

# 1300 Series self aligning ball bearing

Self Aligning Ball Bearing

1300 Series self aligning ball bearing



| Bearing Designation | Dimension [mm] |     |    |        | Basic load ratings (kN) |      | Speed ratings(rpm) |      | Weight |
|---------------------|----------------|-----|----|--------|-------------------------|------|--------------------|------|--------|
|                     | d              | D   | B  | rs min | Cr                      | Cor  | Grease             | Oil  | (Kg)   |
| 1322K               | 110            | 240 | 50 | 3      | 164                     | 71.5 | 2200               | 2600 | 11.7   |
| 1322                | 110            | 240 | 50 | 3      | 164                     | 71.5 | 2200               | 2600 | 11.8   |
| 1321                | 105            | 225 | 49 | 3      | 156                     | 64.5 | 2300               | 2700 | 10     |
| 1320K               | 100            | 215 | 47 | 3      | 143                     | 57.5 | 2400               | 2900 | 8.19   |
| 1320                | 100            | 215 | 47 | 3      | 143                     | 57.5 | 2400               | 2900 | 8.3    |
| 1319K               | 95             | 200 | 45 | 3      | 132                     | 51   | 2600               | 3000 | 6.59   |
| 1319                | 95             | 200 | 45 | 3      | 132                     | 51   | 2600               | 3000 | 6.69   |
| 1318K               | 90             | 190 | 43 | 3      | 116                     | 44.5 | 2700               | 3200 | 5.69   |
| 1318                | 90             | 190 | 43 | 3      | 116                     | 44.5 | 2700               | 3200 | 5.78   |
| 1317K               | 85             | 180 | 41 | 3      | 97.5                    | 38   | 2900               | 3400 | 4.89   |
| 1317                | 85             | 180 | 41 | 3      | 97.5                    | 38   | 2900               | 3400 | 4.96   |
| 1316K               | 80             | 170 | 39 | 2.1    | 88.5                    | 33   | 3100               | 3600 | 4.11   |
| 1316                | 80             | 170 | 39 | 2.1    | 88.5                    | 33   | 3100               | 3600 | 4.17   |
| 1315K               | 75             | 160 | 37 | 2.1    | 79.5                    | 30   | 3300               | 3900 | 3.5    |
| 1315                | 75             | 160 | 37 | 2.1    | 79.5                    | 30   | 3300               | 3900 | 3.55   |
| 1314                | 70             | 150 | 35 | 2.1    | 74.5                    | 27.7 | 3500               | 4200 | 2.99   |
| 1313K               | 65             | 140 | 33 | 2.1    | 62                      | 22.9 | 3800               | 4500 | 2.38   |
| 1313                | 65             | 140 | 33 | 2.1    | 62                      | 22.9 | 3800               | 4500 | 2.42   |
| 1312K               | 60             | 130 | 31 | 2.1    | 57                      | 20.8 | 4100               | 4800 | 1.93   |
| 1312                | 60             | 130 | 31 | 2.1    | 57                      | 20.8 | 4100               | 4800 | 1.96   |
| 1311K               | 55             | 120 | 29 | 2      | 51.5                    | 17.9 | 4500               | 5200 | 1.56   |
| 1311                | 55             | 120 | 29 | 2      | 51.5                    | 17.9 | 4500               | 5200 | 1.58   |
| 1310K               | 50             | 110 | 27 | 2      | 43.5                    | 14.1 | 4900               | 5800 | 1.18   |
| 1310                | 50             | 110 | 27 | 2      | 43.5                    | 14.1 | 4900               | 5800 | 1.2    |
| 1309K               | 45             | 100 | 25 | 1.5    | 38                      | 12.7 | 5400               | 6300 | 0.938  |
| 1309                | 45             | 100 | 25 | 1.5    | 38                      | 12.7 | 5400               | 6300 | 0.953  |
| 1308K               | 40             | 90  | 23 | 1.5    | 29.6                    | 9.7  | 6000               | 7000 | 0.698  |
| 1308                | 40             | 90  | 23 | 1.5    | 29.6                    | 9.7  | 6000               | 7000 | 0.709  |
| 1307K               | 35             | 80  | 21 | 1.5    | 25.1                    | 7.85 | 6800               | 8000 | 0.492  |

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|       |    |    |    |     |      |      |       |       |       |
|-------|----|----|----|-----|------|------|-------|-------|-------|
| 1307  | 35 | 80 | 21 | 1.5 | 25.1 | 7.85 | 6800  | 8000  | 0.5   |
| 1306K | 30 | 72 | 19 | 1.1 | 21.3 | 6.3  | 7700  | 9100  | 0.377 |
| 1306  | 30 | 72 | 19 | 1.1 | 21.3 | 6.3  | 7700  | 9100  | 0.383 |
| 1305K | 25 | 62 | 17 | 1.1 | 18   | 5    | 9100  | 11000 | 0.251 |
| 1305  | 25 | 62 | 17 | 1.1 | 18   | 5    | 9100  | 11000 | 0.255 |
| 1304K | 20 | 52 | 15 | 1.1 | 12.4 | 3.35 | 11000 | 13000 | 0.158 |
| 1304  | 20 | 52 | 15 | 1.1 | 12.4 | 3.35 | 11000 | 13000 | 0.16  |
| 1303  | 17 | 47 | 14 | 1   | 12.5 | 3.2  | 12000 | 14000 | 0.128 |
| 1302  | 15 | 42 | 13 | 1   | 9.55 | 2.3  | 13000 | 16000 | 0.092 |
| 1301  | 12 | 37 | 12 | 1   | 9.45 | 2.16 | 16000 | 18000 | 0.066 |
| 1300  | 10 | 35 | 11 | 0.6 | 7.25 | 1.62 | 18000 | 21000 | 0.058 |