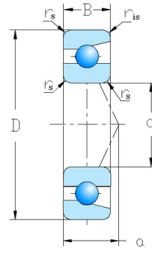
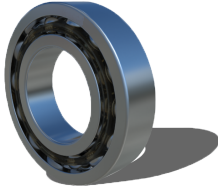


7000 Series



| select | Inquiry | Bearing Numbers | | Principal dimensions(mm) | | | | | | Basic load ratings(N) | | Basic load ratings(kgf) | | Value | Limiting Speed (rpm) | | Distance of action point(mm) | Abutment and fillet dimensions | | | Basic load ratings (duplex bearing) (N) | | | | Basic load ratings (duplex bearing) (kgf) | | Limiting Speed (duplex bearing) (rpm) | | Distance of action point (duplex bearing)(a0) | | Installation dimensions (duplex bearing) | |
|--------|---------|-----------------|--------|--------------------------|----|----|-----|------|--------|-----------------------|------|-------------------------|------|-------|----------------------|------|------------------------------|--------------------------------|-----|-------|---|---------|---------|------|---|-------|---------------------------------------|------|---|------|--|--------------------------|
| | | Single row | DB | DF | DT | d | D | B | r(min) | r1(min) | Cr | Cor | Cr | | Cor | fo | | Grease | Oil | a | da(min) | Da(max) | ra(max) | (kg) | Cr | Cor | Cr | Cor | Grease | Oil | back-to-back arrangement | face-to-face arrangement |
| 7000A | 7000DB | 7000DF | 7000DT | 10 | 26 | 8 | 0.3 | 0.15 | 5350 | 2600 | 550 | 266 | 13.2 | 32000 | 43000 | 9.2 | 12.5 | 23.5 | 0.3 | 0.019 | 8750 | 5200 | 890 | 530 | 24000 | 34000 | 18.4 | 2.4 | 11.2 | 24.8 | 0.15 | |
| 7000C | 7000DB | 7000DF | 7000DT | 10 | 26 | 8 | 0.3 | 0.15 | 5300 | 2490 | 540 | 254 | 12.6 | 45000 | 63000 | 6.4 | 12.5 | 23.5 | 0.3 | 0.021 | 8650 | 5000 | 880 | 510 | 36000 | 50000 | 12.8 | 3.2 | - | 24.8 | 0.15 | |
| 7001A | 7001DB | 7001DF | 7001DT | 12 | 28 | 8 | 0.3 | 0.15 | 5800 | 2980 | 590 | 305 | 13.8 | 28000 | 38000 | 9.8 | 14.5 | 25.5 | 0.3 | 0.021 | 9400 | 5950 | 955 | 610 | 22000 | 30000 | 19.5 | 3.5 | 13.2 | 26.8 | 0.15 | |
| 7001C | 7001DB | 7001DF | 7001DT | 12 | 28 | 8 | 0.3 | 0.15 | 5800 | 2900 | 590 | 296 | 13.5 | 40000 | 56000 | 6.7 | 14.5 | 25.5 | 0.3 | 0.024 | 9400 | 5800 | 960 | 590 | 32000 | 45000 | 13.4 | 2.6 | - | 26.8 | 0.15 | |
| 7002A | 7002DB | 7002DF | 7002DT | 15 | 32 | 9 | 0.3 | 0.15 | 6100 | 3450 | 625 | 350 | 14.5 | 24000 | 32000 | 11.3 | 17.5 | 29.5 | 0.3 | 0.03 | 9950 | 6850 | 1010 | 700 | 19000 | 26000 | 22.6 | 4.6 | 16.2 | 30.8 | 0.15 | |
| 7002C | 7002DB | 7002DF | 7002DT | 15 | 32 | 9 | 0.3 | 0.15 | 6250 | 3400 | 635 | 345 | 14.1 | 34000 | 48000 | 7.6 | 17.5 | 29.5 | 0.3 | 0.034 | 10100 | 6750 | 1030 | 690 | 28000 | 38000 | 15.3 | 2.7 | - | 30.8 | 0.15 | |
