



Example of order: MAV 3008 100 x 170

Composition

- Slotted inner ring, with integrated push-off threads
- Outer ring
- Set of hexagonal head cap screws, grade 10.9 (size < M6 of grade 8.8) for series MAV 3008 - MAV 3108 - MAV 3208; grade 12.9 for series MAV 3009 - MAV 3209
- Hardened washers DIN 6916 for units with screw size \geq M16

Features

- External locking device for hollow shaft (hub) - shaft connection
- Two-part design
- Self-releasing tapers, greased with MoS₂ ($\mu = 0.05$). Series MAV 3008 – MAV 3009 feature oiled tapers (self-locking) up to size 68x115
- Screws greased with MoS₂ ($\mu = 0.10$)
- MAV 3008 – MAV 3009: standard series, medium capacity
- MAV 3108: light series, low capacity
- MAV 3208 – MAV 3209: heavy series, high capacity
- Tolerances of shaft and hub bore: see table
- Tolerance of hub outer diameter: h8
- Surface finish of shaft and hub $Ra < 3.2 \mu m$
- Shaft – hub bore contact surface grease-free and dry ($\mu = 0.15$)

| Shaft Diameter ds | | ISO Tolerances | Max Clearance |
|-------------------|-----|----------------|---------------|
| from | to | | mm |
| 6 | 10 | H6 - j6 | 0,011 |
| 11 | 18 | | 0,014 |
| 19 | 30 | | 0,017 |
| 31 | 50 | H6 - h6 | 0,032 |
| 51 | 80 | H6 - g6 | 0,048 |
| 81 | 120 | H7 - g6 | 0,069 |
| 121 | 180 | | 0,079 |
| 181 | 250 | | 0,09 |
| 251 | 315 | | 0,101 |
| 316 | 400 | | 0,111 |
| 401 | 500 | | 0,123 |



