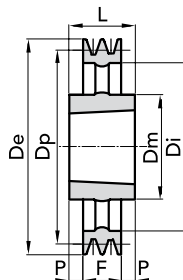
TAPER BUSHES

SPC TYPE

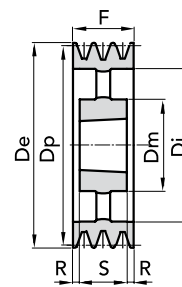
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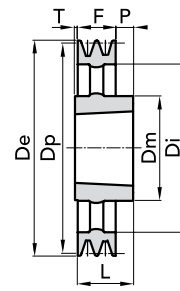
EXEC. 9



EXEC. 11



EXEC. 12



EXEC. 17

| Dp | P. NUMBER | N° | EXEC. | BUSHE | Ø De | Ø Di | Ø Dm | F | L | P | R | S | T | WEIGHT Kg. |
|----------------|-----------|----|-------|-------|--------|------|------|-------|-----|------|-------|-----|-----|---------------|
| GROOVES | | | | | | | | | | | | | | |
| 630 | 91406303 | 3 | 11 | 4040 | 640,2 | 574 | 200 | 85 | 102 | | | | | 76,30 |
| | 91406304 | 4 | 11 | 4545 | 640,2 | 574 | 225 | 110,5 | 114 | 1,75 | | | | 63,80 |
| | 91406305 | 5 | 12 | 5050 | 640,2 | 574 | 245 | 136 | | | 4,5 | 127 | | 73,00 |
| | 91406306 | 6 | 12 | 5050 | 640,2 | 574 | 245 | 161,5 | | | 17,25 | 127 | | 88,50 |
| | 91406308 | 8 | 12 | 5050 | 640,2 | 574 | 245 | 212,5 | | | 42,75 | 127 | | 102,0 |
| | 91406310 | 10 | 9 | 5050 | 640,2 | 574 | 245 | 263,5 | | | 68,25 | 127 | | 113,2 |
| 710 | 91407104 | 4 | 17 | 5050 | 720,2 | 654 | 267 | 110,5 | 127 | 12 | | | 4,5 | 83,20 |
| | 91407105 | 5 | 12 | 5050 | 720,2 | 654 | 245 | 136 | | | | | | 93,00 |
| | 91407106 | 6 | 12 | 5050 | 720,2 | 654 | 245 | 161,5 | | | | | | 107,3 |
| | 91407108 | 8 | 12 | 5050 | 720,2 | 654 | 245 | 212,5 | | | | | | 123,5 |
| | 91407110 | 10 | 12 | 5050 | 720,2 | 654 | 245 | 263,5 | | | | | | 133,4 |
| 800 | 91408003 | 3 | 17 | 5050 | 810,2 | 737 | 245 | 85 | 127 | 38 | | | 4 | 87,00 |
| | 91408004 | 4 | 17 | 5050 | 810,2 | 737 | 245 | 110,5 | 127 | 12 | | | 4,5 | 102,5 |
| | 91408005 | 5 | 12 | 5050 | 810,2 | 737 | 245 | 136 | | | 4,5 | 127 | | 119,0 |
| | 91408006 | 6 | 12 | 5050 | 810,2 | 737 | 245 | 161,5 | | | 17,5 | 127 | | 126,0 |
| | 91408008 | 8 | 12 | 5050 | 810,2 | 737 | 245 | 212,5 | | | 42,75 | 127 | | 145,0 |
| | 91408010 | 10 | 12 | 5050 | 810,2 | 737 | 245 | 263,5 | | | 68,25 | 127 | | 160,0 |
| 1000 | 91410003 | 3 | 17 | 5050 | 1010,2 | 937 | 245 | 85 | 127 | 38 | | | 4 | 120,0 |
| | 91410004 | 4 | 17 | 5050 | 1010,2 | 937 | 245 | 110,5 | 127 | 12 | | | 4,5 | 130,0 |
| | 91410005 | 5 | 12 | 5050 | 1010,2 | 937 | 245 | 136 | | | 4,5 | 127 | | 147,0 |
| | 91410006 | 6 | 12 | 5050 | 1010,2 | 937 | 245 | 161,5 | | | 17,5 | 127 | | 185,0 |
| | 91410008 | 8 | 12 | 5050 | 1010,2 | 937 | 245 | 212,5 | | | 42,75 | 127 | | 207,0 |
| | 91410010 | 10 | 12 | 5050 | 1010,2 | 937 | 245 | 263,5 | | | 68,25 | 127 | | 227,0 |
| 1250 | 91412503 | 3 | 17 | 5050 | 1260,2 | 1187 | 245 | 85 | 127 | 38 | | | 4 | 175,0 |
| | 91412504 | 4 | 17 | 5050 | 1260,2 | 1187 | 245 | 110,5 | 127 | 12 | | | 4,5 | 186,0 |
| | 91412505 | 5 | 12 | 5050 | 1260,2 | 1187 | 245 | 136 | | | 4,5 | 127 | | 210,0 |
| | 91412506 | 6 | 12 | 5050 | 1260,2 | 1187 | 245 | 161,5 | | | 17,5 | 127 | | 258,0 |
| | 91412508 | 8 | 12 | 5050 | 1260,2 | 1187 | 245 | 212,5 | | | 42,75 | 127 | | 285,0 |
| | 91412510 | 10 | 12 | 5050 | 1260,2 | 1187 | 245 | 263,5 | | | 68,25 | 127 | | 300,0 |

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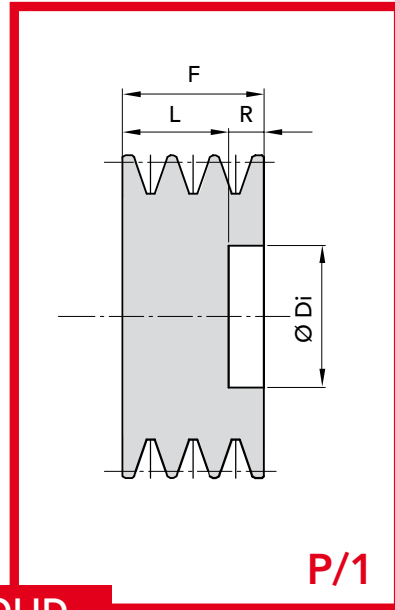
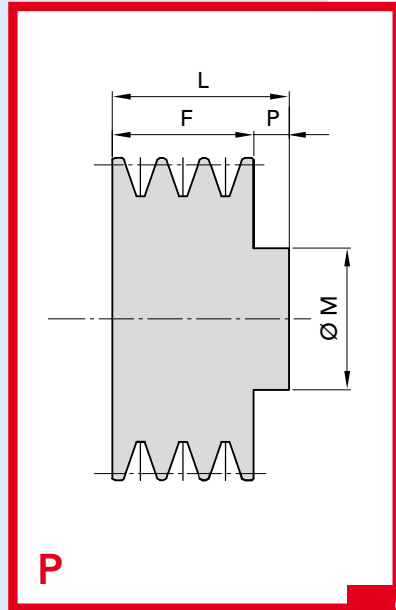
CAST- IRON V-BELT PULLEYS



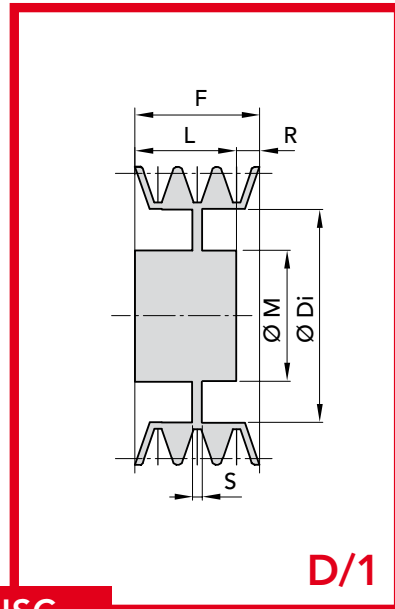
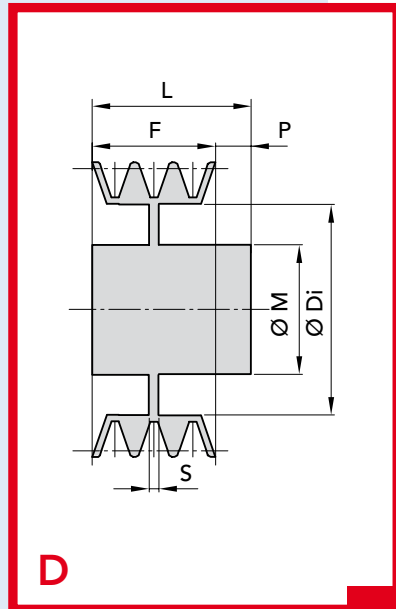
V-PULLEYS PILOT BORE



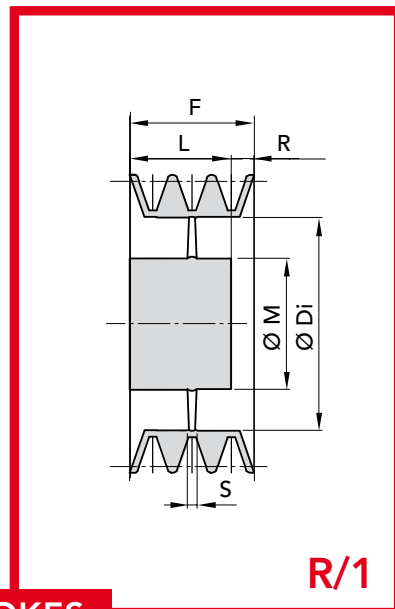
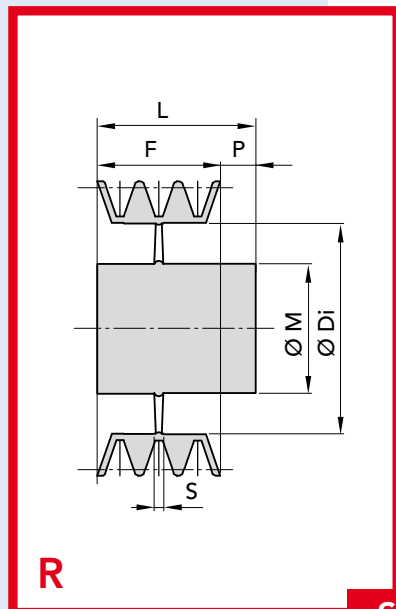
V-PULLEYS PILOT BORE



SOLID



DISC



SPOKES

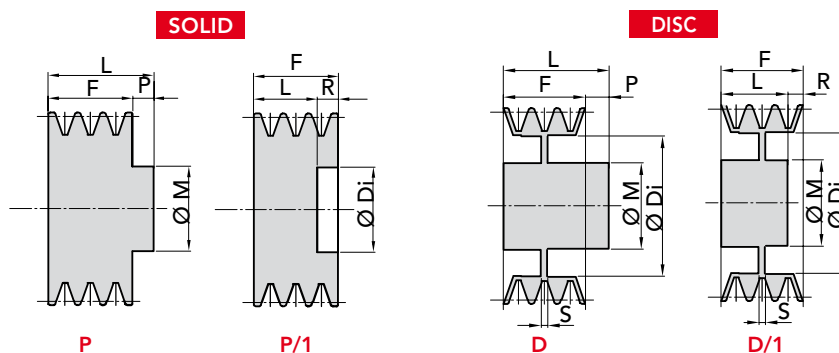


V-PULLEYS PILOT BORE

23

SOLID HUB

SPA TYPE



V-PULLEYS PILOT BORE

| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT |
|---------|-----------|----|-------|----|----|-----|----|----|---|---|--------|
| GROOVES | | | | | | | | | | | Kg. |
| | | | | | | | | | | | min |
| 40 | 91220401 | 1 | P | 40 | 35 | | 20 | 15 | | | 0,20 |
| 50 | 91220501 | 1 | P | 40 | 35 | | 20 | 15 | | | 0,30 |
| | 91220502 | 2 | P | 40 | 45 | | 35 | 10 | | | 0,40 |
| 55 | 91220551 | 1 | P | 40 | 35 | | 20 | 15 | | | 0,40 |
| | 91220552 | 2 | P | 40 | 45 | | 35 | 10 | | | 0,60 |
| 60 | 91220601 | 1 | P | 40 | 35 | | 20 | 15 | | | 0,40 |
| | 91220602 | 2 | P | 40 | 45 | | 35 | 10 | | | 0,65 |
| | 91220603 | 3 | P | 40 | 50 | | 50 | | | | 0,90 |
| 63 | 91220631 | 1 | P | 40 | 35 | | 20 | 20 | | | 0,50 |
| | 91220632 | 2 | P | 40 | 45 | | 35 | 10 | | | 0,70 |
| | 91220633 | 3 | P | 40 | 50 | | 50 | | | | 0,90 |
| 65 | 91220651 | 1 | P | 40 | 40 | | 20 | 20 | | | 0,50 |
| | 91220652 | 2 | P | 50 | 45 | | 35 | 10 | | | 0,75 |
| | 91220653 | 3 | P | 52 | 50 | | 50 | | | | 1,00 |
| 70 | 91220701 | 1 | P | 40 | 40 | | 20 | 20 | | | 0,50 |
| | 91220702 | 2 | P | 50 | 45 | | 35 | 10 | | | 0,80 |
| | 91220703 | 3 | P | 52 | 50 | | 50 | | | | 1,10 |
| | 91220704 | 4 | P | 52 | 65 | | 65 | | | | 1,40 |
| | 91220705 | 5 | P | 52 | 80 | | 80 | | | | 1,70 |
| 75 | 91220751 | 1 | P | 40 | 40 | | 20 | 20 | | | 0,50 |
| | 91220752 | 2 | P | 50 | 45 | | 35 | 10 | | | 1,10 |
| | 91220753 | 3 | P | 52 | 50 | | 50 | | | | 1,50 |
| | 91220754 | 4 | P | 52 | 65 | | 65 | | | | 2,00 |
| | 91220755 | 5 | P | 52 | 80 | | 80 | | | | 2,50 |
| 80 | 91220801 | 1 | P | 45 | 40 | | 20 | 20 | | | 0,50 |
| | 91220802 | 2 | P | 50 | 45 | | 35 | 10 | | | 1,00 |
| | 91220803 | 3 | P | 62 | 50 | | 50 | | | | 1,50 |
| | 91220804 | 4 | P | 62 | 65 | | 65 | | | | 2,00 |
| | 91220805 | 5 | P | 62 | 80 | | 80 | | | | 2,50 |
| 85 | 91220851 | 1 | P | 45 | 40 | | 20 | 20 | | | 0,60 |
| | 91220852 | 2 | P | 50 | 45 | | 35 | 10 | | | 1,20 |
| | 91220853 | 3 | P | 62 | 50 | | 50 | | | | 1,80 |
| | 91220854 | 4 | P | 62 | 65 | | 65 | | | | 2,40 |
| | 91220855 | 5 | P | 62 | 80 | | 80 | | | | 3,00 |
| 90 | 91220901 | 1 | P | 45 | 40 | | 20 | 20 | | | 0,80 |
| | 91220902 | 2 | P | 60 | 45 | | 35 | 10 | | | 1,40 |
| | 91220903 | 3 | P | 62 | 50 | | 50 | | | | 2,00 |
| | 91220904 | 4 | P | 68 | 65 | | 65 | | | | 2,60 |
| | 91220905 | 5 | P | 68 | 80 | | 80 | | | | 3,20 |

| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT |
|---------|-----------|----|-------|----|----|-----|----|----|----|---|--------|
| GROOVES | | | | | | | | | | | Kg. |
| | | | | | | | | | | | min |
| 95 | 91220951 | 1 | P | 45 | 40 | | 20 | 20 | | | 0,70 |
| | 91220952 | 2 | P | 60 | 45 | | 35 | 10 | | | 1,50 |
| | 91220953 | 3 | P | 62 | 50 | | 50 | | | | 2,30 |
| | 91220954 | 4 | P | 68 | 65 | | 65 | | | | 3,10 |
| | 91220955 | 5 | P | 68 | 80 | | 80 | | | | 3,90 |
| 100 | 91221001 | 1 | P | 48 | 40 | | 20 | 20 | | | 0,80 |
| | 91221002 | 2 | P | 60 | 45 | | 35 | 10 | | | 1,30 |
| | 91221003 | 3 | P | 62 | 50 | | 50 | | | | 1,80 |
| | 91221004 | 4 | P/1 | | 52 | 67 | 65 | | 13 | | 2,25 |
| | 91221005 | 5 | P/1 | | 52 | 67 | 80 | | 28 | | 2,10 |
| 105 | 91221051 | 1 | P | 48 | 40 | | 20 | 20 | | | 0,80 |
| | 91221052 | 2 | P | 60 | 45 | | 35 | 10 | | | 1,60 |
| | 91221053 | 3 | P | 62 | 50 | | 50 | | | | 2,40 |
| | 91221054 | 4 | P/1 | | 52 | 67 | 65 | | 13 | | 3,13 |
| | 91221055 | 5 | P/1 | | 52 | 67 | 80 | | 28 | | 3,30 |
| 112 | 91221121 | 1 | P | 48 | 40 | | 20 | 20 | | | 1,00 |
| | 91221122 | 2 | P | 60 | 45 | | 35 | 10 | | | 1,70 |
| | 91221123 | 3 | P | 62 | 50 | | 50 | | | | 2,40 |
| | 91221124 | 4 | P/1 | | 52 | 79 | 65 | | 13 | | 2,64 |
| | 91221125 | 5 | P/1 | | 52 | 79 | 80 | | 28 | | 2,80 |
| 120 | 91221201 | 1 | P | 60 | 40 | | 20 | 20 | | | 1,20 |
| | 91221202 | 2 | P | 60 | 50 | | 35 | 15 | | | 1,85 |
| | 91221203 | 3 | P | 70 | 50 | | 50 | | | | 2,40 |
| | 91221204 | 4 | P/1 | | 52 | 87 | 65 | | 13 | | 2,93 |
| | 91221205 | 5 | P/1 | | 52 | 87 | 80 | | 28 | | 3,70 |
| 125 | 91221251 | 1 | P | 60 | 40 | | 20 | 20 | | | 1,30 |
| | 91221252 | 2 | P | 60 | 50 | | 35 | 15 | | | 1,90 |
| | 91221253 | 3 | P | 70 | 50 | | 50 | | | | 2,50 |
| | 91221254 | 4 | P | | 50 | | 50 | | | | 3,10 |
| 130 | 91221301 | 1 | P | 60 | 45 | | 20 | 20 | | | 1,40 |
| | 91221302 | 2 | P | 60 | 45 | | 35 | 10 | | | 2,20 |
| | 91221303 | 3 | P | 70 | 52 | | 50 | | | | 3,00 |
| | 91221304 | 4 | P/1 | | 52 | 97 | 65 | | 13 | | 3,10 |
| | 91221305 | 5 | P/1 | | 52 | 97 | 80 | | 28 | | 2,80 |
| 140 | 91221401 | 1 | D | 60 | 40 | 107 | 10 | 20 | 20 | | 1,50 |
| | 91221402 | 2 | D | 60 | 50 | 107 | 10 | 35 | 15 | | 2,00 |
| | 91221403 | 3 | D | 70 | 52 | 107 | 12 | 50 | 2 | | 2,50 |
| | 91221404 | 4 | P/1 | | 52 | 107 | 65 | | 13 | | 2,70 |
| | 91221405 | 5 | P/1 | | 52 | 107 | 80 | | 28 | | 1,70 |
| 150 | 91221501 | 1 | D | 60 | 40 | 107 | 10 | 20 | 20 | | 1,60 |
| | 91221502 | 2 | D | 60 | 45 | 107 | 10 | 35 | 10 | | 2,50 |
| | 91221503 | 3 | D | 70 | 52 | 107 | 12 | 50 | 2 | | 3,60 |
| | 91221504 | 4 | P/1 | | 52 | 107 | 65 | | 13 | | 4,40 |
| | 91221505 | 5 | P/1 | | 52 | 107 | 80 | | 28 | | 4,00 |

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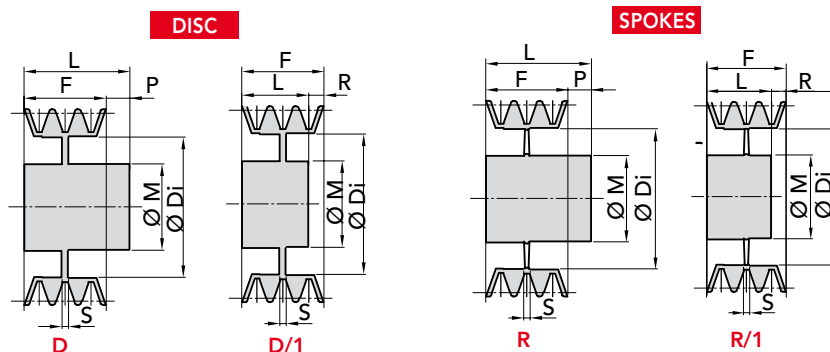
V-PULLEYS PILOT BORE



V-PULLEYS PILOT BORE

SOLID HUB

SPA TYPE



| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT | |
|-----|-----------|----|-------|---------|----|-----|----|----|----|----|--------|-----|
| | | | | GROOVES | | min | | | | | | Kg. |
| 160 | 91221601 | 1 | D | 60 | 40 | 127 | 10 | 20 | 20 | | 1,70 | |
| | 91221602 | 2 | D | 60 | 50 | 127 | 10 | 35 | 15 | | 2,40 | |
| | 91221603 | 3 | D | 70 | 52 | 127 | 12 | 50 | 2 | | 2,80 | |
| | 91221604 | 4 | D/1 | 70 | 52 | 127 | 18 | 65 | | 13 | 2,45 | |
| | 91221605 | 5 | D/1 | 80 | 52 | 127 | 18 | 80 | | 28 | 3,20 | |
| 170 | 91221701 | 1 | D | 60 | 40 | 137 | 12 | 20 | 20 | | 2,00 | |
| | 91221702 | 2 | D | 60 | 45 | 137 | 12 | 35 | 10 | | 2,90 | |
| | 91221703 | 3 | D | 70 | 52 | 137 | 12 | 50 | 2 | | 3,80 | |
| | 91221704 | 4 | D/1 | 80 | 52 | 137 | 18 | 65 | | 13 | 4,10 | |
| | 91221705 | 5 | D/1 | 80 | 52 | 137 | 18 | 80 | | 28 | 4,60 | |
| 180 | 91221801 | 1 | D | 65 | 40 | 147 | 12 | 20 | 20 | | 2,50 | |
| | 91221802 | 2 | D | 70 | 50 | 147 | 12 | 35 | 15 | | 3,10 | |
| | 91221803 | 3 | D | 70 | 52 | 147 | 12 | 50 | 2 | | 4,20 | |
| | 91221804 | 4 | D/1 | 80 | 60 | 147 | 18 | 65 | | 5 | 4,80 | |
| | 91221805 | 5 | D/1 | 80 | 65 | 147 | 18 | 80 | | 15 | 5,00 | |
| 190 | 91221902 | 2 | D | 70 | 50 | 157 | 12 | 35 | 15 | | 3,20 | |
| 200 | 91222001 | 1 | D | 65 | 45 | 167 | 12 | 20 | 25 | | 2,70 | |
| | 91222002 | 2 | D | 70 | 50 | 167 | 12 | 35 | 15 | | 3,70 | |
| | 91222003 | 3 | D | 70 | 50 | 167 | 12 | 50 | | 5 | 4,80 | |
| | 91222004 | 4 | D/1 | 80 | 60 | 167 | 18 | 65 | | 15 | 5,50 | |
| | 91222005 | 5 | D/1 | 80 | 65 | 167 | 18 | 80 | | | 5,80 | |
| 225 | 91222251 | 1 | D | 65 | 45 | 192 | 12 | 20 | 25 | | 3,00 | |
| | 91222252 | 2 | D | 70 | 50 | 192 | 12 | 35 | 15 | | 3,80 | |
| | 91222253 | 3 | D | 80 | 50 | 192 | 12 | 50 | | 5 | 5,00 | |
| | 91222254 | 4 | D/1 | 90 | 60 | 192 | 18 | 65 | | 15 | 5,60 | |
| | 91222255 | 5 | D/1 | 90 | 65 | 192 | 18 | 80 | | | 6,00 | |
| 250 | 91222501 | 1 | D | 75 | 50 | 217 | 12 | 20 | 30 | | 3,70 | |
| | 91222502 | 2 | D | 75 | 50 | 217 | 12 | 35 | 15 | | 4,30 | |
| | 91222503 | 3 | D | 80 | 60 | 217 | 12 | 50 | 10 | | 4,60 | |
| | 91222504 | 4 | D | 90 | 65 | 217 | 18 | 65 | | 15 | 6,10 | |
| | 91222505 | 5 | D/1 | 90 | 65 | 217 | 18 | 80 | | | 6,20 | |
| 280 | 91222801 | 1 | R | 75 | 50 | 247 | 14 | 20 | 30 | | 3,90 | |
| | 91222802 | 2 | R | 80 | 50 | 247 | 14 | 35 | 15 | | 5,30 | |
| | 91222803 | 3 | R | 80 | 60 | 247 | 14 | 50 | 10 | | 6,70 | |
| | 91222804 | 4 | R | 90 | 65 | 247 | 14 | 65 | | 15 | 8,10 | |
| | 91222805 | 5 | R/1 | 100 | 65 | 247 | 14 | 80 | | | 8,80 | |
| 300 | 91223001 | 1 | R | 75 | 50 | 267 | 14 | 20 | 30 | | 4,20 | |
| | 91223002 | 2 | R | 80 | 50 | 267 | 14 | 35 | 15 | | 5,90 | |
| | 91223003 | 3 | R | 80 | 60 | 267 | 14 | 50 | 10 | | 7,60 | |
| | 91223004 | 4 | R | 90 | 70 | 267 | 14 | 65 | 5 | 10 | 9,30 | |
| | 91223005 | 5 | R/1 | 100 | 70 | 267 | 14 | 80 | | | 10,3 | |
| 315 | 91223152 | 2 | R | 80 | 50 | 282 | 14 | 35 | 15 | | 6,60 | |

| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT | |
|-----|-----------|----|-------|---------|----|-----|----|----|----|----|--------|-----|
| | | | | GROOVES | | min | | | | | | Kg. |
| 355 | 91223551 | 1 | R | 75 | 50 | 322 | 14 | 20 | 30 | | 5,50 | |
| | 91223552 | 2 | R | 80 | 50 | 322 | 14 | 35 | 15 | | 7,70 | |
| | 91223553 | 3 | R | 90 | 60 | 322 | 14 | 50 | 10 | | 9,90 | |
| | 91223554 | 4 | R | 95 | 65 | 322 | 18 | 65 | | 15 | 12,10 | |
| | 91223555 | 5 | R/1 | 100 | 65 | 322 | 20 | 80 | | 15 | 13,45 | |
| 400 | 91224001 | 1 | R | 90 | 50 | 367 | 14 | 20 | 30 | | 6,80 | |
| | 91224002 | 2 | R | 90 | 50 | 367 | 14 | 35 | 15 | | 8,80 | |
| | 91224003 | 3 | R | 100 | 60 | 367 | 16 | 50 | 10 | | 11,0 | |
| | 91224004 | 4 | R | 100 | 65 | 367 | 20 | 65 | | | 13,2 | |
| | 91224005 | 5 | R/1 | 100 | 65 | 367 | 24 | 80 | | 15 | 14,5 | |
| 450 | 91224501 | 1 | R | 90 | 50 | 417 | 14 | 20 | 30 | | 7,50 | |
| | 91224502 | 2 | R | 100 | 50 | 417 | 14 | 35 | 15 | | 9,11 | |
| | 91224503 | 3 | R | 100 | 60 | 417 | 16 | 50 | 10 | | 11,30 | |
| | 91224504 | 4 | R/1 | 105 | 65 | 417 | 20 | 65 | | 5 | 12,90 | |
| | 91224505 | 5 | R/1 | 105 | 65 | 417 | 24 | 80 | | 15 | 14,25 | |
| 500 | 91225001 | 1 | R | 90 | 50 | 467 | 14 | 20 | 30 | | 10,50 | |
| | 91225002 | 2 | R | 100 | 50 | 467 | 16 | 35 | 15 | | 10,70 | |
| | 91225003 | 3 | R | 105 | 60 | 467 | 20 | 50 | 10 | | 10,90 | |
| | 91225004 | 4 | R/1 | 105 | 65 | 467 | 25 | 65 | | 5 | 10,80 | |
| | 91225005 | 5 | R/1 | 110 | 65 | 467 | 28 | 80 | | 15 | 11,00 | |
| 560 | 91225601 | 1 | R | 100 | 50 | 527 | 16 | 20 | 30 | | 12,00 | |
| | 91225602 | 2 | R | 100 | 50 | 527 | 20 | 35 | 15 | | 13,20 | |
| | 91225603 | 3 | R | 120 | 65 | 527 | 22 | 50 | 15 | | 13,40 | |
| | 91225604 | 4 | R | 120 | 65 | 527 | 25 | 65 | | | 13,70 | |
| | 91225605 | 5 | R | 120 | 80 | 527 | 30 | 80 | | | 14,00 | |
| 600 | 91226001 | 1 | R | 100 | 50 | 567 | 16 | 20 | 30 | | 14,70 | |
| | 91226002 | 2 | R | 110 | 50 | 567 | 20 | 35 | 15 | | 15,10 | |
| | 91226003 | 3 | R | 120 | 65 | 567 | 22 | 50 | 15 | | 18,80 | |
| | 91226004 | 4 | R | 120 | 65 | 567 | 25 | 65 | | | 22,50 | |
| | 91226005 | 5 | R | 120 | 80 | 567 | 30 | 80 | | | 26,20 | |
| 630 | 91226302 | 2 | R | 110 | 50 | 597 | 20 | 35 | 15 | | 15,40 | |
| | 91226303 | 3 | R | 120 | 65 | 597 | 22 | 50 | 15 | | 19,20 | |
| | 91226304 | 4 | R | 120 | 65 | 597 | 25 | 65 | | | 25,00 | |
| | 91226305 | 5 | R | 120 | 80 | 597 | 30 | 80 | | | 31,00 | |

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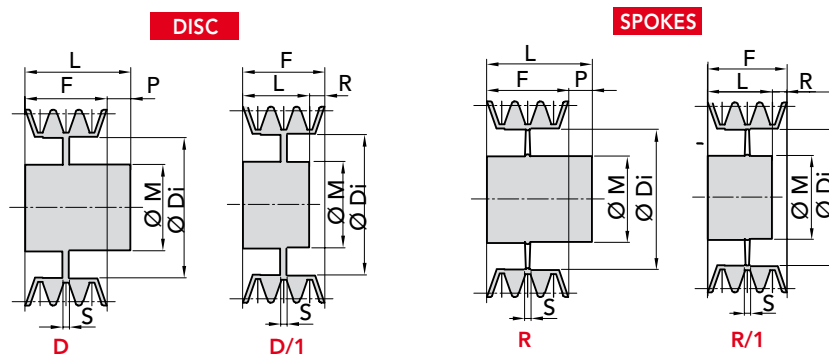
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V-PULLEYS PILOT BORE

SOLID HUB

SPB TYPE



| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT | Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT |
|---------|-----------|----|-------|-----|----|-----|----|-----|----|----|--------|---------|-----------|----|-------|-----|-----|-----|----|-----|----|----|--------|
| GROOVES | | | | | | | | | | | | GROOVES | | | | | | | | | | | |
| min | | | | | | | | | | | | min | | | | | | | | | | | |
| Kg. | | | | | | | | | | | | Kg. | | | | | | | | | | | |
| 200 | 91322001 | 1 | D | 70 | 45 | 158 | 14 | 25 | 20 | | 3,40 | 315 | 91323151 | 1 | R | 76 | 50 | 273 | 15 | 25 | 25 | | 6,40 |
| | 91322002 | 2 | D | 70 | 55 | 158 | 14 | 44 | 11 | | 4,40 | | 91323152 | 2 | R | 88 | 60 | 273 | 15 | 44 | 16 | | 8,20 |
| | 91322003 | 3 | D/1 | 88 | 60 | 158 | 18 | 63 | | 3 | 5,80 | | 91323153 | 3 | R/1 | 90 | 60 | 273 | 18 | 63 | | 3 | 14,0 |
| | 91322004 | 4 | D/1 | 88 | 60 | 158 | 25 | 82 | | 22 | 6,77 | | 91323154 | 4 | R/1 | 96 | 65 | 273 | 20 | 82 | | 17 | 17,0 |
| | 91322005 | 5 | D/1 | 96 | 70 | 158 | 25 | 101 | | 31 | 8,17 | | 91323155 | 5 | R/1 | 104 | 75 | 273 | 22 | 101 | | 26 | 19,0 |
| | 91322006 | 6 | D/1 | 96 | 80 | 158 | 25 | 120 | | 50 | 9,57 | | 91323156 | 6 | R/1 | 120 | 90 | 273 | 22 | 120 | | 30 | 24,0 |
| 212 | 91322121 | 1 | D | 70 | 45 | 170 | 14 | 25 | 20 | | 3,70 | 340 | 91323401 | 1 | R | 80 | 50 | 298 | 15 | 25 | 25 | | 6,70 |
| | 91322122 | 2 | D | 77 | 55 | 170 | 14 | 44 | 11 | | 4,60 | | 91323402 | 2 | R | 88 | 60 | 298 | 15 | 44 | 16 | | 12,5 |
| | 91322123 | 3 | D/1 | 88 | 60 | 170 | 18 | 63 | | 3 | 6,00 | | 91323403 | 3 | R/1 | 92 | 60 | 298 | 18 | 63 | | 3 | 15,0 |
| | 91322124 | 4 | D/1 | 88 | 60 | 170 | 25 | 82 | | 22 | 7,00 | | 91323404 | 4 | R/1 | 96 | 65 | 298 | 20 | 82 | | 17 | 19,0 |
| | 91322125 | 5 | D/1 | 96 | 70 | 170 | 25 | 101 | | 31 | 8,60 | | 91323405 | 5 | R/1 | 104 | 75 | 298 | 22 | 101 | | 26 | 20,0 |
| | 91322126 | 6 | D/1 | 104 | 80 | 170 | 25 | 120 | | 40 | 10,0 | | 91323406 | 6 | R/1 | 120 | 90 | 298 | 22 | 120 | | 30 | 28,0 |
| 224 | 91322244 | 4 | D/1 | 88 | 60 | 170 | 25 | 82 | | 22 | 3,85 | 355 | 91323551 | 1 | R | 80 | 50 | 313 | 16 | 25 | 25 | | 7,00 |
| 225 | 91322251 | 1 | D | 70 | 45 | 183 | 14 | 25 | 20 | | 4,00 | | 91323552 | 2 | R | 88 | 60 | 313 | 18 | 44 | 16 | | 13,0 |
| | 91322252 | 2 | D | 77 | 55 | 183 | 14 | 44 | 11 | | 5,40 | | 91323553 | 3 | R/1 | 92 | 60 | 313 | 22 | 63 | | 3 | 16,0 |
| | 91322253 | 3 | D/1 | 88 | 60 | 183 | 18 | 63 | | 3 | 6,90 | | 91323554 | 4 | R/1 | 96 | 65 | 313 | 22 | 82 | | 17 | 19,0 |
| | 91322254 | 4 | D/1 | 88 | 60 | 183 | 25 | 82 | | 22 | 7,83 | | 91323555 | 5 | R/1 | 104 | 75 | 313 | 24 | 101 | | 26 | 21,0 |
| | 91322255 | 5 | D/1 | 96 | 70 | 183 | 25 | 101 | | 31 | 9,33 | | 91323556 | 6 | R/1 | 120 | 90 | 313 | 24 | 120 | | 30 | 29,0 |
| | 91322256 | 6 | D/1 | 104 | 80 | 183 | 25 | 120 | | 40 | 10,83 | 380 | 91323801 | 1 | R | 85 | 55 | 338 | 20 | 25 | 30 | | 8,00 |
| 236 | 91322364 | 4 | D/1 | 88 | 60 | 170 | 25 | 82 | | 22 | 8,10 | | 91323802 | 2 | R | 88 | 60 | 338 | 20 | 44 | 16 | | 13,5 |
| 250 | 91322501 | 1 | D | 70 | 50 | 208 | 14 | 25 | 25 | | 4,20 | | 91323803 | 3 | R | 96 | 65 | 338 | 22 | 63 | 2 | | 17,0 |
| | 91322502 | 2 | D | 77 | 55 | 208 | 14 | 44 | 11 | | 6,10 | | 91323804 | 4 | R/1 | 104 | 75 | 338 | 24 | 82 | | 7 | 20,0 |
| | 91322503 | 3 | D/1 | 88 | 60 | 208 | 18 | 63 | | 3 | 8,60 | | 91323805 | 5 | R/1 | 112 | 85 | 338 | 24 | 101 | | 16 | 23,0 |
| | 91322504 | 4 | D/1 | 96 | 65 | 208 | 25 | 82 | | 17 | 10,36 | | 91323806 | 6 | R/1 | 120 | 100 | 338 | 28 | 120 | | 20 | 30,0 |
| | 91322505 | 5 | D/1 | 104 | 75 | 208 | 25 | 101 | | 26 | 12,86 | 400 | 91324001 | 1 | R | 85 | 55 | 358 | 20 | 25 | 30 | | 9,80 |
| | 91322506 | 6 | D/1 | 104 | 80 | 208 | 25 | 120 | | 40 | 15,36 | | 91324002 | 2 | R | 88 | 60 | 358 | 20 | 44 | 16 | | 14,0 |
| 280 | 91322801 | 1 | R | 76 | 50 | 238 | 14 | 25 | 25 | | 5,70 | | 91324003 | 3 | R | 96 | 65 | 358 | 22 | 63 | 2 | | 18,0 |
| | 91322802 | 2 | R | 80 | 55 | 238 | 14 | 44 | 11 | | 7,00 | | 91324004 | 4 | R/1 | 104 | 75 | 358 | 24 | 82 | | 7 | 21,0 |
| | 91322803 | 3 | R/1 | 90 | 60 | 238 | 18 | 63 | | 3 | 9,60 | | 91324005 | 5 | R/1 | 112 | 85 | 358 | 24 | 101 | | 16 | 24,0 |
| | 91322804 | 4 | R/1 | 96 | 65 | 238 | 25 | 82 | | 17 | 12,06 | | 91324006 | 6 | R/1 | 120 | 100 | 358 | 28 | 120 | | 20 | 32,0 |
| | 91322805 | 5 | R/1 | 104 | 75 | 238 | 25 | 101 | | 26 | 13,91 | 425 | 91324503 | 3 | R | 96 | 65 | 383 | 24 | 63 | 2 | | 19,0 |
| | 91322806 | 6 | R/1 | 104 | 80 | 238 | 25 | 120 | | 40 | 17,0 | | 91324504 | 4 | R/1 | 104 | 75 | 383 | 24 | 82 | | 7 | 22,0 |
| 300 | 91323001 | 1 | R | 76 | 50 | 258 | 15 | 25 | 25 | | 6,50 | | 91324505 | 5 | R/1 | 112 | 85 | 383 | 28 | 101 | | 16 | 26,0 |
| | 91323002 | 2 | R | 80 | 55 | 258 | 15 | 44 | 11 | | 7,50 | | 91324256 | 6 | R/1 | 120 | 100 | 358 | 28 | 120 | | 20 | 35,0 |
| | 91323003 | 3 | R/1 | 90 | 60 | 258 | 18 | 63 | | 3 | 12,0 | | | | | | | | | | | | |
| | 91323004 | 4 | R/1 | 96 | 65 | 258 | 20 | 82 | | 17 | 16,0 | | | | | | | | | | | | |
| | 91323005 | 5 | R/1 | 104 | 75 | 258 | 22 | 101 | | 26 | 19,0 | | | | | | | | | | | | |
| | 91323006 | 6 | R/1 | 104 | 80 | 258 | 22 | 120 | | 40 | 23,0 | | | | | | | | | | | | |

