



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

| Bearing No. | Dimensions |     |     | Load ratings(KN) |      | Limiting speeds(r/min) |          | Mounting dimensions(mm) |           |           | Mass(Kg) |
|-------------|------------|-----|-----|------------------|------|------------------------|----------|-------------------------|-----------|-----------|----------|
| 型号          | 尺寸         |     |     | 载荷               |      | 转速                     |          | 安装尺寸                    |           |           | 重量       |
|             | d          | D   | B   | Cr               | Cor  | Grease<br>脂            | Oil<br>油 | da<br>min               | Da<br>max | ra<br>max | ≈        |
| 22308       | 40         | 90  | 33  | 124              | 142  | 4100                   | 5000     | 49                      | 81        | 1.5       | 1.06     |
| 22309       | 45         | 100 | 36  | 146              | 175  | 6300                   | 4500     | 54                      | 91        | 1.5       | 1.42     |
| 22310       | 50         | 110 | 40  | 180              | 216  | 3200                   | 4300     | 60                      | 100       | 2         | 1.89     |
| 22311       | 55         | 120 | 43  | 214              | 258  | 3200                   | 3800     | 65                      | 110       | 2.1       | 2.42     |
| 22312       | 60         | 130 | 46  | 245              | 294  | 2800                   | 3500     | 72                      | 118       | 2.1       | 3        |
| 22313       | 65         | 140 | 48  | 268              | 324  | 2500                   | 3300     | 77                      | 128       | 2.1       | 3.6      |
| 22314       | 70         | 150 | 51  | 301              | 373  | 2000                   | 2700     | 82                      | 138       | 2.1       | 4.4      |
| 22315       | 75         | 160 | 55  | 352              | 451  | 2200                   | 3000     | 87                      | 148       | 2.1       | 5.43     |
| 22316       | 80         | 170 | 58  | 397              | 513  | 2000                   | 2800     | 92                      | 158       | 2.1       | 6.23     |
| 22317       | 85         | 180 | 60  | 433              | 556  | 2000                   | 2500     | 99                      | 166       | 2.5       | 7.5      |
| 22318       | 90         | 190 | 64  | 489              | 641  | 1800                   | 2200     | 104                     | 176       | 2.5       | 8.85     |
| 22319       | 95         | 200 | 67  | 536              | 709  | 1500                   | 2000     | 109                     | 186       | 2.5       | 10.2     |
| 22320       | 100        | 215 | 73  | 626              | 840  | 1500                   | 1900     | 114                     | 201       | 2.5       | 13.4     |
| 22322       | 110        | 240 | 80  | 716              | 963  | 1400                   | 1600     | 124                     | 226       | 2.5       | 18.25    |
| 22324       | 120        | 260 | 86  | 847              | 1154 | 1300                   | 1600     | 134                     | 246       | 2.5       | 22.3     |
| 22326       | 130        | 280 | 93  | 970              | 1340 | 1000                   | 1500     | 148                     | 262       | 3         | 29.06    |
| 22328       | 140        | 300 | 102 | 1140             | 1620 | 900                    | 1300     | 158                     | 282       | 3         | 36.4     |
| 22330       | 150        | 320 | 108 | 1270             | 1850 | 850                    | 1200     | 168                     | 302       | 3         | 42.8     |
| 22332       | 160        | 340 | 114 | 1070             | 1820 | 800                    | 1000     | 178                     | 322       | 3         | 50.2     |
| 22334       | 170        | 360 | 120 | 1180             | 2120 | 800                    | 1000     | 188                     | 342       | 3         | 59.6     |
| 22336       | 180        | 380 | 126 | 1290             | 2330 | 700                    | 950      | 198                     | 362       | 3         | 69.85    |
| 22338       | 190        | 400 | 132 | 1430             | 2600 | 650                    | 850      | 212                     | 378       | 4         | 80.9     |
| 22240       | 200        | 420 | 138 | 1530             | 2800 | 650                    | 800      | 222                     | 398       | 4         | 93.5     |