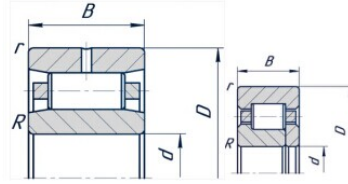


# Single Row Cylindrical Roller Bearing



| Bearing NO. |         | Boundary dimensions(mm) |     |    |          |                                |       |       | Basic load ratings(kN) |     |        | Limiting speed(rpm) |           | Abutment and fillet dimensions(mm) |           |           |           |           |       | Weight (kg) |
|-------------|---------|-------------------------|-----|----|----------|--------------------------------|-------|-------|------------------------|-----|--------|---------------------|-----------|------------------------------------|-----------|-----------|-----------|-----------|-------|-------------|
| New         | Old     | d                       | D   | B  | r 1.2min | r3 <sup>4</sup> <sub>min</sub> | Fw    | Ew    | Cr                     | Cor | Grease | Oil                 | da<br>min | db<br>min                          | Da<br>max | Db<br>max | ra<br>max | rb<br>max | Refer |             |
| N220M       | 2220    | 100                     | 180 | 34 | 2.1      | 2.1                            |       | 160   | 190                    | 260 | 3200   | 3800                | 114       |                                    |           | 166       | 2         | 2         | 3.45  |             |
| NJ220EM     |         | 100                     | 180 | 34 | 2.1      | 2.1                            | 119   |       | 190                    | 260 | 3200   | 3800                |           | 114                                | 169       |           | 2         | 2         | 3.9   |             |
| NF220M      | 12220   | 100                     | 180 | 34 | 2.1      | 2.1                            |       | 160   | 190                    | 260 | 3200   | 3800                | 114       |                                    |           | 166       | 2         | 2         | 3.55  |             |
| NU220M      | 32220   | 100                     | 180 | 34 | 2.1      | 2.1                            | 120   |       | 190                    | 260 | 3200   | 3800                |           | 114                                | 169       |           | 2         | 2         | 5.2   |             |
| NJ220EM     | 42220   | 100                     | 180 | 34 | 2.1      | 2.1                            | 119   |       | 190                    | 260 | 3200   | 3800                |           | 114                                | 169       |           | 2         | 2         | 3.9   |             |
| NU2220M     | 32520   | 100                     | 180 | 46 | 2.1      | 2.1                            | 120   |       | 260                    | 390 | 3200   | 3800                |           | 114                                | 169       |           | 2         | 2         | 5.2   |             |
| NU320EM     | 32320EH | 100                     | 215 | 47 | 3        | 3                              | 127.5 |       | 380                    | 470 | 2400   | 3000                |           | 116                                | 202       |           | 2.5       | 2.5       | 8.35  |             |
| N320EM      | 2320EH  | 100                     | 215 | 47 | 3        | 3                              |       | 191.5 | 380                    | 470 | 2400   | 3000                | 116       |                                    |           | 197       | 2.5       | 2.5       | 9.67  |             |
| N2320M      | 2620    | 100                     | 215 | 73 | 3        | 3                              |       | 185.5 | 440                    | 630 | 2400   | 3000                | 116       |                                    |           | 197       | 2.5       | 2.5       | 13.1  |             |
| NU2320M     | 32620   | 100                     | 215 | 73 | 3        | 3                              | 129.5 |       | 440                    | 630 | 2400   | 3000                |           | 116                                | 197       |           | 2.5       | 2.5       | 13.2  |             |
| NJ2320M     | 42620   | 100                     | 215 | 73 | 3        | 3                              | 129.5 |       | 440                    | 630 | 2400   | 3000                |           | 116                                | 197       |           | 2.5       | 2.5       | 13.5  |             |
| NF1021M     | 12121   | 105                     | 160 | 26 | 2        | 1.1                            | 119.5 | 145.5 | 120                    | 176 | 4000   | 4800                |           | 114                                | 150       |           | 2         | 1         | 1.93  |             |
| N1021M      | 2121    | 105                     | 160 | 26 | 2        | 1.1                            |       | 145.5 | 120                    | 176 | 4000   | 4800                | 117       |                                    |           | 150       | 2         | 1         | 1.82  |             |
