

**optibelt KS V-Grooved Pulleys for Taper Bushings**  
**Profile SPA**



| Datum diameter d <sub>d</sub><br>(mm) | No. of<br>grooves | Type | Type No. | Weight<br>without<br>bushing<br>(≈kg) | Taper<br>bushing | Datum diameter d <sub>d</sub><br>(mm) | No. of<br>grooves | Type | Type No. | Weight<br>without<br>bushing<br>(≈kg) | Taper<br>bushing |
|---------------------------------------|-------------------|------|----------|---------------------------------------|------------------|---------------------------------------|-------------------|------|----------|---------------------------------------|------------------|
| TB SPA/13                             |                   |      |          |                                       |                  | 132                                   | 1                 | ☐    | 8        | 1.600                                 | 1610             |
| 63▲                                   | 1                 | ☐    | 11       | 0.600                                 | 1108             |                                       | 2                 | ☐    | 2        | 1.800                                 | 2012             |
|                                       | 2                 | ☐    | 11       | 0.800                                 | 1108             |                                       | 3                 | ☐    | 2        | 2.300                                 | 2012             |
| 67▲                                   | 1                 | ☐    | 8        | 0.300                                 | 1108             |                                       | 4                 | ☐    | 2        | 2.600                                 | 2517             |
|                                       | 2                 | ☐    | 6        | 0.500                                 | 1108             |                                       | 5                 | ☐    | 2        | 2.900                                 | 2517             |
| 71▲                                   | 1                 | ☐    | 8        | 0.300                                 | 1108             | 140                                   | 1                 | ☐    | 8        | 1.800                                 | 1610             |
|                                       | 2                 | ☐    | 6        | 0.500                                 | 1108             |                                       | 2                 | ☐    | 2        | 2.000                                 | 2012             |
|                                       | 3                 | ☐    | 6        | 0.700                                 | 1108             |                                       | 3                 | ☐    | 2        | 2.800                                 | 2517             |
| 75▲                                   | 1                 | ☐    | 8        | 0.400                                 | 1108             |                                       | 4                 | ☐    | 2        | 3.100                                 | 2517             |
|                                       | 2                 | ☐    | 6        | 0.600                                 | 1108             |                                       | 5                 | ☐    | 2        | 3.400                                 | 2517             |
|                                       | 3                 | ☐    | 6        | 0.800                                 | 1108             | 150                                   | 1                 | ☐    | 8        | 1.400                                 | 1610             |
| 80▲                                   | 1                 | ☐    | 8        | 0.500                                 | 1210             |                                       | 2                 | ☐    | 2        | 2.400                                 | 2012             |
|                                       | 2                 | ☐    | 6        | 0.600                                 | 1210             |                                       | 3                 | ☐    | 2        | 3.500                                 | 2517             |
|                                       | 3                 | ☐    | 6        | 0.900                                 | 1210             |                                       | 4                 | ☐    | 2        | 3.800                                 | 2517             |
| 85                                    | 1                 | ☐    | 8        | 0.600                                 | 1210             |                                       | 5                 | ☐    | 2        | 4.200                                 | 2517             |
|                                       | 2                 | ☐    | 6        | 0.700                                 | 1210             | 160                                   | 1                 | ☐    | 5        | 1.900                                 | 1610             |
|                                       | 3                 | ☐    | 6        | 1.000                                 | 1210             |                                       | 2                 | ☐    | 2        | 2.900                                 | 2012             |
| 90                                    | 1                 | ☐    | 8        | 0.700                                 | 1210             |                                       | 3                 | ☐    | 2        | 3.900                                 | 2517             |
|                                       | 2                 | ☐    | 6        | 0.700                                 | 1610             |                                       | 4                 | ☐    | 2        | 4.400                                 | 2517             |
|                                       | 3                 | ☐    | 6        | 1.000                                 | 1610             |                                       | 5                 | ☐    | 2        | 5.100                                 | 2517             |
|                                       | 4                 | ☐    | 6        | 1.200                                 | 1615             | 170                                   | 1                 | ☐    | 5        | 2.000                                 | 1610             |
| 95                                    | 1                 | ☐    | 8        | 0.800                                 | 1210             |                                       | 2                 | ☐    | 2        | 3.100                                 | 2012             |
|                                       | 2                 | ☐    | 6        | 0.900                                 | 1610             |                                       | 3                 | ☐    | 2        | 4.600                                 | 2517             |
|                                       | 3                 | ☐    | 6        | 1.100                                 | 1610             |                                       | 4                 | ☐    | 2        | 5.500                                 | 2517             |
