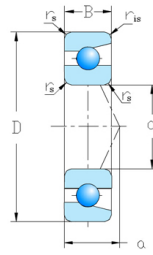
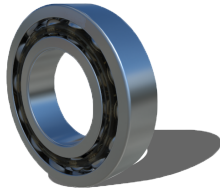


# 7000 Series



| 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 |
| 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                      |