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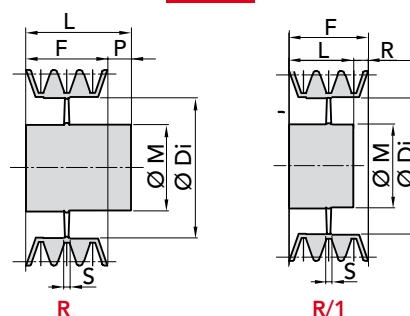
V-PULLEYS PILOT BORE

27

SOLID HUB

SPB TYPE

SPOKES



V-PULLEYS PILOT BORE

| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT |
|---------|-----------|----|-------|-----|-----|-----|-----|-----|----|----|--------|
| | | | | min | | | Kg. | | | | |
| GROOVES | | | | | | | | | | | |
| 450 | 91324501 | 1 | R | 90 | 60 | 408 | 20 | 25 | 35 | | 10,00 |
| | 91324502 | 2 | R | 90 | 60 | 408 | 20 | 44 | 16 | | 14,50 |
| | 91324503 | 3 | R | 96 | 65 | 408 | 24 | 63 | 2 | | 22,00 |
| | 91324504 | 4 | R/1 | 104 | 75 | 408 | 26 | 82 | | 7 | 25,00 |
| | 91324505 | 5 | R/1 | 112 | 85 | 408 | 26 | 101 | | 16 | 28,50 |
| | 91324506 | 6 | R/1 | 120 | 100 | 408 | 30 | 120 | | 20 | 36,00 |
| 500 | 91325001 | 1 | R | 100 | 60 | 458 | 20 | 25 | 35 | | 11,00 |
| | 91325002 | 2 | R | 100 | 65 | 458 | 20 | 44 | 21 | | 15,00 |
| | 91325003 | 3 | R | 104 | 75 | 458 | 24 | 63 | 12 | | 24,00 |
| | 91325004 | 4 | R | 112 | 85 | 458 | 26 | 82 | 3 | | 27,50 |
| | 91325005 | 5 | R/1 | 120 | 90 | 458 | 30 | 101 | | 11 | 31,00 |
| | 91325006 | 6 | R/1 | 129 | 105 | 458 | 30 | 120 | | 15 | 39,00 |
| 560 | 91325601 | 1 | R | 100 | 60 | 518 | 20 | 25 | 35 | | 15,00 |
| | 91325602 | 2 | R | 100 | 65 | 518 | 20 | 44 | 21 | | 17,00 |
| | 91325603 | 3 | R | 104 | 75 | 518 | 24 | 63 | 12 | | 29,50 |
| | 91325604 | 4 | R | 112 | 85 | 518 | 26 | 82 | 3 | | 34,00 |
| | 91325605 | 5 | R/1 | 120 | 90 | 518 | 30 | 101 | | 11 | 36,00 |
| | 91325606 | 6 | R/1 | 128 | 105 | 518 | 35 | 120 | | 15 | 48,00 |
| 600 | 91326001 | 1 | R | 100 | 60 | 558 | 22 | 25 | 35 | | 16,00 |
| | 91326002 | 2 | R | 100 | 65 | 558 | 22 | 44 | 21 | | 18,00 |
| | 91326003 | 3 | R | 104 | 75 | 558 | 28 | 63 | 12 | | 31,00 |
| | 91326004 | 4 | R | 115 | 85 | 558 | 28 | 82 | 3 | | 35,00 |
| | 91326005 | 5 | R/1 | 120 | 90 | 558 | 30 | 101 | | 11 | 42,00 |
| | 91326006 | 6 | R/1 | 128 | 105 | 558 | 35 | 120 | | 15 | 49,00 |
| 630 | 91326301 | 1 | R | 100 | 60 | 588 | 22 | 25 | 35 | | 18,00 |
| | 91326302 | 2 | R | 100 | 65 | 588 | 28 | 44 | 21 | | 19,00 |
| | 91326303 | 3 | R | 104 | 75 | 588 | 28 | 63 | 12 | | 33,00 |
| | 91326304 | 4 | R | 120 | 85 | 588 | 32 | 82 | 3 | | 36,00 |
| | 91326305 | 5 | R/1 | 128 | 90 | 588 | 32 | 101 | | 11 | 48,00 |

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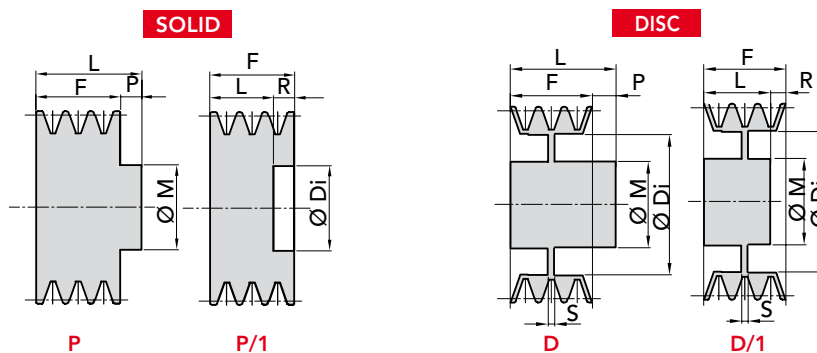
V-PULLEYS PILOT BORE



V-PULLEYS PILOT BORE

SOLID HUB

SPC TYPE



| Dp | P. NUMBER | N° | EXEC. | ØM | L | ØDi | S | F | P | R | WEIGHT |
|---------|-----------|----|-------|-----|------|-----|----|------|------|---|--------|
| GROOVES | | | | | | | | | | | |
| min | | | | | | | | | | | |
| Kg. | | | | | | | | | | | |
| 120 | 91421201 | 1 | P | 65 | 50 | | | 34 | 16 | | 2,30 |
| | 91421202 | 2 | P | 65 | 65 | | | 59,5 | 5,5 | | 2,60 |
| 140 | 91421401 | 1 | P | 70 | 55 | | | 34 | 21 | | 2,10 |
| | 91421402 | 2 | P | | 59,5 | | | 59,5 | | | 2,90 |
| | 91421403 | 3 | P/1 | | 65 | 83 | | 85 | 20 | | 3,90 |
| | 91421404 | 4 | P/1 | | 80 | 83 | | 111 | 30,5 | | 4,74 |
| 150 | 91421501 | 1 | P | 70 | 50 | | | 34 | 16 | | 3,10 |
| | 91421502 | 2 | P | 72 | 59,5 | | | 59,5 | | | 3,90 |
| | 91421503 | 3 | P/1 | | 65 | 93 | | 85 | 20 | | 4,70 |
| | 91421504 | 4 | P/1 | | 80 | 93 | | 111 | 30,5 | | 5,70 |
| | 91421505 | 5 | P/1 | | 96 | 93 | | 136 | 40 | | 6,70 |
| 160 | 91421601 | 1 | P | 72 | 50 | | | 34 | 16 | | 3,70 |
| | 91421602 | 2 | P | | 59,5 | | | 59,5 | | | 4,60 |
| | 91421603 | 3 | P/1 | | 65 | 103 | | 85 | 20 | | 5,70 |
| | 91421604 | 4 | P/1 | | 80 | 103 | | 111 | 30,5 | | 7,00 |
| | 91421605 | 5 | P/1 | | 96 | 103 | | 136 | 40 | | 8,30 |
| 180 | 91421801 | 1 | D | 76 | 50 | 123 | 16 | 34 | 16 | | 3,10 |
| | 91421802 | 2 | D | 80 | 60 | 123 | 16 | 59,5 | 0,5 | | 3,90 |
| | 91421803 | 3 | D/1 | 82 | 65 | 123 | 18 | 85 | 20 | | 5,20 |
| | 91421804 | 4 | D/1 | 82 | 80 | 123 | 20 | 111 | 30,5 | | 6,18 |
| | 91421805 | 5 | D/1 | 82 | 96 | 123 | 20 | 136 | 40 | | 7,48 |
| 200 | 91422001 | 1 | D | 76 | 50 | 143 | 16 | 34 | 16 | | 3,40 |
| | 91422002 | 2 | D | 80 | 60 | 143 | 16 | 59,5 | 0,5 | | 4,80 |
| | 91422003 | 3 | D/1 | 86 | 65 | 143 | 18 | 85 | 20 | | 5,80 |
| | 91422004 | 4 | D/1 | 90 | 90 | 143 | 25 | 111 | 20,5 | | 6,70 |
| | 91422005 | 5 | D/1 | 90 | 100 | 143 | 25 | 136 | 36 | | 8,70 |
| 225 | 91422251 | 1 | D | 86 | 50 | 168 | 18 | 34 | 16 | | 5,50 |
| | 91422252 | 2 | D | 88 | 60 | 168 | 18 | 59,5 | 0,5 | | 6,90 |
| | 91422253 | 3 | D/1 | 90 | 70 | 168 | 25 | 85 | 15 | | 7,83 |
| | 91422254 | 4 | D/1 | 90 | 90 | 168 | 25 | 111 | 20,5 | | 9,33 |
| | 91422255 | 5 | D/1 | 90 | 100 | 168 | 25 | 136 | 36 | | 10,83 |
| 250 | 91422501 | 1 | D | 86 | 50 | 193 | 18 | 34 | 16 | | 7,30 |
| | 91422502 | 2 | D | 92 | 60 | 193 | 18 | 59,5 | 0,5 | | 8,60 |
| | 91422503 | 3 | D/1 | 92 | 70 | 193 | 25 | 85 | 15 | | 10,36 |
| | 91422504 | 4 | D/1 | 100 | 90 | 193 | 25 | 111 | 20,5 | | 12,86 |
| | 91422505 | 5 | D/1 | 102 | 100 | 193 | 25 | 136 | 36 | | 15,36 |

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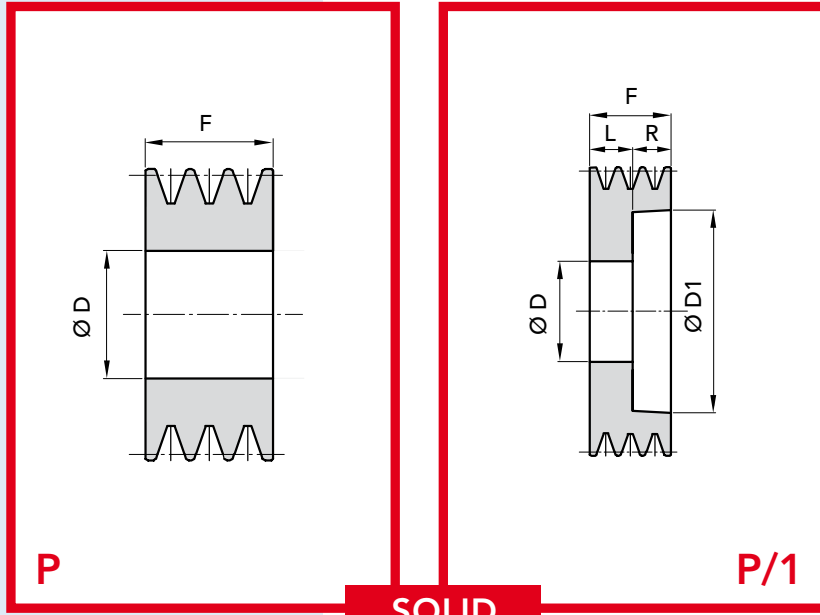
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V-BELT PULLEYS for LOCKING DEVICES

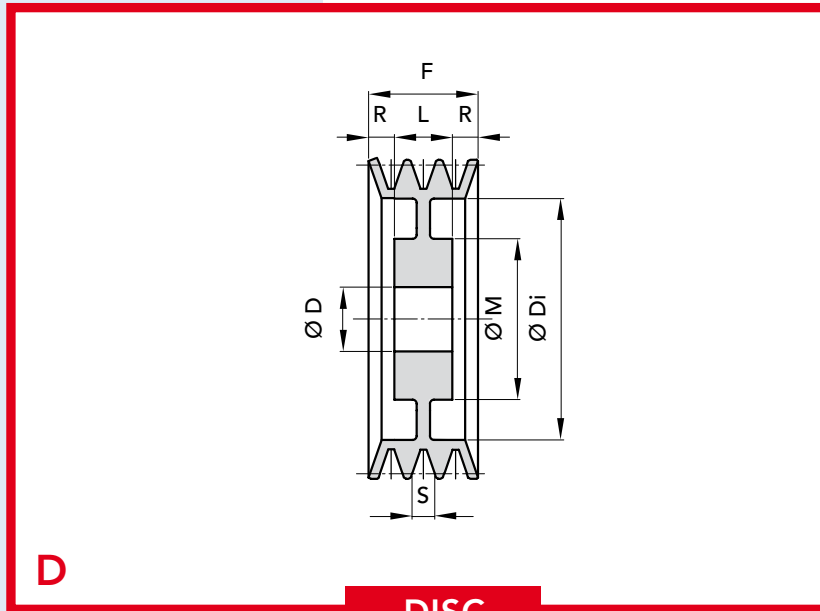
V-BELT PULLEYS for LOCKING DEVICES



P

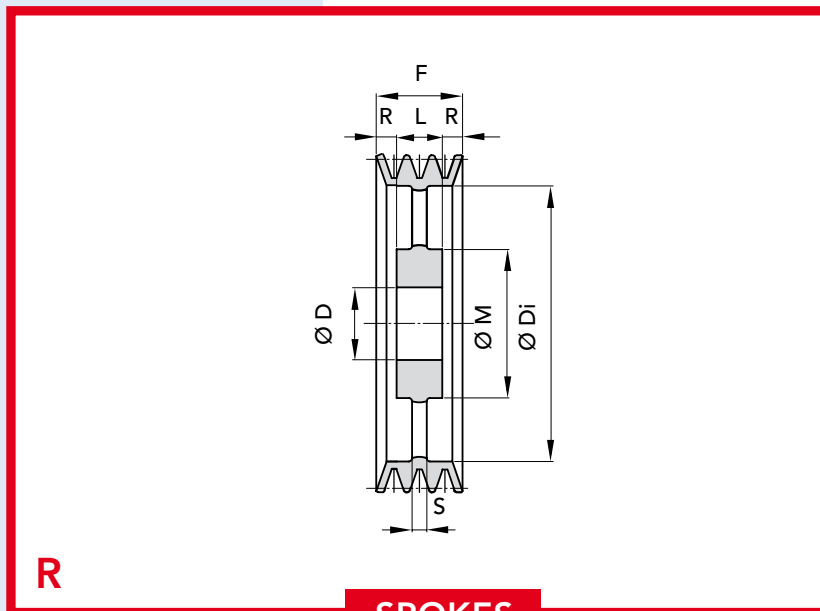
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SOLID



