

| Designation | Dimensions | | | | | | | Performance | | | Calculation Data | | | | | | Mass (kg) |
|-----------------|---------------|---------------------|---------------------|-------|-------------------|-------------------|--------------------------------------|---------------------------|--------------------------|------------------------|---|------|-------|------|-------|------|--------------|
| | Contact Angle | Inner Ring Diameter | Outer Ring Diameter | Width | Chamfer dimension | | Distance Side Face to Pressure Point | Basic Dynamic Load Rating | Basic Static Load Rating | Limiting Speed (r/min) | Preload & Rigidity (Back to Back, Face to Face) | | | | | | |
| | | | | | A | B | | | | | C | | | | | | |
| | ° | d | D | B | r _{min} | r _{1min} | a | C (N) | C ₀ (N) | Grease | N | N/μm | N | N/μm | N | N/μm | ≈ |
| B7000C-2RZ/HQ1 | 15 | 10.00 | 26.00 | 8.00 | 0.30 | 0.15 | 6.00 | 2.20 | 1.20 | 90,000 | 9 | 10 | 27 | 15 | 54 | 21 | 0.020 |
| B7000AC-2RZ/HQ1 | 25 | 10.00 | 26.00 | 8.00 | 0.30 | 0.15 | 8.00 | 2.10 | 1.20 | 75,000 | 15 | 26 | 45 | 38 | 90 | 50 | 0.020 |
| B7001C-2RZ/HQ1 | 15 | 12.00 | 28.00 | 8.00 | 0.30 | 0.15 | 7.00 | 2.20 | 1.30 | 80,000 | 9 | 10 | 27 | 15 | 54 | 21 | 0.020 |
| B7001AC-2RZ/HQ1 | 25 | 12.00 | 28.00 | 8.00 | 0.30 | 0.15 | 9.00 | 2.00 | 1.20 | 70,000 | 15 | 26 | 45 | 38 | 90 | 50 | 0.020 |
| B7002C-2RZ/HQ1 | 15 | 15.00 | 32.00 | 9.00 | 0.30 | 0.15 | 8.00 | 3.60 | 2.30 | 70,000 | 13 | 14 | 39 | 22 | 78 | 30 | 0.030 |
| B7002AC-2RZ/HQ1 | 25 | 15.00 | 32.00 | 9.00 | 0.30 | 0.15 | 10.00 | 3.50 | 2.20 | 60,000 | 20 | 30 | 60 | 54 | 120 | 70 | 0.030 |
| B7003C-2RZ/HQ1 | 15 | 17.00 | 35.00 | 10.00 | 0.30 | 0.15 | 8.00 | 3.80 | 2.50 | 63,000 | 13 | 15 | 39 | 23 | 78 | 32 | 0.040 |
| B7003AC-2RZ/HQ1 | 25 | 17.00 | 35.00 | 10.00 | 0.30 | 0.15 | 11.00 | 3.60 | 2.30 | 53,000 | 21 | 39 | 63 | 57 | 125 | 74 | 0.040 |
| B7004C-2RZ/HQ1 | 15 | 20.00 | 42.00 | 12.00 | 0.60 | 0.15 | 10.00 | 6.10 | 4.30 | 53,000 | 21 | 20 | 63 | 31 | 125 | 43 | 0.080 |
| B7004AC-2RZ/HQ1 | 25 | 20.00 | 42.00 | 12.00 | 0.60 | 0.15 | 13.00 | 5.80 | 4.10 | 45,000 | 34 | 52 | 102 | 78 | 200 | 101 | 0.080 |
| B7005C-2RZ/HQ1 | 15 | 25.00 | 47.00 | 12.00 | 0.60 | 0.15 | 11.00 | 6.20 | 4.60 | 45,000 | 21 | 21 | 63 | 33 | 125 | 45 | 0.090 |
| B7005AC-2RZ/HQ1 | 25 | 25.00 | 47.00 | 12.00 | 0.60 | 0.15 | 14.00 | 5.80 | 4.40 | 38,000 | 35 | 54 | 105 | 80 | 210 | 104 | 0.090 |
| B7006C-2RZ/HQ1 | 15 | 30.00 | 55.00 | 13.00 | 1.00 | 0.30 | 12.00 | 8.60 | 6.60 | 38,000 | 29 | 25 | 87 | 39 | 175 | 53 | 0.130 |
