

Example of order: MAV 1008 100 x 145

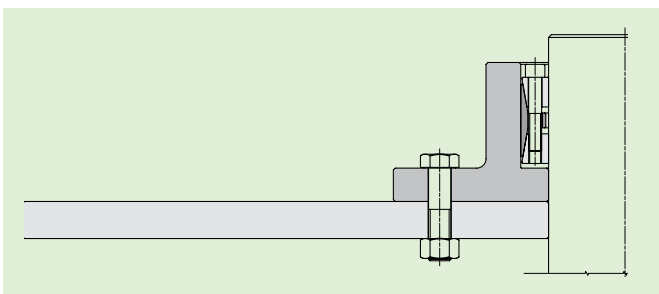
Features

- High capacity
- Self-centering, self-locking
- Two thrust rings with single taper design
- Tolerances: shaft h7-h11; hub bore H7-H11
- Surface finish of shaft and hub bore $Ra < 3.2 \mu m$

Composition

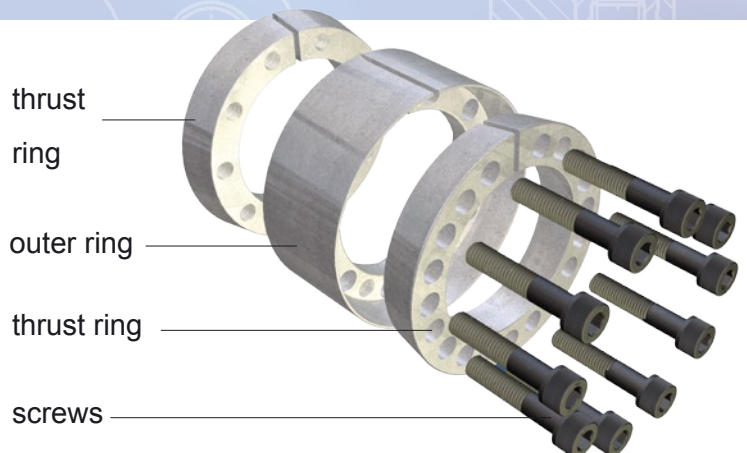
- Slotted front thrust ring, with integrated push-off holes
- Slotted rear thrust ring
- Slotted outer ring, with integrated push-off threads
- Set of socket head cap screws, grade 12.9