| DIMENSIONS | | | | | | SCREWS | | FEATURES | | | | WEIGHT kg |
|------------|---------|---|---------|---------|----------|--------|----------|----------|-----------|-----------|-----------|--------------|
| ds mm | d mm | x | D mm | L mm | L1 mm | size | Ma Nm | Mt Nm | Fax kN | Ps MPa | Ph MPa | |
| 95 | | | | | | | | 20600 | 434 | 162 | 231 | 14 |
| 100 | 140 | x | 230 | 84 | 74 | M 16 | 240 | 24100 | 484 | 171 | 231 | |
| 105 | | | | | | | | 28000 | 535 | 180 | 231 | |
| 105 | | | | | | | | 29800 | 569 | 174 | 237 | 20 |
| 110 | 155 | x | 263 | 90 | 80 | M 16 | 240 | 34200 | 623 | 182 | 237 | |
| 115 | | | | | | | | 38900 | 677 | 189 | 237 | |
| 115 | | | | | | | | 42700 | 743 | 190 | 245 | 29 |
| 120 | 165 | x | 290 | 98 | 88 | M 16 | 240 | 48100 | 803 | 197 | 245 | |
| 125 | | | | | | | | 52500 | 842 | 198 | 245 | |
| 125 | | | | | | | | 57200 | 916 | 216 | 270 | 29 |
| 130 | 175 | x | 300 | 98 | 88 | M 16 | 240 | 63700 | 981 | 222 | 270 | |
| 135 | | | | | | | | 70600 | 1047 | 229 | 270 | |
| 135 | | | | | | | | 90700 | 1344 | 286 | 333 | 44 |
| 140 | 185 | x | 320 | 124,5 | 112 | M 20 | 490 | 99500 | 1422 | 291 | 333 | |
| 145 | | | | | | | | 109000 | 1500 | 297 | 333 | |
| 150 | | | | | | | | 105000 | 1402 | 268 | 308 | 49 |
| 155 | 200 | x | 340 | 124,5 | 112 | M 20 | 490 | 114000 | 1474 | 273 | 308 | |
| 160 | | | | | | | | 124000 | 1547 | 277 | 308 | |
| 160 | | | | | | | | 134000 | 1676 | 244 | 285 | 69 |
| 165 | 220 | x | 370 | 146,5 | 134 | M 20 | 490 | 145000 | 1757 | 248 | 285 | |
| 170 | | | | | | | | 156000 | 1838 | 252 | 285 | |
| 170 | | | | | | | | 165000 | 1945 | 231 | 271 | 89 |
| 180 | 240 | x | 405 | 156,5 | 144 | M 20 | 490 | 191000 | 2120 | 238 | 271 | |
| 190 | | | | | | | | 215000 | 2268 | 241 | 271 | |
| 190 | | | | | | | | 242000 | 2549 | 239 | 277 | 109 |
| 200 | 260 | x | 430 | 172,5 | 160 | M 20 | 490 | 275000 | 2755 | 246 | 277 | |
| 210 | | | | | | | | 311000 | 2962 | 252 | 277 | |
| 210 | | | | | | | | 324000 | 3083 | 247 | 279 | 134 |
| 220 | 280 | x | 460 | 187 | 172 | M 24 | 840 | 363000 | 3299 | 253 | 279 | |
| 230 | | | | | | | | 404000 | 3517 | 258 | 279 | |
| 230 | | | | | | | | 365000 | 3177 | 229 | 257 | 149 |
| 240 | 300 | x | 485 | 191 | 176 | M 24 | 840 | 406000 | 3380 | 234 | 257 | |
| 250 | | | | | | | | 448000 | 3586 | 238 | 257 | |
| 240 | | | | | | | | 435000 | 3622 | 235 | 263 | 179 |
| 250 | 320 | x | 520 | 199 | 184 | M 24 | 840 | 480000 | 3838 | 240 | 263 | |
| 260 | | | | | | | | 523000 | 4020 | 241 | 263 | |
| 250 | | | | | | | | 564000 | 4515 | 246 | 274 | 256 |
| 260 | 340 | x | 570 | 223 | 206 | M 27 | 1250 | 613000 | 4716 | 247 | 274 | |
| 270 | | | | | | | | 672000 | 4975 | 251 | 274 | |
| 280 | | | | | | | | 711000 | 5082 | 244 | 268 | 265 |
| 290 | 360 | x | 590 | 227 | 210 | M 27 | 1250 | 774000 | 5337 | 247 | 268 | |
| 300 | | | | | | | | 839000 | 5594 | 250 | 268 | |
| 300 | | | | | | | | 923000 | 6152 | 262 | 285 | 343 |
| 310 | 390 | x | 650 | 237 | 220 | M 27 | 1250 | 996000 | 6428 | 265 | 285 | |
| 320 | | | | | | | | 1067000 | 6669 | 266 | 285 | |
| 330 | | | | | | | | 1094000 | 6631 | 223 | 245 | 407 |
| 340 | 420 | x | 680 | 263 | 246 | M 27 | 1250 | 1175000 | 6915 | 226 | 245 | |
| 350 | | | | | | | | 1260000 | 7200 | 229 | 245 | |
| 340 | | | | | | | | 1242000 | 7306 | 225 | 247 | 531 |
| 350 | 440 | x | 740 | 276,7 | 258 | M 30 | 1700 | 1331000 | 7605 | 227 | 247 | |
| 360 | | | | | | | | 1423000 | 7906 | 230 | 247 | |
| 360 | | | | | | | | 1338000 | 7436 | 216 | 236 | 549 |
| 370 | 460 | x | 760 | 276,7 | 258 | M 30 | 1700 | 1429000 | 7722 | 218 | 236 | |
| 380 | | | | | | | | 1522000 | 8011 | 220 | 236 | |
| 380 | | | | | | | | 1696000 | 8928 | 208 | 226 | 711 |
| 390 | 480 | x | 800 | 316,7 | 298 | M 30 | 1700 | 1804000 | 9254 | 210 | 226 | |
| 400 | | | | | | | | 1916000 | 9581 | 212 | 226 | |
| 400 | | | | | | | | 1963000 | 9813 | 217 | 234 | 791 |
| 410 | 500 | x | 840 | 318,7 | 300 | M 30 | 1700 | 2066000 | 10079 | 217 | 234 | |
| 420 | | | | | | | | 2188000 | 10419 | 219 | 234 | |

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 on hub outer diameter