| B7006AC-2RZ/HQ1 | 25 | 30.00 | 55.00 | 13.00 | 1.00 | 0.30 | 16.00 | 8.10 | 6.30 | 32,000 | 48 | 65 | 145 | 96 | 290 | 124 | 0.130 |
| B7007C-2RZ/HQ1 | 15 | 35.00 | 62.00 | 14.00 | 1.00 | 0.30 | 13.00 | 9.20 | 7.80 | 34,000 | 32 | 28 | 96 | 43 | 190 | 59 | 0.180 |
| B7007AC-2RZ/HQ1 | 25 | 35.00 | 62.00 | 14.00 | 1.00 | 0.30 | 18.00 | 8.70 | 7.40 | 28,000 | 51 | 72 | 150 | 107 | 300 | 139 | 0.180 |
| B7008C-2RZ/HQ1 | 15 | 40.00 | 68.00 | 15.00 | 1.00 | 0.30 | 15.00 | 9.80 | 8.90 | 30,000 | 34 | 31 | 108 | 48 | 215 | 66 | 0.200 |
| B7008AC-2RZ/HQ1 | 25 | 40.00 | 68.00 | 15.00 | 1.00 | 0.30 | 20.00 | 9.30 | 8.40 | 26,000 | 54 | 80 | 160 | 119 | 320 | 154 | 0.200 |
| B7009C-2RZ/HQ1 | 15 | 45.00 | 75.00 | 16.00 | 1.00 | 0.30 | 16.00 | 12.50 | 11.40 | 26,000 | 44 | 34 | 132 | 53 | 265 | 73 | 0.260 |
| B7009AC-2RZ/HQ1 | 25 | 45.00 | 75.00 | 16.00 | 1.00 | 0.30 | 22.00 | 11.80 | 10.70 | 24,000 | 71 | 89 | 210 | 132 | 420 | 171 | 0.260 |
| B7010C-2RZ/HQ1 | 15 | 50.00 | 80.00 | 16.00 | 1.00 | 0.30 | 17.00 | 12.90 | 12.40 | 24,000 | 46 | 36 | 138 | 57 | 275 | 77 | 0.280 |
| B7010AC-2RZ/HQ1 | 25 | 50.00 | 80.00 | 16.00 | 1.00 | 0.30 | 23.00 | 12.30 | 11.70 | 22,000 | 74 | 95 | 220 | 140 | 440 | 182 | 0.280 |
| B7011C-2RZ/HQ1 | 15 | 55.00 | 90.00 | 18.00 | 0.60 | 1.10 | 19.00 | 18.60 | 17.80 | 22,000 | 64 | 43 | 190 | 67 | 380 | 91 | 0.410 |
| B7011AC-2RZ/HQ1 | 25 | 55.00 | 90.00 | 18.00 | 0.60 | 1.10 | 26.00 | 17.50 | 16.80 | 19,000 | 105 | 112 | 310 | 165 | 620 | 214 | 0.410 |
| B7012C-2RZ/HQ1 | 15 | 60.00 | 95.00 | 18.00 | 0.60 | 1.10 | 19.00 | 19.30 | 19.30 | 20,000 | 67 | 45 | 200 | 71 | 400 | 97 | 0.430 |
| B7012AC-2RZ/HQ1 | 25 | 60.00 | 95.00 | 18.00 | 0.60 | 1.10 | 27.00 | 18.20 | 18.20 | 18,000 | 105 | 119 | 310 | 175 | 620 | 228 | 0.430 |
| B7013C-2RZ/HQ1 | 15 | 65.00 | 100.00 | 18.00 | 0.60 | 1.10 | 20.00 | 19.90 | 20.80 | 20,000 | 70 | 48 | 210 | 75 | 420 | 102 | 0.460 |
| B7013AC-2RZ/HQ1 | 25 | 65.00 | 100.00 | 18.00 | 0.60 | 1.10 | 28.00 | 18.80 | 19.70 | 17,000 | 110 | 126 | 330 | 186 | 660 | 241 | 0.460 |
| B7014C-2RZ/HQ1 | 15 | 70.00 | 110.00 | 20.00 | 1.10 | 0.60 | 22.00 | 25.90 | 26.70 | 18,000 | 89 | 53 | 270 | 83 | 540 | 113 | 0.640 |
| B7014AC-2RZ/HQ1 | 25 | 70.00 | 110.00 | 20.00 | 1.10 | 0.60 | 31.00 | 24.40 | 25.20 | 15,000 | 145 | 138 | 430 | 204 | 860 | 266 | 0.640 |
| B7015C-2RZ/HQ1 | 15 | 75.00 | 115.00 | 20.00 | 1.10 | 0.60 | 23.00 | 26.20 | 27.80 | 17,000 | 91 | 54 | 270 | 85 | 540 | 116 | 0.670 |
| B7015AC-2RZ/HQ1 | 25 | 75.00 | 115.00 | 20.00 | 1.10 | 0.60 | 32.00 | 24.70 | 26.30 | 15,000 | 150 | 142 | 450 | 210 | 900 | 273 | 0.670 |