|                                       | 4                 | ☐    | 6        | 1.400                                 | 1615             |                                       | 5                 | ☐    | 2        | 5.900                                 | 3020             |
| 100                                   | 1                 | ☐    | 8        | 0.800                                 | 1610             | 180                                   | 1                 | ☐    | 5        | 2.100                                 | 1610             |
|                                       | 2                 | ☐    | 6        | 0.900                                 | 1610             |                                       | 2                 | ☐    | 9        | 3.400                                 | 2012             |
|                                       | 3                 | ☐    | 2        | 1.200                                 | 1610             |                                       | 3                 | ☐    | 2        | 5.100                                 | 2517             |
|                                       | 4                 | ☐    | 2        | 1.700                                 | 1610             |                                       | 4                 | ☐    | 2        | 5.900                                 | 2517             |
|                                       | 5                 | ☐    | 6        | 1.900                                 | 1610             |                                       | 5                 | ☐    | 2        | 6.200                                 | 3020             |
| 106                                   | 1                 | ☐    | 8        | 0.900                                 | 1610             | 190                                   | 1                 | ☐    | 5        | 2.300                                 | 1610             |
|                                       | 2                 | ☐    | 6        | 1.100                                 | 1610             |                                       | 2                 | ☐    | 9        | 3.800                                 | 2012             |
|                                       | 3                 | ☐    | 2        | 1.400                                 | 1610             |                                       | 3                 | ☐    | 2        | 5.400                                 | 2517             |
|                                       | 4                 | ☐    | 6        | 2.000                                 | 2012             |                                       | 4                 | ☐    | 2        | 6.800                                 | 2517             |
|                                       | 5                 | ☐    | 6        | 2.000                                 | 2012             |                                       | 5                 | ☐    | 2        | 7.400                                 | 3020             |
| 112                                   | 1                 | ☐    | 8        | 1.000                                 | 1610             | 200                                   | 1                 | ☐    | 5        | 2.600                                 | 2012             |
|                                       | 2                 | ☐    | 6        | 1.200                                 | 1610             |                                       | 2                 | ☐    | 5        | 4.100                                 | 2517             |
|                                       | 3                 | ☐    | 6        | 1.300                                 | 2012             |                                       | 3                 | ☐    | 9        | 4.900                                 | 2517             |
|                                       | 4                 | ☐    | 6        | 1.900                                 | 2012             |                                       | 4                 | ☐    | 2        | 7.400                                 | 3020             |
|                                       | 5                 | ☐    | 6        | 2.100                                 | 2012             |                                       | 5                 | ☐    | 4        | 8.400                                 | 3020             |
| 118                                   | 1                 | ☐    | 8        | 1.200                                 | 1610             | 212                                   | 1                 | ☐    | 5        | 2.700                                 | 2012             |
|                                       | 2                 | ☐    | 6        | 1.400                                 | 1610             |                                       | 2                 | ☐    | 5        | 4.300                                 | 2517             |
|                                       | 3                 | ☐    | 2        | 1.800                                 | 2012             |                                       | 3                 | ☐    | 9        | 5.200                                 | 2517             |
|                                       | 4                 | ☐    | 2        | 2.000                                 | 2012             |                                       | 4                 | ☐    | 2        | 7.300                                 | 3020             |
|                                       | 5                 | ☐    | 2        | 2.400                                 | 2012             |                                       | 5                 | ☐    | 2        | 8.200                                 | 3020             |
| 125                                   | 1                 | ☐    | 8        | 1.400                                 | 1610             | 224                                   | 1                 | x    | 7        | 2.700                                 | 2012             |
|                                       | 2                 | ☐    | 2        | 1.700                                 | 1610             |                                       | 2                 | ☐    | 5        | 4.400                                 | 2517             |
|                                       | 3                 | ☐    | 2        | 2.000                                 | 2012             |                                       | 3                 | ☐    | 9        | 5.500                                 | 2517             |
|                                       | 4                 | ☐    | 2        | 2.500                                 | 2012             |                                       | 4                 | ☐    | 2        | 7.400                                 | 3020             |
|                                       | 5                 | ☐    | 2        | 2.700                                 | 2012             |                                       | 5                 | ☐    | 2        | 8.300                                 | 3020             |