D

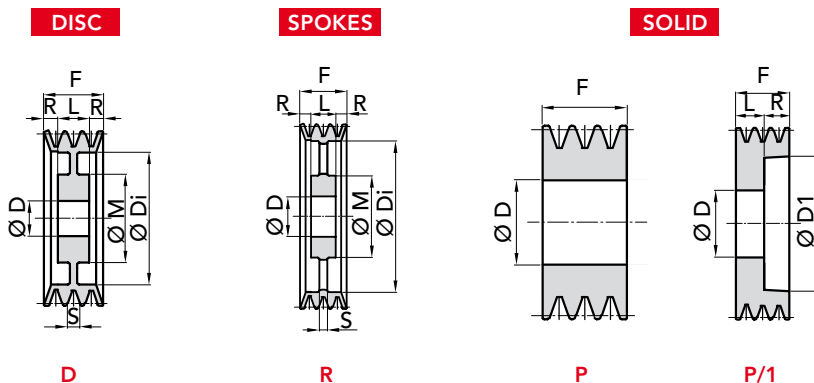
DISC



R

SPOKES

V-BELT PULLEYS for LOCKING DEVICES


V-BELT PULLEYS for LOCKING DEVICES SPA
for LOCKING DEVICES
SPA TYPE


| Dp | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | N° GROOVES | EXEC. | F | L | Ø M | R | Ø Di | S | WEIGHT Kg. |
|-----|----------------------|----------------------|----------------------|---------------|-------|----|----|-----|------|------|----|---------------|
| 90 | 91250902 | | | 2 | P | 35 | | | | | | 0,20 |
| | 91250903 | | | 3 | P | 50 | | | | | | 1,10 |
| | 91250905 | | | 5 | P | 80 | | | | | | 2,00 |
| 95 | 91250952 | | | 2 | P | 35 | | | | | | 0,85 |
| 100 | 91251001 | | | 1 | P | 20 | | | | | | 0,50 |
| | 91251002 | 91261002 | | 2 | P | 35 | | | | | | 0,90 |
| | 91251003 | | | 3 | P | 50 | | | | | | 1,30 |
| 105 | 91251052 | | | 2 | P | 35 | | | | | | 0,95 |
| 120 | 91251202 | | | 2 | P/1 | 35 | 27 | | 8 | 88 | | 1,00 |
| 125 | | 91261252 | | 2 | P/1 | 35 | 27 | | 8 | 92 | | 1,00 |
| | | 91261253 | | 3 | P/1 | 50 | 27 | | 23 | 92 | | 1,80 |
| | | 91261254 | | 4 | P/1 | 65 | 27 | | 38 | 92 | | 2,40 |
| 130 | | 91261303 | | 3 | P/1 | 50 | 27 | | 23 | 97 | | 1,75 |
| 140 | | 91261403 | | 4 | P/1 | 65 | 27 | | 38 | 107 | | 1,50 |
| 150 | 91251502 | | | 2 | P/1 | 35 | 27 | | 8 | 117 | | 1,35 |
| | | 91261504 | | 4 | P/1 | 65 | 27 | | 38 | 117 | | 2,15 |
| 160 | 91251602 | 91261602 | | 2 | P/1 | 35 | 27 | | 8 | 127 | | 1,50 |
| | | 91261603 | | 3 | P/1 | 50 | 27 | | 23 | 127 | | 1,90 |
| 170 | 91251702 | | | 2 | D | 35 | 27 | | 4 | 137 | 27 | 1,60 |
| 180 | 91251802 | 91261802 | | 2 | D | 35 | 27 | | 4 | 147 | 27 | 1,70 |
| | 91251803 | 91271803 | | 3 | D | 50 | 27 | | 11,5 | 147 | 27 | 2,40 |
| 190 | | 91261902 | | 2 | D | 35 | 27 | 120 | 4 | 157 | 12 | 1,80 |
| | | 91261903 | | 3 | D | 50 | 27 | 120 | 11,5 | 157 | 12 | 2,50 |
| 200 | 91252002 | 91262002 | | 2 | D | 35 | 27 | 120 | 4 | 167 | 12 | 1,90 |
| | | 91262003 | | 3 | D | 50 | 27 | 120 | 11,5 | 167 | 14 | 2,60 |
| | | 91262004 | | 4 | D | 65 | 27 | 120 | 19 | 167 | 14 | 3,30 |
| 225 | 91252252 | 91262252 | | 2 | D | 35 | 27 | 120 | 4 | 192 | 12 | 2,20 |
| | | 91262253 | | 3 | D | 50 | 27 | 120 | 11,5 | 192 | 14 | 2,80 |
| 250 | 91252502 | | | 2 | R | 35 | 27 | 130 | 4 | 217 | 14 | 2,80 |
| | | | 91282503 | 3 | R | 50 | 27 | 130 | 11,5 | 217 | 14 | 3,50 |
| | | 91262504 | | 4 | R | 65 | 27 | 130 | 19 | 217 | 14 | 4,20 |
| 300 | | | 91283004 | 4 | R | 65 | 27 | 130 | 19 | 267 | 14 | 3,40 |

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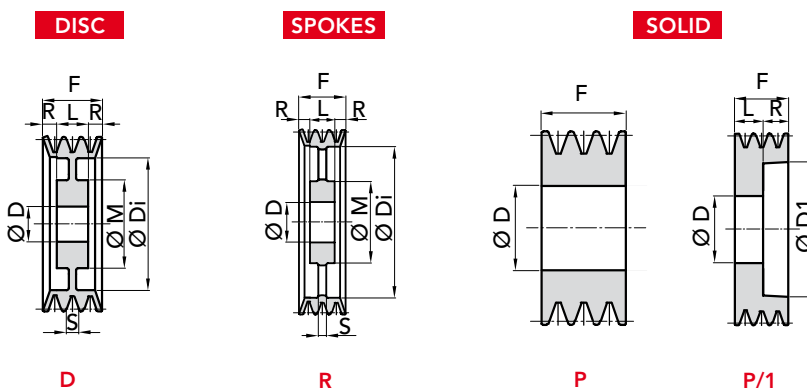


V-BELT PULLEYS for LOCKING DEVICES

31

for LOCKING DEVICES

SPB TYPE



| Dp | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | N° GROOVES | EXEC. | F | L | Ø M | R | Ø Di | S | WEIGHT Kg. |
|-----|----------------------|----------------------|----------------------|---------------|-------|-----|----|-----|------|------|----|---------------|
| 112 | 91351121 | | | 1 | P | 25 | | | | | | 1,50 |
| | 91351122 | | | 2 | P/1 | 44 | 27 | | 17 | 70 | | 1,90 |
| 120 | | 91361202 | | 2 | P/1 | 44 | 27 | | 17 | 78 | | 2,10 |
| | | 91361203 | | 3 | P/1 | 63 | 27 | | 36 | 78 | | 3,80 |
| | | 91361204 | | 4 | P/1 | 82 | 27 | | 55 | 78 | | 4,20 |
| 125 | 91351251 | | | 1 | P | 25 | | | | | | 1,90 |
| | | 91371252 | | 2 | P/1 | 44 | 27 | | 17 | 83 | | 2,40 |
| | | 91361253 | | 3 | P/1 | 63 | 27 | | 36 | 83 | | 4,00 |
| 130 | | 91361302 | 91381302 | 2 | P/1 | 44 | 27 | | 17 | 90 | | 2,60 |
| | | 91361303 | 91381303 | 3 | P/1 | 63 | 27 | | 36 | 90 | | 4,20 |
| | | 91361304 | 91381304 | 4 | P/1 | 82 | 27 | | 55 | 90 | | 5,00 |
| | | | 91381305 | 5 | P/1 | 101 | 27 | | 74 | 90 | | 5,50 |
| | | | 91381306 | 6 | P/1 | 120 | 27 | | 93 | 90 | | 6,00 |
| | | | | | | | | | | | | |
| 140 | 91351402 | 91361402 | 91381402 | 2 | P/1 | 44 | 27 | | 17 | 98 | | 2,90 |
| | | 91361403 | 91381403 | 3 | P/1 | 63 | 27 | | 36 | 98 | | 4,40 |
| | | 91361404 | 91381404 | 4 | P/1 | 82 | 27 | | 55 | 98 | | 5,30 |
| | | | 91381405 | 5 | P/1 | 101 | 27 | | 74 | 98 | | 5,80 |
| | | | | | | | | | | | | |
| 150 | 91351501 91351502 | 91361501 | | 1 | P | 25 | | | | | | 2,40 |
| | | 91361502 | 91381502 | 2 | P/1 | 44 | 27 | | 17 | 108 | | 3,20 |
| | | 91361503 | 91381503 | 3 | P/1 | 63 | 27 | | 36 | 108 | | 4,60 |
| | | 91361504 | 91381504 | 4 | P/1 | 82 | 27 | | 55 | 108 | | 5,50 |
| | | | 91381505 | 5 | P/1 | 101 | 27 | | 74 | 108 | | 6,00 |
| 160 | 91351601 | 91361601 | | 1 | P | 25 | | | | | | 2,50 |
| | | 91361602 | 91381602 | 2 | P/1 | 44 | 27 | | 17 | 118 | | 3,30 |
| | | 91361603 | 91381603 | 3 | P/1 | 63 | 27 | | 36 | 118 | | 4,80 |
| | | | 91381604 | 4 | P/1 | 82 | 27 | | 55 | 118 | | 5,70 |
| | | | 91381605 | 5 | P/1 | 101 | 27 | | 74 | 118 | | 7,00 |
| | | | 91381606 | 6 | P/1 | 120 | 27 | | 93 | 118 | | 8,30 |
| 170 | | | 91381702 | 2 | D | 44 | 27 | | 8,5 | 128 | 27 | 3,40 |
| | | 91361703 | 91381703 | 3 | D | 63 | 27 | | 18 | 128 | 27 | 5,10 |
| | | | 91381704 | 4 | D | 82 | 27 | | 27,5 | 128 | 27 | 5,90 |
| | | | 91381705 | 5 | D | 101 | 27 | | 37 | 128 | 27 | 7,40 |
| | | | | | | | | | | | | |
| 180 | | | | 1 | P | 25 | | | | | | 3,10 |
| | | 91361802 | 91381802 | 2 | D | 44 | 27 | | 8,5 | 138 | 27 | 3,90 |
| | | 91361803 | 91381803 | 3 | D | 63 | 27 | | 18 | 138 | 27 | 5,20 |
| | | 91361804 | 91381804 | 4 | D | 82 | 27 | | 27,5 | 138 | 27 | 6,20 |
| | | | 91381805 | 5 | D | 101 | 27 | | 37 | 138 | 27 | 7,50 |
| | | | 91381806 | 6 | D | 120 | 27 | | 46,5 | 138 | 27 | 8,90 |

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V-BELT PULLEYS for LOCKING DEVICES SPB

V-BELT PULLEYS for LOCKING DEVICES

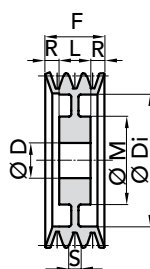


V-BELT PULLEYS for LOCKING DEVICES SPB

for LOCKING DEVICES

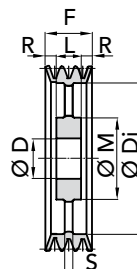
SPB TYPE

DISC



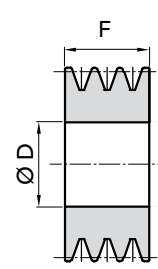
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SPOKES