| N221M       | 2221    | 105                     | 190 | 36 | 2.1      | 2.1                            |       | 168.8 | 210                    | 290 | 3000   | 3600                | 119       |                                    |           | 175       | 2         | 2         | 4.33  |             |
| NJ221M      | 42221   | 105                     | 190 | 36 | 2.1      | 2.1                            | 126.8 |       | 210                    | 290 | 3000   | 3600                |           | 121                                | 179       |           | 2         | 2         | 4.34  |             |
| N321EM      | 2321EH  | 105                     | 225 | 49 | 3        | 3                              |       | 201   | 420                    | 550 | 2200   | 2800                | 121       |                                    |           | 203       | 2.5       | 2.5       | 10.5  |             |
| NU321EM     | 32321EH | 105                     | 225 | 49 | 3        | 3                              | 133   |       | 420                    | 550 | 2200   | 2800                |           | 121                                | 212       |           | 2.5       | 2.5       | 10.6  |             |
| N421M       | 2421    | 105                     | 260 | 60 | 4        | 4                              |       | 220.5 | 550                    | 700 | 2200   | 2800                | 121       |                                    |           | 224       | 3         | 3         | 17.2  |             |
| N1022M      | 2122    | 110                     | 170 | 28 | 2        | 1.1                            |       | 155   | 148                    | 203 | 3800   | 4500                | 122       |                                    |           | 160       |           |           | 2.31  |             |
| NU1022M     | 32122   | 110                     | 170 | 28 | 2        | 1.1                            | 125   |       | 148                    | 203 | 3800   | 4500                |           | 119                                | 157       |           | 2         | 1         | 2.32  |             |
| NJ1022M     | 42122   | 110                     | 170 | 28 | 2        | 1.1                            | 125   |       | 148                    | 203 | 3800   | 4500                |           | 119                                | 157       |           | 2         | 1         | 2.39  |             |
| N222M       | 2222    | 110                     | 200 | 38 | 2.1      | 2.1                            |       | 178.5 | 255                    | 340 | 2800   | 3400                | 124       |                                    |           | 185       | 2         | 2         | 5.02  |             |
| NU222M      | 32222   | 110                     | 200 | 38 | 2.1      | 2.1                            | 132.5 |       | 255                    | 340 | 2800   | 3400                |           | 124                                | 185       |           | 2         | 2         | 5.05  |             |
| NJ222M      | 42222   | 110                     | 200 | 38 | 2.1      | 2.1                            | 132.5 |       | 255                    | 340 | 2800   | 3400                |           | 124                                | 185       |           | 2         | 2         | 5.1   |             |
| NU2222EC    | 32522   | 110                     | 200 | 53 |          |                                | 132   |       | 380                    | 520 | 2800   | 3400                |           | 124                                | 185       |           | 2         | 2         | 7.73  |             |
| N322EM      | 2322EH  | 110                     | 240 | 50 | 3        | 3                              |       | 211   | 430                    | 540 | 2000   | 2600                | 126       |                                    |           | 227       | 2.5       | 2.5       | 11.4  |             |
| NU322M      | 32322   | 110                     | 240 | 50 | 3        | 3                              | 143   | 207   | 400                    | 525 | 2000   | 2600                |           | 126                                | 222       |           | 2.5       | 2.5       | 11.6  |             |
| NJ322M      | 42322   | 110                     | 240 | 50 | 3        | 3                              | 143   | 207   | 400                    | 525 | 2000   | 2600                |           | 126                                | 222       |           | 2.5       | 2.5       | 11.8  |             |
| NU2322EM    | 32622EH | 110                     | 240 | 80 | 3        | 3                              | 143   |       | 620                    | 800 | 2000   | 2600                |           | 126                                | 222       |           | 2.5       | 2.5       | 18.3  |             |
| N422M       | 2422    | 110                     | 280 | 65 | 4        | 4                              |       | 235   | 580                    | 735 | 2000   | 2600                | 130       |                                    |           | 252       | 3         | 3         | 21.8  |             |