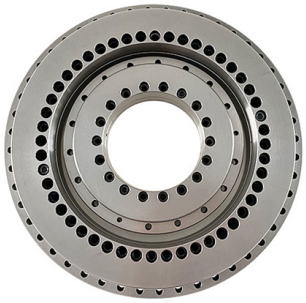
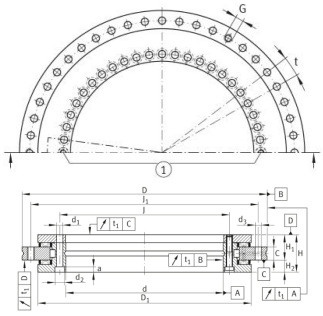
# YRTC Series Rotary Table Bearing





YRTC Series

| Bearing type | Dimensions(mm) | | | | | | | | Inner ring(mm) | | | | Outer ring(mm) | | Threaded extraction hole | | Screw tightening torque(Nm) | Pitch t | Basic load rating(KN) | | | | Limiting speed (NG) | | Rigidity | | | | | | Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | axial | | radial | | | | bearing position | | | rolling element set | | | |
| | d | D | H | H1 | H2 | C | D1 max. | J | J1 | d1 | d2 | a | qty | d3 | qty | G | qty | MA2) | Quantity X t Including retaining screws and extraction threads | Ca | Coa | Co | Cor | Continuous operation | Swivel type operation, short operating duration | axial CaL kN/μm | radial CrLkN/μm | Tilting rigidity CkLkNm/mrad | axial CaL kN/μm | radial CrL kN/μm | Tilting rigidity CkLkNm/mrad | |
| YRTC100 | 100 | 185 | 30 | 25 | 13 | 12 | 161 | 112 | 170 | 5.6 | 10 | 5.4 | 16 | 1.6 | 15 | M5 | 3 | 8.5 | 18 x 20° | 105000 | 455000 | 50000 | 88000 | | | 2.65 | 2.25 | 6.6 | 8.7 | 3.7 | 23.5 | 3.65 |
| YRTC120 | 120 | 210 | 40 | 26 | 14 | 12 | 185 | 135 | 195 | 7 | 11 | 6.2 | 22 | 7 | 21 | M8 | 3 | 14 | 24 x 15° | 112000 | 520000 | 69000 | 124000 | | | 2.9 | 2.6 | 9.9 | 9.8 | 4 | 35.5 | 4.61 |
| YRTC150 | 150 | 240 | 40 | 26 | 14 | 12 | 214.5 | 165 | 225 | 7 | 11 | 6.2 | 34 | 7 | 33 | M8 | 3 | 14 | 36 x 10° | 128000 | 65000 | 75000 | 146000 | | | 3.8 | 3.2 | 17 | 12 | 4.8 | 61 | 5.4 |
| YRTC180 | 180 | 280 | 43 | 29 | 14 | 15 | 245.1 | 194 | 260 | 7 | 11 | 6.2 | 46 | 7 | 45 | M8 | 3 | 14 | 48 x 7.5° | 135000 | 73000 | 100000 | 200000 | | | 4.7 | 3.6 | 27 | 13.5 | 5.3 | 88.5 | 7.2 |
| YRTC200 | 200 | 300 | 45 | 30 | 15 | 15 | 274.4 | 215 | 285 | 7 | 11 | 6.2 | 46 | 7 | 45 | M8 | 3 | 14 | 48 x 7.5° | 147000 | 850000 | 123000 | 275000 | | | 4.9 | 4.1 | 40 | 15.5 | 6.2 | 128 | 9.2 |
| YRTC260 | 260 | 385 | 55 | 36.5 | 18.5 | 18 | 347 | 280 | 365 | 9.3 | 15 | 8.2 | 34 | 9.3 | 33 | M12 | 3 | 34 | 36 x 10° | 168000 | 1090000 | 140000 | 355000 | | | 6.9 | 5.3 | 104 | 19 | 81 | 26.5 | 17.8 |
| YRTC325 | 325 | 450 | 60 | 40 | 20 | 20 | 415.1 | 342 | 430 | 9.3 | 15 | 8.2 | 34 | 9.3 | 33 | M12 | 3 | 34 | 36 x 10° | 248000 | 1900000 | 183000 | 530000 | | | 13 | 71 | 159 | 33 | 99 | 633 | 24.7 |
| YRTC395 | 395 | 525 | 65 | 42.5 | 22.5 | 20 | 487.7 | 415 | 505 | 9.3 | 15 | 9.3 | 46 | 9.3 | 45 | M12 | 3 | 34 | 48 x 7.5° | 265000 | 2190000 | 200000 | 640000 | | | 9.9 | 5.8 | 28 | 37 | 13 | 1002 | 32.5 |
| YRTC460 | 460 | 600 | 70 | 46 | 24 | 22 | 560.9 | 482 | 580 | 9.3 | 15 | 8.2 | 46 | 9.3 | 45 | M12 | 3 | 34 | 48 x 7.5° | 288000 | 2550000 | 267000 | 880000 | | | 12 | 6.5 | 429 | 43 | 17 | 154.3 | 45.2 |
| YRTC580 | 580 | 750 | 90 | 60 | 30 | 30 | 700 | 610 | 720 | 11.4 | 18 | 11 | 46 | 11.4 | 42 | M12 | 6 | 68 | 48 x 7.5° | 510000 | 4450000 | 208000 | 730000 | 80 | 200 | 11.9 | 2.9 | 735 | 41.8 | 11.2 | 1960 | 89 |
| YRTC650 | 650 | 870 | 122 | 78 | 44 | 34 | 800 | 680 | 830 | 14 | 20 | 13 | 46 | 14 | 42 | M12 | 6 | 116 | 48 x 7.5° | 810000 | 6800000 | 405000 | 1300000 | 70 | 170 | 20.6 | 7.3 | 1193 | 51.4 | 8.2 | 3554 | 170 |
| YRTC850 | 850 | 1095 | 124 | 80.5 | 43.5 | 37 | 1018 | 890 | 1055 | 18 | 26 | 17 | 58 | 18 | 54 | M16 | 6 | 284 | 60 x 6° | 900000 | 8500000 | 460000 | 1690000 | 50 | 125 | 26.5 | 11.9 | 2351 | 61.9 | 12 | 6772 | 253 |
| YRTC1030 | 1030 | 1300 | 145 | 92.5 | – | 40 | 1215 | 1075 | 1255 | 18 | 26 | 17 | 70 | 18 | 66 | M16 | 6 | 284 | 72 x 5° | 1000000 | 10300000 | 510000 | 2050000 | 40 | 100 | 36.4 | 11.2 | 5400 | 74.9 | 14.2 | 11165 | 375 |