Application examples



Brake disc connected with MAV 1008 and flange

Components



| DIMENSIONI | | | | | SCREWS | | PERFORMANCES | | | | WEIGHT kg |
|------------|---|---------|----------|---------|--------|----------|--------------|-----------|-----------|-----------|--------------|
| d mm | x | D mm | L1 mm | L mm | size | Ma Nm | Mt Nm | Fax kN | Ps MPa | Ph MPa | |
| 70 | x | 110 | 62 | 72 | M 10 | 83 | 7.300 | 208 | 197 | 125 | 2,3 |
| 75 | x | 115 | 62 | 72 | M 10 | 83 | 7.800 | 208 | 184 | 120 | 2,4 |
| 80 | x | 120 | 62 | 72 | M 10 | 83 | 10.400 | 260 | 216 | 144 | 2,5 |
| 85 | x | 125 | 62 | 72 | M 10 | 83 | 11.100 | 260 | 203 | 138 | 2,6 |
| 90 | x | 130 | 62 | 72 | M 10 | 83 | 12.900 | 286 | 211 | 146 | 2,7 |
| 95 | x | 135 | 62 | 72 | M 10 | 83 | 13.600 | 286 | 200 | 141 | 2,9 |
| 100 | x | 145 | 72 | 84 | M 12 | 145 | 19.400 | 388 | 215 | 148 | 4,1 |
| 110 | x | 155 | 72 | 84 | M 12 | 145 | 21.400 | 388 | 195 | 138 | 4,3 |
| 120 | x | 165 | 72 | 84 | M 12 | 145 | 25.600 | 427 | 197 | 143 | 4,6 |
| 130 | x | 180 | 81 | 93 | M 12 | 145 | 35.300 | 544 | 205 | 148 | 6,4 |
| 140 | x | 190 | 82 | 94 | M 12 | 145 | 40.800 | 583 | 204 | 151 | 6,7 |
| 150 | x | 200 | 82 | 94 | M 12 | 145 | 43.700 | 583 | 191 | 143 | 7,2 |
| 160 | x | 210 | 82 | 94 | M 12 | 145 | 49.700 | 621 | 191 | 145 | 7,6 |
| 170 | x | 225 | 93 | 107 | M 14 | 230 | 67.500 | 795 | 194 | 146 | 10,5 |
| 180 | x | 235 | 93 | 107 | M 14 | 230 | 71.500 | 795 | 183 | 140 | 10,9 |
| 190 | x | 250 | 105 | 119 | M 14 | 230 | 80.500 | 848 | 156 | 118 | 14,2 |
| 200 | x | 260 | 105 | 119 | M 14 | 230 | 105.000 | 1.047 | 183 | 141 | 14,6 |
| 220 | x | 285 | 111 | 127 | M 16 | 355 | 119.000 | 1.082 | 159 | 123 | 18,9 |
| 240 | x | 305 | 111 | 127 | M 16 | 355 | 173.000 | 1.442 | 194 | 153 | 20,0 |
| 260 | x | 325 | 111 | 127 | M 16 | 355 | 197.000 | 1.514 | 188 | 151 | 21,5 |
| 280 | x | 355 | 111 | 131 | M 20 | 690 | 237.000 | 1.695 | 211 | 167 | 27,0 |
| 300 | x | 375 | 111 | 131 | M 20 | 690 | 254.000 | 1.695 | 197 | 158 | 29,7 |
| 320 | x | 405 | 136 | 156 | M 20 | 690 | 362.000 | 2.260 | 195 | 154 | 43,5 |
| 340 | x | 425 | 136 | 156 | M 20 | 690 | 384.000 | 2.260 | 184 | 147 | 46,5 |
| 360 | x | 455 | 160 | 182 | M 22 | 930 | 499.000 | 2.771 | 170 | 135 | 66,0 |
| 380 | x | 475 | 160 | 182 | M 22 | 930 | 526.000 | 2.771 | 161 | 129 | 68,5 |
| 400 | x | 495 | 160 | 182 | M 22 | 930 | 610.000 | 3.048 | 168 | 136 | 72,0 |
| 420 | x | 515 | 160 | 182 | M 22 | 930 | 698.000 | 3.325 | 175 | 143 | 74,5 |
| 440 | x | 535 | 160 | 182 | M 22 | 930 | 731.000 | 3.325 | 167 | 137 | 78,0 |
| 460 | x | 555 | 160 | 182 | M 22 | 930 | 765.000 | 3.325 | 160 | 132 | 82,0 |
| 480 | x | 575 | 160 | 182 | M 22 | 930 | 831.000 | 3.463 | 159 | 133 | 84,0 |
| 500 | x | 595 | 160 | 182 | M 22 | 930 | 866.000 | 3.463 | 153 | 129 | 88,0 |
| 520 | x | 615 | 160 | 182 | M 22 | 930 | 1.008.000 | 3.879 | 165 | 139 | 91,0 |
| 540 | x | 635 | 160 | 182 | M 22 | 930 | 1.047.000 | 3.879 | 159 | 135 | 94,0 |
| 560 | x | 655 | 160 | 182 | M 22 | 930 | 1.164.000 | 4.156 | 164 | 140 | 97,0 |
| 580 | x | 675 | 160 | 182 | M 22 | 930 | 1.205.000 | 4.156 | 158 | 136 | 100,0 |
| 600 | x | 695 | 160 | 182 | M 22 | 930 | 1.247.000 | 4.156 | 153 | 132 | 103,0 |

Code:

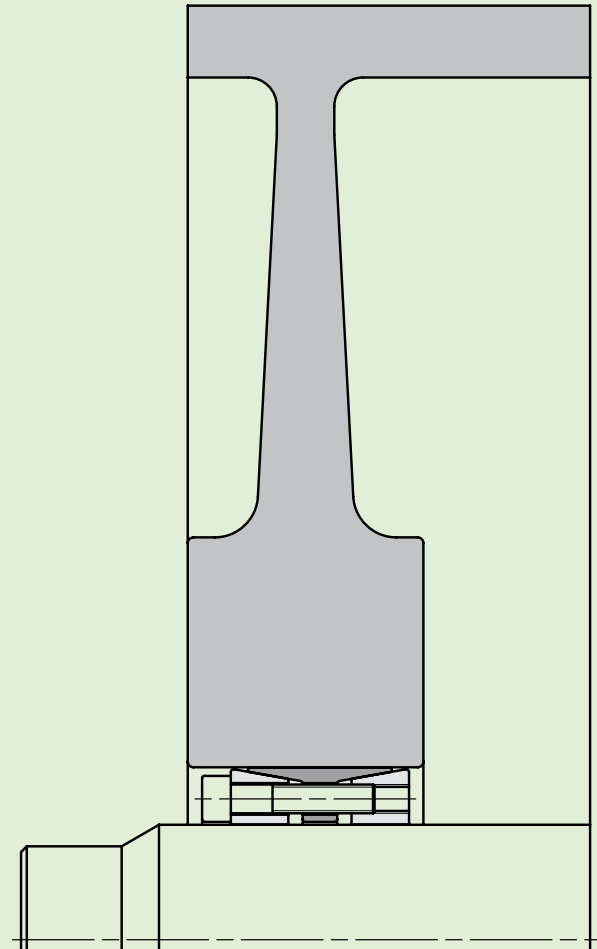
Ma: screws tightening torque

Mt: transmissible torque with Fax=0 kN

Fax: transmissible axial load with Mt=0 Nm

Ps: contact pressure on shaft

Ph: contact pressure in hub bore



Connection of end disc of conveyor pulley for mining industry. The MAV 1008 allows an optimized "T" shaped design of the end disc, which is lighter and cheaper and compensates higher bending moment generated by the tension of the belt.