| 7003A | 7003DB | 7003DF | 7003DT | 17 | 35 | 10 | 0.3 | 0.15 | 6400 | 3800 | 655 | 390 | 14.9 | 22000 | 30000 | 12.5 | 19.5 | 32.5 | 0.3 | 0.04 | 10400 | 7650 | 1060 | 780 | 17000 | 24000 | 25 | 5 | 18.2 | 33.8 | 0.15 | |
| 7003C | 7003DB | 7003DF | 7003DT | 17 | 35 | 10 | 0.3 | 0.15 | 6600 | 3800 | 675 | 390 | 14.5 | 32000 | 43000 | 8.5 | 19.5 | 32.5 | 0.3 | 0.044 | 10700 | 7600 | 1100 | 775 | 26000 | 34000 | 17 | 3 | - | 33.8 | 0.15 | |
| 7004A | 7004DB | 7004DF | 7004DT | 20 | 42 | 12 | 0.6 | 0.3 | 10800 | 6600 | 1110 | 670 | 14.5 | 18000 | 24000 | 14.9 | 25 | 37 | 0.6 | 0.068 | 17600 | 13200 | 1800 | 1340 | 15000 | 20000 | 29.9 | 5.9 | 22.5 | 39.5 | 0.3 | |
| 7004C | 7004DB | 7004DF | 7004DT | 20 | 42 | 12 | 0.6 | 0.3 | 11100 | 6550 | 1130 | 665 | 14 | 26000 | 36000 | 10.1 | 25 | 37 | 0.6 | 0.076 | 18000 | 13100 | 1840 | 1330 | 20000 | 30000 | 20.3 | 3.7 | - | 39.5 | 0.3 | |
| 7005A | 7005DB | 7005DF | 7005DT | 25 | 47 | 12 | 0.6 | 0.3 | 11300 | 7400 | 1150 | 750 | 15.1 | 16000 | 22000 | 16.4 | 30 | 42 | 0.6 | 0.079 | 18300 | 14800 | 1870 | 1510 | 13000 | 17000 | 32.8 | 8.8 | 27.5 | 44.5 | 0.3 | |
| 7005C | 7005DB | 7005DF | 7005DT | 25 | 47 | 12 | 0.6 | 0.3 | 11700 | 7400 | 1190 | 755 | 14.7 | 22000 | 30000 | 10.8 | 30 | 42 | 0.6 | 0.089 | 19000 | 14800 | 1940 | 1510 | 18000 | 26000 | 21.6 | 2.4 | - | 44.5 | 0.3 | |
| 7006A | 7006DB | 7006DF | 7006DT | 30 | 55 | 13 | 1 | 0.6 | 14500 | 10100 | 1480 | 1030 | 15.3 | 13000 | 18000 | 18.8 | 36 | 49 | 1 | 0.116 | 23600 | 20200 | 2410 | 2060 | 11000 | 15000 | 37.5 | 11.5 | 35 | 50 | 0.6 | |
| 7006C | 7006DB | 7006DF | 7006DT | 30 | 55 | 13 | 1 | 0.6 | 15100 | 10300 | 1540 | 1050 | 14.9 | 19000 | 26000 | 12.2 | 36 | 49 | 1 | 0.134 | 24600 | 20500 | 2510 | 2090 | 15000 | 22000 | 24.4 | 1.6 | - | 50 | 0.6 | |
| 7007A | 7007DB | 7007DF | 7007DT | 35 | 62 | 14 | 1 | 0.6 | 18300 | 13400 | 1870 | 1370 | 15.4 | 12000 | 16000 | 21 | 41 | 56 | 1 | 0.153 | 29700 | 26800 | 3050 | 2740 | 9500 | 13000 | 42 | 14 | 40 | 57 | 0.6 | |
| 7007C | 7007DB | 7007DF | 7007DT | 35 | 62 | 14 | 1 | 0.6 | 19100 | 13700 | 1950 | 1390 | 15 | 17000 | 22000 | 13.5 | 41 | 56 | 1 | 0.173 | 31000 | 27300 | 3150 | 2790 | 13000 | 19000 | 27 | 1 | - | 57 | 0.6 | |
| 7004A | 7004DB | 7004DF | 7004DT | 20 | 42 | 12 | 0.6 | 0.3 | 10800 | 6600 | 1110 | 670 | 14.5 | 18000 | 24000 | 14.9 | 25 | 37 | 0.6 | 0.068 | 17600 | 13200 | 1800 | 1340 | 15000 | 20000 | 29.9 | 5.9 | 22.5 | 39.5 | 0.3 | |
| 7004C | 7004DB | 7004DF | 7004DT | 20 | 42 | 12 | 0.6 | 0.3 | 11100 | 6550 | 1130 | 665 | 14 | 26000 | 36000 | 10.1 | 25 | 37 | 0.6 | 0.076 | 18000 | 13100 | 1840 | 1330 | 20000 | 30000 | 20.3 | 3.7 | - | 39.5 | 0.3 | |