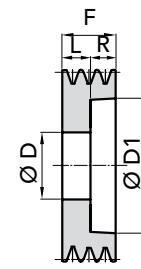


R

SOLID



P



P/1

| Dp | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | N° GROOVES | EXEC. | F | L | Ø M | R | Ø Di | S | WEIGHT Kg. |
|-----|----------------------|--|----------------------|---------------|-------|-----|----|-----|------|------|----|---------------|
| 190 | | 91361901 | 91381902 | 1 | P | 25 | | | | | | 3,50 |
| | | | 91381903 | 2 | D | 44 | 27 | | 8,5 | 148 | 27 | 6,50 |
| | | | 91381904 | 3 | D | 63 | 27 | | 18 | 148 | 27 | 7,00 |
| | | | 91381905 | 4 | D | 82 | 27 | | 27,5 | 148 | 27 | 8,00 |
| | | | | 5 | D | 101 | 27 | | 37 | 148 | 27 | 9,00 |
| 200 | | 91362001 91372002 91362003 91362004 | 91382001 | 1 | P | 25 | | | | | | 4,00 |
| | | | 91382002 | 2 | D | 44 | 27 | 120 | 8,5 | 158 | 15 | 7,00 |
| | | | 91382003 | 3 | D | 63 | 27 | 120 | 18 | 158 | 15 | 8,00 |
| | | | 91382004 | 4 | D | 82 | 27 | 120 | 27,5 | 158 | 15 | 9,00 |
| | | | 91382005 | 5 | D | 101 | 27 | 120 | 37 | 158 | 15 | 10,0 |
| | | | 91382006 | 6 | D | 120 | 27 | 120 | 46,5 | 158 | 18 | 11,0 |
| 212 | | 91362122 91362123 91362124 | 91382122 | 2 | D | 44 | 27 | 120 | 8,5 | 170 | 15 | 7,00 |
| | | | 91382123 | 3 | D | 63 | 27 | 120 | 18 | 170 | 15 | 8,50 |
| | | | 91382124 | 4 | D | 82 | 27 | 120 | 27,5 | 170 | 15 | 10,0 |
| | | | 91382125 | 5 | D | 101 | 27 | 120 | 37 | 170 | 15 | 11,0 |
| | | | | | | | | | | | | |
| 225 | 91352253 | 91372252 91362253 91362254 | 91382252 | 2 | D | 44 | 27 | 120 | 8,5 | 183 | 15 | 7,70 |
| | | | 91382253 | 3 | D | 63 | 27 | 120 | 18 | 183 | 15 | 9,00 |
| | | | 91382254 | 4 | D | 82 | 27 | 120 | 27,5 | 183 | 15 | 10,5 |
| | | | 91382255 | 5 | D | 101 | 27 | 120 | 37 | 183 | 15 | 11,5 |
| | | | 91382256 | 6 | D | 120 | 27 | 120 | 46,5 | 183 | 18 | 13,0 |
| | | | | | | | | | | | | |
| 240 | | | 91382403 | 3 | D | 63 | 27 | 120 | 18 | 198 | 16 | 11,0 |
| 250 | 91352501 91352502 | 91372502 91372503 91362504 | 91382502 | 1 | D | 25 | 25 | 130 | | 208 | 16 | 6,20 |
| | | | 91382503 | 2 | D | 44 | 27 | 130 | 8,5 | 208 | 16 | 8,50 |
| | | | 91382504 | 3 | D | 63 | 27 | 130 | 18 | 208 | 16 | 11,0 |
| | | | 91382505 | 4 | D | 82 | 27 | 130 | 27,5 | 208 | 16 | 12,0 |
| | | | 91382506 | 5 | D | 101 | 27 | 130 | 37 | 208 | 16 | 18,0 |
| | | | | 6 | D | 120 | 27 | 130 | 46,5 | 208 | 18 | 22,0 |
| 280 | | | 91382802 | 1 | D | 25 | 25 | 120 | | 238 | 16 | 6,50 |
| | | | 91382803 | 2 | D | 44 | 27 | 120 | 8,5 | 238 | 16 | 10,0 |
| | | | 91382804 | 3 | D | 63 | 27 | 120 | 18 | 238 | 16 | 12,5 |
| | | | 91382805 | 4 | D | 82 | 27 | 120 | 27,5 | 238 | 16 | 14,0 |
| | | | | 5 | D | 101 | 27 | 130 | 37 | 238 | 16 | 21,0 |
| 300 | 91353001 | | 91383004 | 1 | R | 25 | 25 | 130 | | 258 | 15 | 7,00 |
| | | | 91383005 | 4 | R | 82 | 27 | 130 | 27,5 | 258 | 20 | 16,0 |
| | | | | 5 | R | 101 | 27 | 130 | 37 | 258 | 22 | 19,0 |
| 315 | | 91363153 | 91383154 | 3 | R | 63 | 27 | 130 | 18 | 273 | 18 | 14,0 |
| | | | 91383155 | 4 | R | 82 | 27 | 130 | 27,5 | 273 | 20 | 20,0 |
| | | | | 5 | R | 101 | 27 | 130 | 37 | 273 | 22 | 22,0 |
| 355 | 91353551 | | | 1 | R | 25 | 25 | 130 | | 308 | 16 | 16,0 |

MATERIAL **CAST-IRON**CAD drawings available on our site
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on B2B Chiaravalliwww.bibiscom.ro

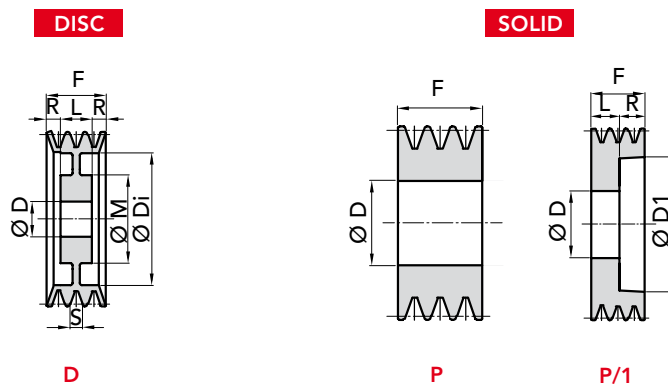


V-BELT PULLEYS for LOCKING DEVICES

33

for LOCKING DEVICES

SPC TYPE



| Dp | P. NUMBER Ø 55 H8 | P. NUMBER Ø 65 H8 | P. NUMBER Ø 80 H8 | N° GROOVES | EXEC. | F | L | Ø M | R | Ø Di | S | WEIGHT Kg. |
|-----|----------------------|----------------------|----------------------|---------------|-------|----|----|-----|----|------|----|---------------|
| 160 | | | 91481603 | 3 | P/1 | 85 | 27 | | 58 | 103 | | 2,60 |
| 190 | | | 91481903 | 3 | P/1 | 85 | 27 | | 58 | 133 | | 2,90 |
| 225 | | | 91482253 | 3 | D | 85 | 27 | 120 | 29 | 168 | 25 | 3,40 |

MATERIAL **CAST-IRON**

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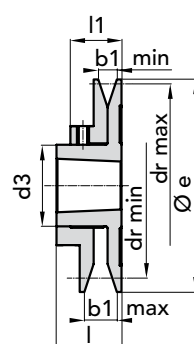
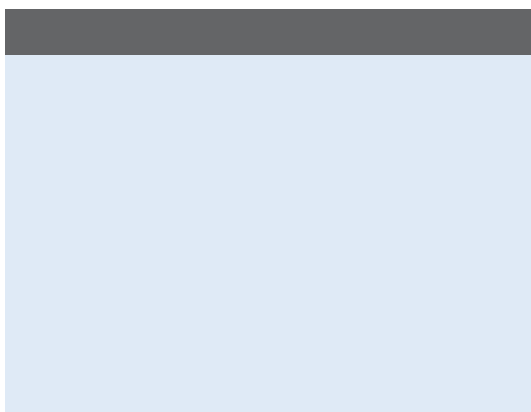
www.bibiscom.ro

V-BELT PULLEYS for LOCKING DEVICES SPC

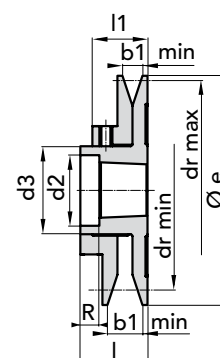
ADJUSTABLE V-BELTS PULLEY PRB TYPE



ADJUSTABLE V-BELTS PULLEY PRB TYPE



EXECUTION 1



EXECUTION 2

| PULLEY TYPE | P. NUMBER | EXEC. | N° GROOVES | BUSHE | Ø e | l | l1 | b1 | | dr | | d2 | d3 | R | GRUB DIN 916 UNI 5929 | SECTION BELT | WEIGHT Kg. |
|-------------|-----------|-------|------------|-------|-----|------|------|-----|------|-----|-----|----|----|------|-----------------------|---------------------------------|------------|
| | | | | | | | | min | max | min | max | | | | | | |
| PRB - 93 | 90000931 | 2 | 1 | 1108 | 93 | 36,5 | 29 | 13 | 20,5 | 57 | 78 | 39 | 50 | 13,5 | No.4 M6x6 | Z 10x6 A 13x8 | 0,86 |
| PRB - 108 | 90001081 | 1 | 1 | 1215 | 108 | 38 | 30,5 | 13 | 20,5 | 68 | 92 | - | 60 | - | No.4 M6x6 | Z 10x6 A 13x8 SPZ SPA | 1,18 |
| PRB - 120 | 90001201 | 1 | 1 | 1215 | 120 | 38 | 30,5 | 13 | 20,5 | 80 | 104 | - | 60 | - | No.4 M6x6 | Z 10x6 A 13x8 SPZ SPA | 1,46 |
| PRB - 138 | 90001381 | 1 | 1 | 1615 | 138 | 38 | 30,5 | 13 | 20,5 | 98 | 122 | - | 74 | - | No.4 M6x6 | Z 10x6 A 13x8 SPZ SPA | 2,00 |
| PRB - 160 | 90001601 | 2 | 1 | 1615 | 160 | 45 | 35,5 | 17 | 26,5 | 108 | 138 | 58 | 74 | 6,5 | No.4 M8x8 | A 13x8 B 17x11 SPA SPB | 3,04 |
| PRB - 180 | 90001801 | 2 | 1 | 2012 | 180 | 45 | 35,5 | 17 | 26,5 | 128 | 158 | 71 | 90 | 12,5 | No.4 M8x8 | A 13x8 B 17x11 SPA SPB | 3,80 |
| PRB - 200 | 90002001 | 2 | 1 | 2012 | 200 | 45 | 35,5 | 17 | 26,5 | 149 | 177 | 71 | 90 | 12,5 | No.4 M8x8 | A 13x8 B 17x11 SPA SPB | 4,75 |

MATERIAL **CAST-IRON G20**
UNI 5007

CAD drawings available on our site
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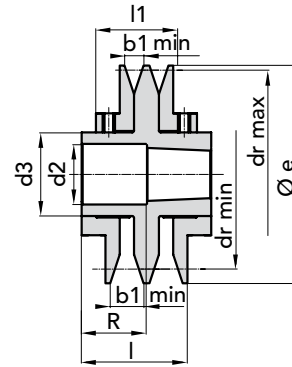
Quantity, availability and prices
on B2B Chiaravalli

www.bibiscom.ro



ADJUSTABLE V-BELTS PULLEY PRB TYPE

35



EXECUTION 3

| PULLEY TYPE | P. NUMBER | EXEC. N° | BUSHE GROOVES | Ø e | l | l1 | b1 | | dr | | d2 | d3 | R | GRUB DIN 916 UNI 5929 | SECTION BELT | WEIGHT Kg. | |
|-------------|-----------|----------|---------------|------|-----|----|-----|-----|------|-----|-----|------|----|-----------------------|---------------|---------------------------------|------|
| | | | | | | | min | max | min | max | | | | | | | |
| PRB2 - 108 | 90001082 | 3 | 2 | 1215 | 108 | 73 | 58 | 13 | 20,5 | 68 | 92 | 48,5 | 60 | 34,5 | No. 8 M6x6 | Z 10x6 A 13x8 SPZ SPA | 2,40 |
| | | | | | | | | | | 70 | 100 | | | | | | |
| | | | | | | | | | | 75 | 93 | | | | | | |
| | | | | | | | | | | 76 | 102 | | | | | | |
| PRB2 - 120 | 90001202 | 3 | 2 | 1215 | 120 | 73 | 58 | 13 | 20,5 | 80 | 104 | 48,5 | 60 | 34,5 | No. 8 M6x6 | Z 10x6 A 13x8 SPZ SPA | 2,65 |
| | | | | | | | | | | 82 | 112 | | | | | | |
| | | | | | | | | | | 87 | 105 | | | | | | |
| | | | | | | | | | | 88 | 114 | | | | | | |
| PRB2 - 138 | 90001382 | 3 | 2 | 1615 | 138 | 73 | 58 | 13 | 20,5 | 98 | 122 | 58,5 | 74 | 34,5 | No. 8 M6x6 | Z 10x6 A 13x8 SPZ SPA | 3,60 |
| | | | | | | | | | | 100 | 130 | | | | | | |
| | | | | | | | | | | 105 | 123 | | | | | | |
| | | | | | | | | | | 106 | 132 | | | | | | |
| PRB2 - 160 | 90001602 | 3 | 2 | 1615 | 160 | 87 | 68 | 17 | 26,5 | 108 | 138 | 58,5 | 74 | 48,5 | No. 8 M8x8 | A 13x8 B 17x11 SPA SPB | 5,60 |
| | | | | | | | | | | 112 | 150 | | | | | | |
| | | | | | | | | | | 114 | 140 | | | | | | |
| | | | | | | | | | | 117 | 153 | | | | | | |
| PRB2 - 180 | 90001802 | 3 | 2 | 2012 | 180 | 87 | 68 | 17 | 26,5 | 128 | 158 | 71 | 90 | 54 | No. 8 M8x8 | A 13x8 B 17x11 SPA SPB | 7,15 |
| | | | | | | | | | | 132 | 170 | | | | | | |
| | | | | | | | | | | 134 | 160 | | | | | | |
| | | | | | | | | | | 137 | 173 | | | | | | |
| PRB2 - 200 | 90002002 | 3 | 2 | 2012 | 200 | 87 | 68 | 17 | 26,5 | 149 | 177 | 71 | 90 | 54 | No. 8 M8x8 | A 13x8 B 17x11 SPA SPB | 8,92 |
| | | | | | | | | | | 152 | 190 | | | | | | |
| | | | | | | | | | | 155 | 179 | | | | | | |
| | | | | | | | | | | 159 | 193 | | | | | | |

MATERIAL **CAST-IRON G20**
UNI 5007

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ADJUSTABLE V-BELTS PULLEY PRB TYPE

V-BELT PULLEYS MICRO-V TAPER LOCK®

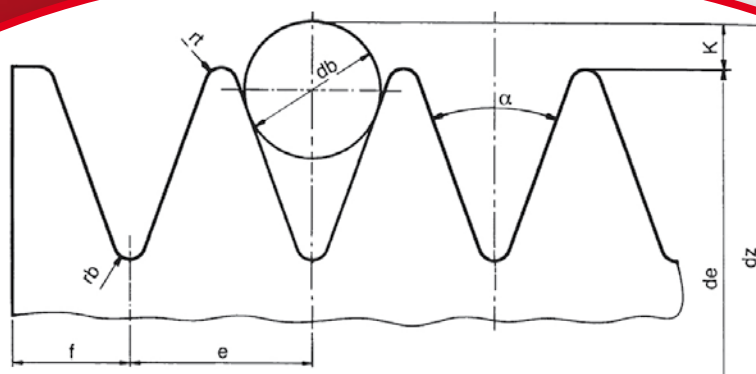


TYPES

Grooved pulleys designed for industrial transmissions are identified by reference to the dimensions and the groove pitch in the following types: **PPV-J – PPV-L**

PROFILE DIMENSIONS

The transverse profile dimensions of a grooved pulley are shown in the figure and in the table.