| Datum diameter d <sub>d</sub><br>(mm) | No. of<br>grooves | Type | Type No. | Weight<br>without<br>bushing<br>(≈kg) | Taper<br>bushing | Datum diameter d <sub>d</sub><br>(mm) | No. of<br>grooves | Type | Type No. | Weight<br>without<br>bushing<br>(≈kg) | Taper<br>bushing |
|---------------------------------------|-------------------|------|----------|---------------------------------------|------------------|---------------------------------------|-------------------|------|----------|---------------------------------------|------------------|
| 236                                   | 1                 | x    | 7        | 2.800                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | ☐    | 5        | 4.600                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | ☐    | 9        | 5.700                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | ●    | 2        | 7.800                                 | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | ●    | 2        | 8.700                                 | 3020             |                                       |                   |      |          |                                       |                  |
| 250                                   | 1                 | x    | 7        | 2.900                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 4.800                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | ☐    | 9        | 5.900                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | ☐    | 9        | 8.000                                 | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | ☐    | 9        | 9.000                                 | 3020             |                                       |                   |      |          |                                       |                  |
| 280                                   | 1                 | x    | 7        | 3.300                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 5.400                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | ☐    | 9        | 6.700                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | ☐    | 9        | 8.800                                 | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | ☐    | 5        | 15.500                                | 3535             |                                       |                   |      |          |                                       |                  |
| 315                                   | 1                 | x    | 7        | 3.600                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 6.000                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | ☐    | 5        | 8.300                                 | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | ☐    | 9        | 9.700                                 | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | ☐    | 5        | 17.000                                | 3535             |                                       |                   |      |          |                                       |                  |
| 355                                   | 1                 | x    | 7        | 4.200                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 6.700                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | x    | 7        | 9.200                                 | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | x    | 10       | 11.000                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | x    | 7        | 18.600                                | 3535             |                                       |                   |      |          |                                       |                  |
| 400                                   | 1                 | x    | 7        | 4.900                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 8.100                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | x    | 7        | 11.000                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | x    | 10       | 12.800                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | x    | 7        | 21.000                                | 3535             |                                       |                   |      |          |                                       |                  |
| 450                                   | 1                 | x    | 7        | 7.000                                 | 2012             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 10.300                                | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | x    | 7        | 14.100                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | x    | 10       | 15.500                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | x    | 7        | 24.300                                | 3535             |                                       |                   |      |          |                                       |                  |
| 500                                   | 1                 | x    | 7        | 8.000                                 | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 11.600                                | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | x    | 7        | 16.000                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | x    | 10       | 18.200                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | x    | 7        | 27.300                                | 3535             |                                       |                   |      |          |                                       |                  |
| 560                                   | 1                 | x    | 7        | 11.600                                | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 15.500                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | x    | 7        | 17.800                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | x    | 7        | 26.700                                | 3535             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | x    | 7        | 30.400                                | 3535             |                                       |                   |      |          |                                       |                  |
| 630                                   | 1                 | x    | 7        | 10.100                                | 2517             |                                       |                   |      |          |                                       |                  |
|                                       | 2                 | x    | 7        | 16.000                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 3                 | x    | 7        | 22.000                                | 3020             |                                       |                   |      |          |                                       |                  |
|                                       | 4                 | x    | 7        | 30.800                                | 3535             |                                       |                   |      |          |                                       |                  |
|                                       | 5                 | x    | 7        | 33.700                                | 3535             |                                       |                   |      |          |                                       |                  |

  

|                                   |    |    |    |    |    |
|-----------------------------------|----|----|----|----|----|
| No. of<br>grooves z               | 1  | 2  | 3  | 4  | 5  |
| Face width b <sub>2</sub><br>(mm) | 20 | 35 | 50 | 65 | 80 |

  

|                                                 |       |       |       |       |       |       |       |       |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Taper<br>bushing                                | 1180  | 1210  | 1610  | 1615  | 2012  | 2517  | 3020  | 3535  |
| Bore d <sub>2</sub><br>(mm)<br>from...<br>to... | 10-28 | 11-32 | 14-42 | 14-42 | 14-50 | 26-60 | 25-75 | 35-90 |

● Solid pulley    ○ Plate pulley (with or without holes)    x Spoked pulley  
 ▲ only for profile 13  
 Material: EN-GJL 200 - DIN EN 1561  
 Bore diameters d<sub>2</sub> see page 4