| B7016C-2RZ/HQ1 | 15 | 80.00 | 125.00 | 22.00 | 1.10 | 0.60 | 25.00 | 31.20 | 33.50 | 16,000 | 110 | 59 | 330 | 93 | 660 | 127 | 0.900 |
| B7016AC-2RZ/HQ1 | 25 | 80.00 | 125.00 | 22.00 | 1.10 | 0.60 | 35.00 | 29.50 | 31.70 | 13,000 | 175 | 156 | 520 | 230 | 1,040 | 299 | 0.900 |
| B7017C-2RZ/HQ1 | 15 | 85.00 | 130.00 | 22.00 | 1.10 | 0.60 | 25.00 | 31.60 | 34.90 | 15,000 | 110 | 61 | 330 | 95 | 660 | 130 | 0.940 |
| B7017AC-2RZ/HQ1 | 25 | 85.00 | 130.00 | 22.00 | 1.10 | 0.60 | 36.00 | 29.90 | 32.90 | 13,000 | 180 | 160 | 540 | 236 | 1,080 | 306 | 0.940 |
| B7018C-2RZ/HQ1 | 15 | 90.00 | 140.00 | 24.00 | 1.50 | 0.60 | 27.00 | 37.10 | 41.40 | 14,000 | 130 | 66 | 390 | 104 | 780 | 141 | 1.240 |
| B7018AC-2RZ/HQ1 | 25 | 90.00 | 140.00 | 24.00 | 1.50 | 0.60 | 39.00 | 35.10 | 39.10 | 12,000 | 210 | 174 | 630 | 256 | 1,260 | 333 | 1.240 |
| B7019C-2RZ/HQ1 | 15 | 95.00 | 145.00 | 24.00 | 1.50 | 0.60 | 28.00 | 37.60 | 43.00 | 13,000 | 130 | 68 | 390 | 106 | 780 | 145 | 1.260 |
| B7019AC-2RZ/HQ1 | 25 | 95.00 | 145.00 | 24.00 | 1.50 | 0.60 | 40.00 | 35.50 | 40.60 | 11,000 | 210 | 178 | 630 | 263 | 1,260 | 342 | 1.260 |
| B7020C-2RZ/HQ1 | 15 | 100.00 | 150.00 | 24.00 | 1.50 | 0.60 | 29.00 | 38.10 | 44.60 | 12,000 | 135 | 70 | 400 | 109 | 800 | 148 | 1.340 |
| B7020AC-2RZ/HQ1 | 25 | 100.00 | 150.00 | 24.00 | 1.50 | 0.60 | 41.00 | 36.00 | 42.10 | 11,000 | 215 | 183 | 640 | 270 | 1,280 | 350 | 1.340 |
| B7021C-2RZ/HQ1 | 15 | 105.00 | 160.00 | 26.00 | 2.00 | 1.00 | 31.00 | 49.10 | 56.30 | 12,000 | 170 | 77 | 510 | 120 | 1,020 | 163 | 1.660 |
| B7021AC-2RZ/HQ1 | 25 | 105.00 | 160.00 | 26.00 | 2.00 | 1.00 | 44.00 | 46.40 | 53.20 | 10,000 | 275 | 201 | 820 | 296 | 1,640 | 385 | 1.660 |
| B7022C-2RZ/HQ1 | 15 | 110.00 | 170.00 | 28.00 | 2.00 | 1.00 | 33.00 | 49.70 | 58.50 | 11,000 | 175 | 78 | 520 | 123 | 1,040 | 167 | 2.160 |
| B7022AC-2RZ/HQ1 | 25 | 110.00 | 170.00 | 28.00 | 2.00 | 1.00 | 47.00 | 46.90 | 55.30 | 9,000 | 280 | 206 | 840 | 304 | 1,680 | 395 | 2.160 |
| B7024C-2RZ/HQ1 | 15 | 120.00 | 180.00 | 28.00 | 2.00 | 1.00 | 34.00 | 51.00 | 62.80 | 10,000 | 180 | 82 | 540 | 129 | 1,080 | 176 | 2.210 |
| B7024AC-2RZ/HQ1 | 25 | 120.00 | 180.00 | 28.00 | 2.00 | 1.00 | 49.00 | 48.20 | 58.50 | 8,500 | 290 | 216 | 870 | 319 | 1,740 | 415 | 2.210 |
| B7026C-2RZ/HQ1 | 15 | 130.00 | 200.00 | 33.00 | 2.00 | 1.00 | 39.00 | 65.40 | 81.50 | 9,000 | 230 | 93 | 690 | 146 | 1,380 | 199 | 3.520 |
| B7026AC-2RZ/HQ1 | 25 | 130.00 | 200.00 | 33.00 | 2.00 | 1.00 | 55.00 | 61.00 | 77.00 | 7,500 | 360 | 246 | 1,080 | 363 | 2,160 | 471 | 3.520 |