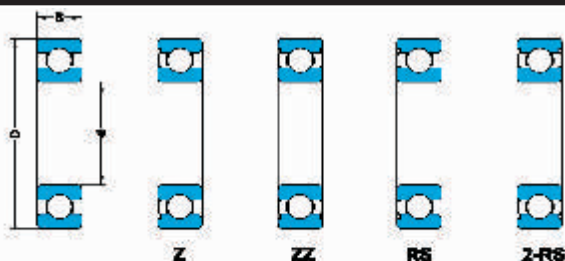


Deep groove ball bearings
Single row
d 50-70 mm



| Principal Dimensions | | | Basic load ratings | | Fatigue Load Limit P _u kN | Speed ratings Lubrication | | Mass kg | Designation |
|----------------------|-----|----|--------------------|--------------------------|--|------------------------------|------------|------------|--------------|
| d mm | D | B | dynamic C kN | Static C ₀ | | Grease RPM | Oil RPM | | |
| 50 | 65 | 7 | 6.24 | 4.75 | 0.25 | 9000 | 11000 | 0.052 | 61810 |
| | 72 | 12 | 14.6 | 10.4 | 0.50 | 8500 | 10000 | 0.14 | 61910 |
| | 80 | 10 | 16.3 | 11.4 | 0.56 | 8500 | 10000 | 0.18 | 16010 |
| | 80 | 16 | 21.6 | 16.0 | 0.71 | 8500 | 10000 | 0.26 | 6010 |
| | 90 | 20 | 35.1 | 23.2 | 0.98 | 7000 | 8500 | 0.46 | 6210 |
| | 110 | 27 | 61.8 | 38.0 | 1.60 | 6300 | 7500 | 1.05 | 6310 |
| | 130 | 31 | 87.1 | 52.0 | 2.20 | 5300 | 6300 | 1.90 | 6410 |
| 55 | 72 | 9 | 8.84 | 6.8 | 0.36 | 8500 | 10000 | 0.083 | 61811 |
| | 80 | 13 | 15.9 | 11.4 | 0.56 | 8000 | 9500 | 0.19 | 61911 |
| | 90 | 11 | 19.5 | 14.0 | 0.69 | 7500 | 9000 | 0.26 | 16011 |
| | 90 | 18 | 28.1 | 21.2 | 0.90 | 7500 | 9000 | 0.39 | 6011 |
| | 100 | 21 | 43.6 | 29.0 | 1.25 | 6300 | 7500 | 0.61 | 6211 |
| | 120 | 21 | 43.6 | 29.0 | 1.25 | 6300 | 7500 | 0.61 | 6311 |
| | 140 | 33 | 99.5 | 62.0 | 2.60 | 5000 | 6000 | 2.30 | 6411 |
| 60 | 78 | 10 | 8.71 | 6.7 | 0.36 | 7500 | 9000 | 0.11 | 61812 |
| | 85 | 13 | 16.5 | 12.0 | 0.60 | 7500 | 9000 | 0.20 | 61912 |
| | 95 | 11 | 19.9 | 15.0 | 0.73 | 6700 | 8000 | 0.28 | 16012 |
| | 95 | 18 | 29.6 | 23.2 | 0.98 | 6700 | 8000 | 0.42 | 6012 |
| | 110 | 22 | 52.7 | 36.0 | 1.53 | 6000 | 7000 | 0.78 | 6212 |
| | 130 | 31 | 81.9 | 52.0 | 2.2 | 5000 | 6000 | 1.70 | 6312 |
| | 150 | 35 | 10.8 | 69.5 | 2.9 | 4800 | 5600 | 2.75 | 6412 |
| 65 | 85 | 10 | 11.9 | 9.65 | 0.51 | 7000 | 8500 | 0.13 | 61813 |
| | 90 | 13 | 17.4 | 13.4 | 0.63 | 6700 | 8000 | 0.22 | 61913 |
| | 100 | 11 | 21.2 | 16.6 | 0.83 | 6300 | 7500 | 0.30 | 16013 |
| | 100 | 18 | 21.2 | 16.6 | 0.83 | 6300 | 7500 | 0.30 | 6013 |
| | 120 | 23 | 55.9 | 40.5 | 1.73 | 5300 | 6300 | 0.99 | 6213 |
| | 140 | 33 | 92.3 | 60.0 | 2.50 | 4800 | 5600 | 2.10 | 6313 |
| | 160 | 37 | 119.0 | 78.0 | 3.15 | 4500 | 5300 | 3.30 | 6413 |
| 70 | 90 | 10 | 12.1 | 1.0 | 0.54 | 6700 | 8000 | 0.14 | 61814 |
| | 100 | 16 | 23.8 | 18.3 | 0.90 | 6300 | 7500 | 0.35 | 61914 |
| | 110 | 13 | 28.1 | 25.0 | 1.06 | 6000 | 7000 | 0.43 | 16014 |
| | 110 | 20 | 37.7 | 31.0 | 1.32 | 6000 | 7000 | 0.60 | 6014 |
| | 125 | 24 | 60.5 | 45.0 | 1.90 | 5000 | 6000 | 1.05 | 6214 |
| | 150 | 35 | 104.0 | 68.0 | 2.75 | 4500 | 5300 | 2.50 | 6314 |
| | 180 | 42 | 143.0 | 104.0 | 3.90 | 3800 | 4500 | 4.85 | 6414 |