TABLE

| TYPE | PPV-J | PPV-L |
|--|--------|--------|
| Grooves pitch e | 2.34 | 4.70 |
| Tolerance for e* | ± 0.03 | ± 0.05 |
| Sum of tolerances e** | ± 0.30 | ± 0.30 |
| Race angle a** ±0,5 | 40° | 40° |
| rt min. | 0.20 | 0.40 |
| rb max | 0.40 | 0.40 |
| Diameter of the control sphere or roller db ± 0.01 | 1.50 | 3.50 |
| 2K** nominal | 0.23 | 2.36 |
| f min. | 1.8 | 3.3 |

* = this tolerance applies to the distance between the axes of two consecutive grooves

** = the sum of all the tolerances "e" for all the races of each pulley must not exceed the value foreseen in the table

* = the axis of each groove must form a $90^\circ \pm 0.5^\circ$ angle with the pulley axis

** = K is not in relation to the pulley's nominal diameter but is measured from the position of the measurement sphere or roller.



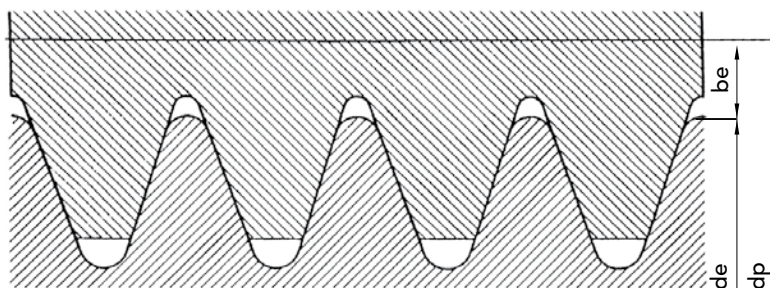
PITCH LINE DIAMETER

The position of a grooved belt in contact with the corresponding pulley is shown in cross-section in the figure.

The real pitch line diameter **dp** of a grooved pulley measured along the belt is slightly greater than the actual diameter **de** and the exact value depends on the type of belt used.

For the purposes of illustration, the table shows the value **be** normally adopted to calculate the transmission ratio.

In practice it is sufficient to use the actual diameter **de** to calculate the transmission ratio.



$$dp \cong de + 2be$$

| TYPE | PPV-J | PPV-L |
|------|-------|-------|
| 2 be | 2 | 5 |

DESIGNATION

The designation includes the following details, in the order given: the "pulley" domination, the reference of the current standard, the number of grooves, the type and the actual diameter expressed in millimetres.

An example of the designation for a PPV-J type grooved pulley designed for industrial transmissions with 8 grooves and an actual diameter of 200mm

8 PPV-J 200

DEGREE OF FINISH OF THE GROOVES

The surface roughness of the grooves shall be Ra 3.2 in compliance with ISO 254.

MATERIALS

C45 UNI 7845

Pulleys are manufactured in steel.

BALANCING

UNI 4218 – ISO 1940

Pulleys prepared for a tapered bush are statically balanced within grade G.6.3.

It is possible to perform dynamic balancing, on request.

Dynamic balancing is essential for speeds exceeding 30 m/s.

V-BELT PULLEYS MICRO-V TAPER LOCK®



DESIGN POWER CALCULATION

Make a note of the nominal power to be transmitted **P** (kw) (normally the nominal power of the electric motor), select the service factor **Co** based on the table and calculate the design power output **Pc** (kw) as follows: **Pc = Co x P**

Service factor (Co)

MOTOR TYPE

CLASS A

- Synchronous and asynchronous, squirrel cage, normal torque, alternating current motor.
- Shunt winding direct current motor
- Internal combustion engine (steady-state condition ³ 700 r.p.m.)
- Turbines

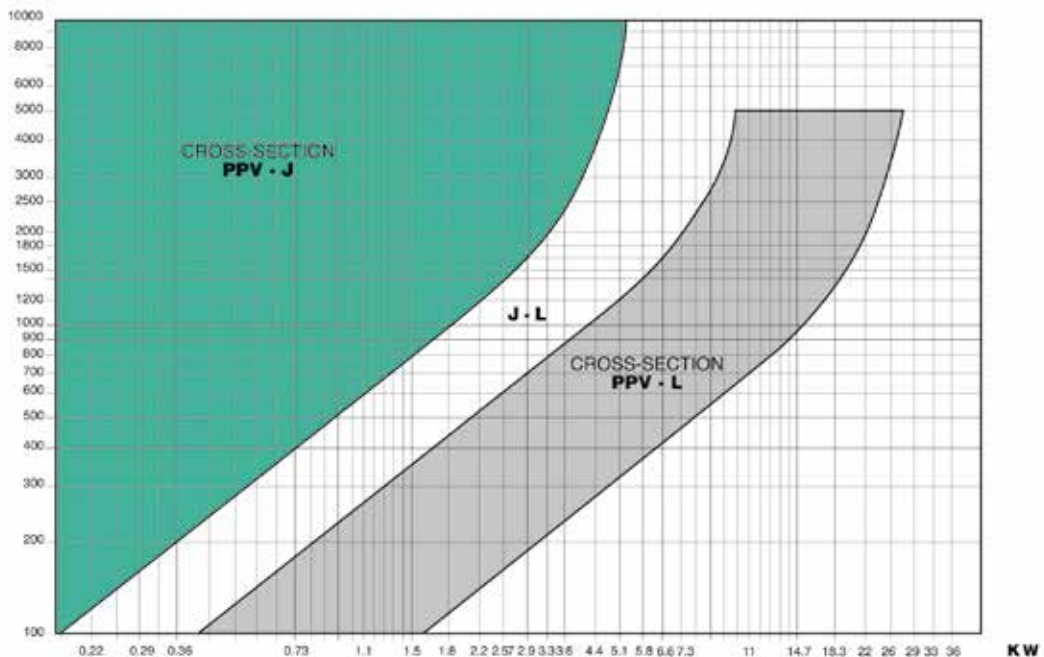
CLASS B

- Asynchronous, squirrel cage, high torque alternating current motor
- Compound winding direct current motor
- Internal combustion engine (steady-state condition ³ 700 r.p.m.)
- Clutches

| TYPE OF MACHINE DRIVEN | Class A Motor | | | Class B Motor | | |
|---|---------------------------------|-------|-----|---------------|--------|-----|
| | Number of daily operating hours | | | | | |
| | <10 | 10÷16 | >16 | <10 | <10÷16 | >16 |
| • Liquid mixers • Blowers • Extractors • Centrifuge fans • Lightweight conveyors | 1 | 1.1 | 1.2 | 1.1 | 1.2 | 1.3 |
| • Mixers designed for pasty products • Blenders • Generators • Laundry machines • Machine tools | 1.1 | 1.2 | 1.3 | 1.2 | 1.3 | 1.4 |
| • Rotary compressors • Rotary pumps • Sieves • Heavyweight conveyors • Spraying systems • Dynamo • Bakery machines • Printing machines • Wood working machines • Axial fans • Brick making machines | 1.2 | 1.3 | 1.4 | 1.3 | 1.4 | 1.5 |
| • Piston compressors • Piston pumps • Crushers • Bucket elevators • Elevators • Paper making machines • Mills • Hoists | 1.4 | 1.5 | 1.6 | 1.5 | 1.6 | 1.8 |
| • Grinding machines • Crushing machines • Drainage systems • Calenders and extruders for rubber and plastics | 1.6 | 1.7 | 1.8 | 1.7 | 1.8 | 2 |

CROSS-SECTION SELECTION

R.p.m. of smallest pulley The type of cross-section is selected by using the diagram shown below.





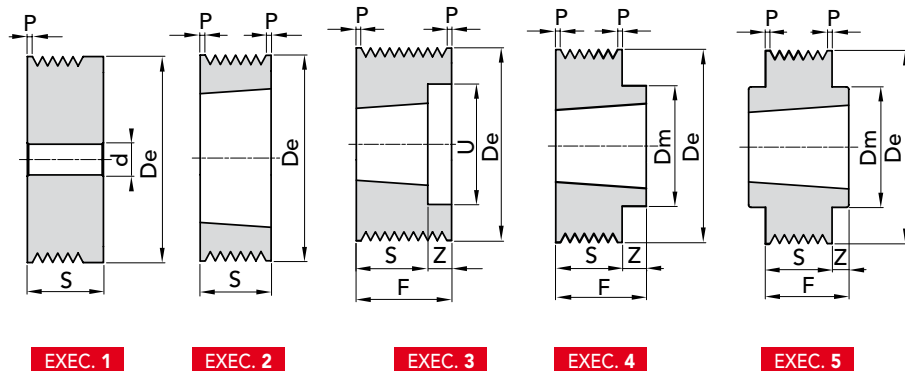
V-BELT PULLEYS PPV-J MICRO V DIMENSIONS

39

PPV-J TYPE

N° GROOVES $F \pm 0.1$

| | | |
|----|------|------|
| 8 | 23 | 3.31 |
| 12 | 32.5 | 3.38 |
| 16 | 42 | 3.45 |



| De | P. NUMBER | EXEC. | N° GROOVES | BUSHE | S | Z | Dm | U | d | WEIGHT Kg. |
|-----|-----------|-------|------------|-------|------|-----|----|----|----|------------|
| 40 | 48108040 | 1 | 8 | - | 32 | - | - | - | 12 | 0,24 |
| | 48112040 | 1 | 12 | - | 41,5 | - | - | - | 12 | 0,31 |
| | 48116040 | 1 | 16 | - | 51 | - | - | - | 12 | 0,38 |
| 45 | 48108045 | 1 | 8 | - | 32 | - | - | - | 12 | 0,32 |
| | 48112045 | 1 | 12 | - | 41,5 | - | - | - | 12 | 0,41 |
| | 48116045 | 1 | 16 | - | 51 | - | - | - | 12 | 0,50 |
| 50 | 48108050 | 1 | 8 | - | 32 | - | - | - | 12 | 0,40 |
| | 48112050 | 1 | 12 | - | 41,5 | - | - | - | 12 | 0,52 |
| | 48116050 | 1 | 16 | - | 51 | - | - | - | 12 | 0,63 |
| 56 | 48108056 | 2 | 8 | 1108 | 23 | - | - | - | - | 0,39 |
| | 48112056 | 3 | 12 | 1108 | 32,5 | 9,5 | - | 40 | - | 0,65 |
| | 48116056 | 1 | 16 | - | 51 | - | - | - | 12 | 0,81 |
| 63 | 48108063 | 2 | 8 | 1108 | 23 | - | - | - | - | 0,50 |
| | 48112063 | 3 | 12 | 1108 | 23 | 9,5 | - | 46 | - | 0,39 |
| | 48116063 | 1 | 16 | - | 51 | - | - | - | 12 | 1,05 |
| 71 | 48108071 | 2 | 8 | 1108 | 23 | - | - | - | - | 0,64 |
| | 48112071 | 3 | 12 | 1108 | 23 | 9,5 | - | 46 | - | 0,57 |
| | 48116071 | 2 | 16 | 1215 | 42 | - | - | 55 | - | 0,63 |
| 75 | 48108075 | 2 | 8 | 1108 | 23 | - | - | - | - | 0,72 |
| | 48112075 | 3 | 12 | 1610 | 26 | 6,5 | - | 60 | - | 0,38 |
| | 48116075 | 3 | 16 | 1610 | 26 | 16 | - | 60 | - | 0,46 |
| 80 | 48108080 | 4 | 8 | 1610 | 26 | 3 | 70 | - | - | 0,41 |
| | 48112080 | 3 | 12 | 1610 | 26 | 6,5 | - | 60 | - | 0,52 |
| | 48116080 | 3 | 16 | 1610 | 26 | 16 | - | 60 | - | 0,64 |
| 85 | 48108085 | 4 | 8 | 1610 | 26 | 3 | 70 | - | - | 0,51 |
| | 48112085 | 3 | 12 | 1610 | 26 | 6,5 | - | 60 | - | 0,66 |
| | 48116085 | 3 | 16 | 1610 | 26 | 16 | - | 60 | - | 0,84 |
| 90 | 48108090 | 4 | 8 | 1610 | 26 | 3 | 70 | - | - | 0,62 |
| | 48112090 | 3 | 12 | 1610 | 26 | 6,5 | - | 74 | - | 0,76 |
| | 48116090 | 3 | 16 | 1610 | 26 | 16 | - | 74 | - | 0,87 |
| 95 | 48108095 | 4 | 8 | 1610 | 26 | 3 | 82 | - | - | 0,78 |
| | 48112095 | 3 | 12 | 1610 | 26 | 6,5 | - | 74 | - | 0,93 |
| | 48116095 | 3 | 16 | 1610 | 26 | 16 | - | 74 | - | 1,08 |
| 100 | 48108100 | 4 | 8 | 1610 | 26 | 3 | 82 | - | - | 0,90 |
| | 48112100 | 3 | 12 | 1610 | 26 | 6,5 | - | 74 | - | 1,10 |
| | 48116100 | 3 | 16 | 1610 | 26 | 16 | - | 74 | - | 1,32 |