| 7005A | 7005DB | 7005DF | 7005DT | 25 | 47 | 12 | 0.6 | 0.3 | 11300 | 7400 | 1150 | 750 | 15.1 | 16000 | 22000 | 16.4 | 30 | 42 | 0.6 | 0.079 | 18300 | 14800 | 1870 | 1510 | 13000 | 17000 | 32.8 | 8.8 | 27.5 | 44.5 | 0.3 | |
| 7005C | 7005DB | 7005DF | 7005DT | 25 | 47 | 12 | 0.6 | 0.3 | 11700 | 7400 | 1190 | 755 | 14.7 | 22000 | 30000 | 10.8 | 30 | 42 | 0.6 | 0.089 | 19000 | 14800 | 1940 | 1510 | 18000 | 26000 | 21.6 | 2.4 | - | 44.5 | 0.3 | |
| 7006A | 7006DB | 7006DF | 7006DT | 30 | 55 | 13 | 1 | 0.6 | 14500 | 10100 | 1480 | 1030 | 15.3 | 13000 | 18000 | 18.8 | 36 | 49 | 1 | 0.116 | 23600 | 20200 | 2410 | 2060 | 11000 | 15000 | 37.5 | 11.5 | 35 | 50 | 0.6 | |
| 7006C | 7006DB | 7006DF | 7006DT | 30 | 55 | 13 | 1 | 0.6 | 15100 | 10300 | 1540 | 1050 | 14.9 | 19000 | 26000 | 12.2 | 36 | 49 | 1 | 0.134 | 24600 | 20500 | 2510 | 2090 | 15000 | 22000 | 24.4 | 1.6 | - | 50 | 0.6 | |
| 7007A | 7007DB | 7007DF | 7007DT | 35 | 62 | 14 | 1 | 0.6 | 18300 | 13400 | 1870 | 1370 | 15.4 | 12000 | 16000 | 21 | 41 | 56 | 1 | 0.153 | 29700 | 26800 | 3050 | 2740 | 9500 | 13000 | 42 | 14 | 40 | 57 | 0.6 | |
| 7007C | 7007DB | 7007DF | 7007DT | 35 | 62 | 14 | 1 | 0.6 | 19100 | 13700 | 1950 | 1390 | 15 | 17000 | 22000 | 13.5 | 41 | 56 | 1 | 0.173 | 31000 | 27300 | 3150 | 2790 | 13000 | 19000 | 27 | 1 | - | 57 | 0.6 | |
| 7008A | 7008DB | 7008DF | 7008DT | 40 | 68 | 15 | 1 | 0.6 | 19500 | 15400 | 1990 | 1570 | 15.7 | 10000 | 14000 | 23.1 | 46 | 62 | 1 | 0.19 | 31500 | 31000 | 3250 | 3150 | 8500 | 11000 | 46.2 | 16.2 | 45 | 63 | 0.6 | |
| 7008C | 7008DB | 7008DF | 7008DT | 40 | 68 | 15 | 1 | 0.6 | 20600 | 15900 | 2100 | 1620 | 15.4 | 15000 | 20000 | 14.7 | 46 | 62 | 1 | 0.212 | 33500 | 32000 | 3400 | 3250 | 12000 | 17000 | 29.5 | 0.5 | - | 63 | 0.6 | |
| 7009A | 7009DB | 7009DF | 7009DT | 45 | 75 | 16 | 1 | 0.6 | 23100 | 18700 | 2360 | 1910 | 15.7 | 9500 | 13000 | 25.3 | 51 | 69 | 1 | 0.25 | 37500 | 37500 | 3850 | 3800 | 7500 | 10000 | 50.6 | 18.6 | 50 | 70 | 0.6 | |
| 7009C | 7009DB | 7009DF | 7009DT | 45 | 75 | 16 | 1 | 0.6 | 24400 | 19300 | 2490 | 1960 | 15.4 | 14000 | 19000 | 16 | 51 | 69 | 1 | 0.269 | 39500 | 38500 | 4050 | 3950 | 11000 | 15000 | 32.1 | 0.1 | - | 70 | 0.6 | |
| 7010A | 7010DB | 7010DF | 7010DT | 50 | 80 | 16 | 1 | 0.6 | 24500 | 21100 | 2500 | 2150 | 16 | 8500 | 12000 | 26.8 | 56 | 74 | 1 | 0.263 | 40000 | 42000 | 4050 | 4300 | 7100 | 9500 | 53.5 | 21.5 | 55 | 75 | 0.6 | |
| 7010C | 7010DB | 7010DF | 7010DT | 50 | 80 | 16 | 1 | 0.6 | 26000 | 21900 | 2650 | 2230 | 15.9 | 12000 | 17000 | 16.7 | 56 | 74 | 1 | 0.293 | 42000 | 44000 | 4300 | 4450 | 10000 | 14000 | 33.4 | 1.4 | - | 75 | 0.6 | |