| De | P. NUMBER | EXEC. | N° GROOVES | BUSHE | S | Z | Dm | U | d | WEIGHT Kg. |
|-----|-----------|-------|------------|-------|----|------|-----|----|---|------------|
| 106 | 48108106 | 4 | 8 | 1610 | 26 | 3 | 82 | - | - | 1,05 |
| | 48112106 | 3 | 12 | 1610 | 26 | 6,5 | - | 88 | - | 1,24 |
| | 48116106 | 3 | 16 | 1610 | 26 | 16 | - | 88 | - | 1,40 |
| 112 | 48108112 | 4 | 8 | 1610 | 26 | 3 | 90 | - | - | 1,25 |
| | 48112112 | 3 | 12 | 1610 | 26 | 6,5 | - | 88 | - | 1,47 |
| | 48116112 | 3 | 16 | 1610 | 26 | 16 | - | 88 | - | 1,70 |
| 118 | 48108118 | 4 | 8 | 1610 | 26 | 3 | 90 | - | - | 1,43 |
| | 48112118 | 3 | 12 | 2012 | 32 | 0,5 | - | 98 | - | 1,55 |
| | 48116118 | 3 | 16 | 2012 | 32 | 10 | - | 98 | - | 1,79 |
| 125 | 48108125 | 4 | 8 | 1610 | 26 | 3 | 90 | - | - | 1,64 |
| | 48112125 | 3 | 12 | 2012 | 32 | 0,5 | - | 98 | - | 1,90 |
| | 48116125 | 3 | 16 | 2012 | 32 | 10 | - | 98 | - | 2,18 |
| 132 | 48108132 | 4 | 8 | 1610 | 26 | 3 | 90 | - | - | 1,88 |
| | 48112132 | 3 | 12 | 2012 | 32 | 0,5 | - | 98 | - | 2,21 |
| | 48116132 | 3 | 16 | 2012 | 32 | 10 | - | 98 | - | 2,60 |
| 140 | 48108140 | 4 | 8 | 1610 | 26 | 3 | 90 | - | - | 1,60 |
| | 48112140 | 4 | 12 | 2517 | 45 | 12,5 | 120 | - | - | 7,10 |
| | 48116140 | 4 | 16 | 2517 | 45 | 3 | 120 | - | - | 9,60 |
| 160 | 48108160 | 5 | 8 | 2012 | 32 | 4,5 | 110 | - | - | 3,01 |
| | 48112160 | 4 | 12 | 2517 | 45 | 12,5 | 120 | - | - | 3,80 |
| | 48116160 | 4 | 16 | 2517 | 45 | 3 | 120 | - | - | 4,37 |
| 180 | 48108180 | 5 | 8 | 2012 | 32 | 4,5 | 110 | - | - | 3,92 |
| | 48112180 | 5 | 12 | 2517 | 45 | 6,25 | 120 | - | - | 5,03 |
| | 48116180 | 5 | 16 | 2517 | 45 | 1,5 | 120 | - | - | 5,97 |
| 200 | 48108200 | 5 | 8 | 2012 | 32 | 4,5 | 110 | - | - | 4,88 |
| | 48112200 | 5 | 12 | 2517 | 45 | 6,25 | 120 | - | - | 6,40 |
| | 48116200 | 5 | 16 | 2517 | 45 | 1,5 | 120 | - | - | 7,75 |
| 224 | 48108224 | 5 | 8 | 2012 | 32 | 4,5 | 110 | - | - | 6,17 |
| | 48112224 | 5 | 12 | 2517 | 45 | 6,25 | 120 | - | - | 8,29 |
| | 48116224 | 5 | 16 | 2517 | 45 | 1,5 | 120 | - | - | 10,10 |
| 250 | 48108250 | 5 | 8 | 2012 | 32 | 4,5 | 110 | - | - | 7,73 |
| | 48112250 | 5 | 12 | 2517 | 45 | 6,25 | 120 | - | - | 1,05 |
| | 48116250 | 5 | 16 | 2517 | 45 | 1,5 | 120 | - | - | 1,30 |

V-BELT PULLEYS PPV-J MICRO V DIMENSIONS

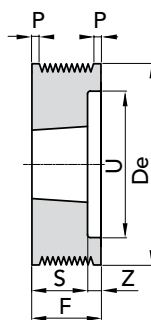
V-BELT PULLEYS PPV-L MICRO V DIMENSIONS



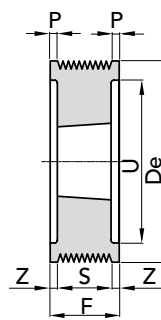
PPV-L TYPE

| N° GROOVES | | F±0.1 |
|------------|----|-------|
| 8 | 48 | 7.55 |
| 12 | 67 | 7.65 |
| 16 | 86 | 7.75 |

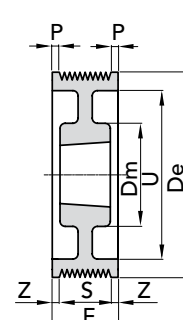
| | | |
|----|----|------|
| 8 | 48 | 7.55 |
| 12 | 67 | 7.65 |
| 16 | 86 | 7.75 |



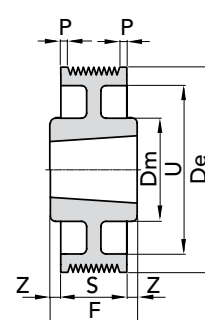
EXEC. 3



EXEC. 6



EXEC. 7



EXEC. 8

| De | P. NUMBER | EXEC. | N° GROOVES | BUSHE | S | Z | Dm | U | WEIGHT Kg. |
|-----|-----------|-------|------------|-------|----|------|----|-----|------------|
| 75 | 48208075 | 3 | 8 | 1210 | 26 | 22 | - | 56 | 0,66 |
| | 48212075 | 3 | 12 | 1215 | 42 | 25 | - | 56 | 0,97 |
| 80 | 48208080 | 3 | 8 | 1210 | 26 | 22 | - | 56 | 0,86 |
| | 48212080 | 3 | 12 | 1215 | 42 | 25 | - | 56 | 1,25 |
| 85 | 48208085 | 3 | 8 | 1210 | 26 | 22 | - | 61 | 1,00 |
| | 48212085 | 3 | 12 | 1215 | 42 | 25 | - | 61 | 1,47 |
| | 48216085 | 6 | 16 | 1215 | 42 | 22 | - | 61 | 1,76 |
| 90 | 48208090 | 3 | 8 | 1610 | 26 | 22 | - | 66 | 1,01 |
| | 48212090 | 3 | 12 | 1615 | 42 | 25 | - | 66 | 1,45 |
| | 48216090 | 6 | 16 | 1615 | 42 | 22 | - | 66 | 1,78 |
| 95 | 48208095 | 3 | 8 | 1610 | 26 | 22 | - | 71 | 1,16 |
| | 48212095 | 3 | 12 | 1615 | 42 | 25 | - | 71 | 1,71 |
| | 48216095 | 6 | 16 | 1615 | 42 | 22 | - | 71 | 2,02 |
| 100 | 48208100 | 3 | 8 | 1610 | 26 | 22 | - | 76 | 1,31 |
| | 48212100 | 3 | 12 | 2012 | 32 | 35 | - | 79 | 1,39 |
| | 48216100 | 6 | 16 | 2012 | 32 | 27 | - | 79 | 1,69 |
| 106 | 48208106 | 3 | 8 | 1610 | 26 | 22 | - | 82 | 1,53 |
| | 48212106 | 3 | 12 | 2012 | 32 | 35 | - | 82 | 1,76 |
| | 48216106 | 6 | 16 | 2012 | 32 | 27 | - | 82 | 2,12 |
| 112 | 48208112 | 3 | 8 | 1610 | 26 | 22 | - | 88 | 1,75 |
| | 48212112 | 3 | 12 | 2012 | 32 | 35 | - | 88 | 2,02 |
| | 48216112 | 6 | 16 | 2012 | 32 | 27 | - | 88 | 2,42 |
| 118 | 48208118 | 3 | 8 | 2012 | 32 | 16 | - | 94 | 1,88 |
| | 48212118 | 6 | 12 | 2517 | 45 | 11 | - | 97 | 1,96 |
| | 48216118 | 6 | 16 | 2517 | 45 | 20,5 | - | 97 | 2,31 |
| 125 | 48208125 | 3 | 8 | 2012 | 32 | 16 | - | 101 | 2,22 |
| | 48212125 | 6 | 12 | 2517 | 45 | 11 | - | 101 | 2,46 |
| | 48216125 | 6 | 16 | 2517 | 45 | 20,5 | - | 101 | 2,92 |
| 132 | 48208132 | 3 | 8 | 2012 | 32 | 16 | - | 108 | 2,54 |
| | 48212132 | 6 | 12 | 2517 | 45 | 11 | - | 108 | 2,97 |
| | 48216132 | 6 | 16 | 2517 | 45 | 20,5 | - | 108 | 3,44 |

| De | P. NUMBER | EXEC. | N° GROOVES | BUSHE | S | Z | Dm | U | WEIGHT Kg. |
|-----|-----------|-------|------------|-------|----|------|-----|-----|------------|
| 140 | 48208140 | 3 | 8 | 2517 | 45 | 3 | 82 | 116 | 3,02 |
| | 48212140 | 6 | 12 | 2517 | 45 | 11 | - | 116 | 3,55 |
| | 48216140 | 6 | 16 | 2517 | 45 | 20,5 | - | 116 | 4,05 |
| 150 | 48208150 | 3 | 8 | 2517 | 45 | 3 | - | 126 | 3,75 |
| | 48212150 | 6 | 12 | 2517 | 45 | 11 | - | 126 | 4,30 |
| | 48216150 | 6 | 16 | 2517 | 45 | 20,5 | - | 126 | 4,85 |
| 160 | 48208160 | 3 | 8 | 2517 | 45 | 3 | - | 136 | 4,54 |
| | 48212160 | 6 | 12 | 2517 | 45 | 11 | - | 136 | 5,12 |
| | 48216160 | 6 | 16 | 3020 | 52 | 17 | - | 136 | 4,88 |
| 170 | 48208170 | 3 | 8 | 2517 | 45 | 3 | - | 146 | 5,35 |
| | 48212170 | 6 | 12 | 2517 | 45 | 11 | - | 146 | 6,03 |
| | 48216170 | 6 | 16 | 3020 | 52 | 17 | - | 146 | 5,96 |
| 180 | 48208180 | 7 | 8 | 2517 | 45 | 1,5 | 120 | 156 | 4,52 |
| | 48212180 | 7 | 12 | 2517 | 45 | 11 | 120 | 156 | 5,34 |
| | 48216180 | 6 | 16 | 3020 | 52 | 17 | - | 156 | 7,09 |
| 200 | 48208200 | 7 | 8 | 2517 | 45 | 1,5 | 120 | 176 | 5,07 |
| | 48212200 | 7 | 12 | 3020 | 52 | 7,5 | 146 | 176 | 6,99 |
| | 48216200 | 7 | 16 | 3020 | 52 | 17 | 146 | 176 | 7,92 |
| 224 | 48208224 | 7 | 8 | 2517 | 45 | 1,5 | 120 | 202 | 9,77 |
| | 48212224 | 7 | 12 | 3020 | 52 | 7,5 | 146 | 202 | 11,0 |
| | 48216224 | 7 | 16 | 3020 | 52 | 17 | 146 | 202 | 14,12 |
| 250 | 48208250 | 8 | 8 | 3020 | 52 | 2 | 146 | 228 | 13,12 |
| | 48212250 | 7 | 12 | 3020 | 52 | 7,5 | 146 | 228 | 15,60 |
| | 48216250 | 8 | 16 | 3535 | 89 | 1,5 | 178 | 228 | 16,13 |
| 280 | 48208280 | 8 | 8 | 3020 | 52 | 2 | 146 | 256 | 18,18 |
| | 48212280 | 7 | 12 | 3020 | 52 | 7,5 | 146 | 256 | 21,75 |
| | 48216280 | 8 | 16 | 3535 | 89 | 1,5 | 178 | 256 | 24,45 |
| 315 | 48208315 | 8 | 8 | 3020 | 52 | 2 | 146 | 285 | 24,82 |
| | 48212315 | 8 | 12 | 3535 | 89 | 11 | 178 | 285 | 42,64 |
| | 48216315 | 8 | 16 | 3535 | 89 | 1,5 | 178 | 285 | 35,34 |



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