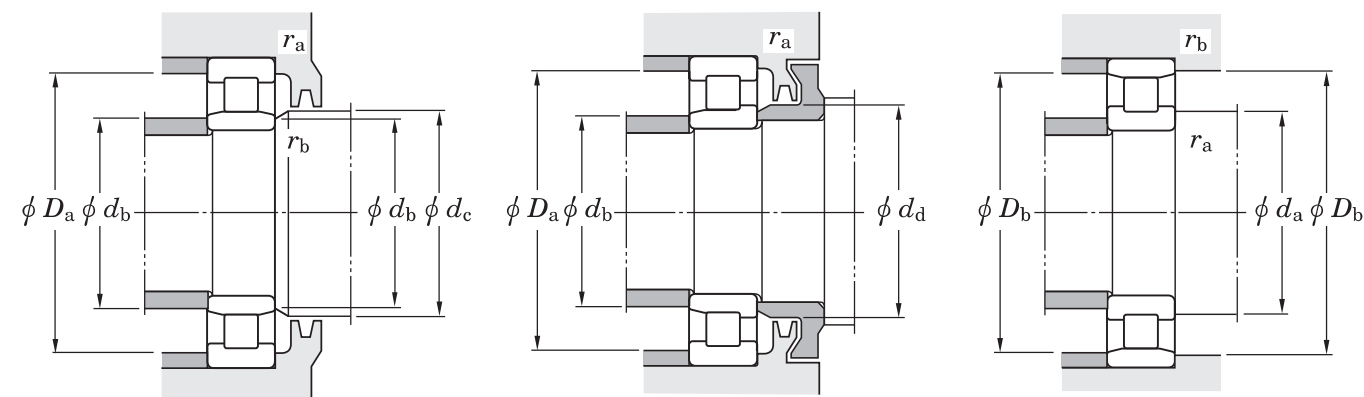
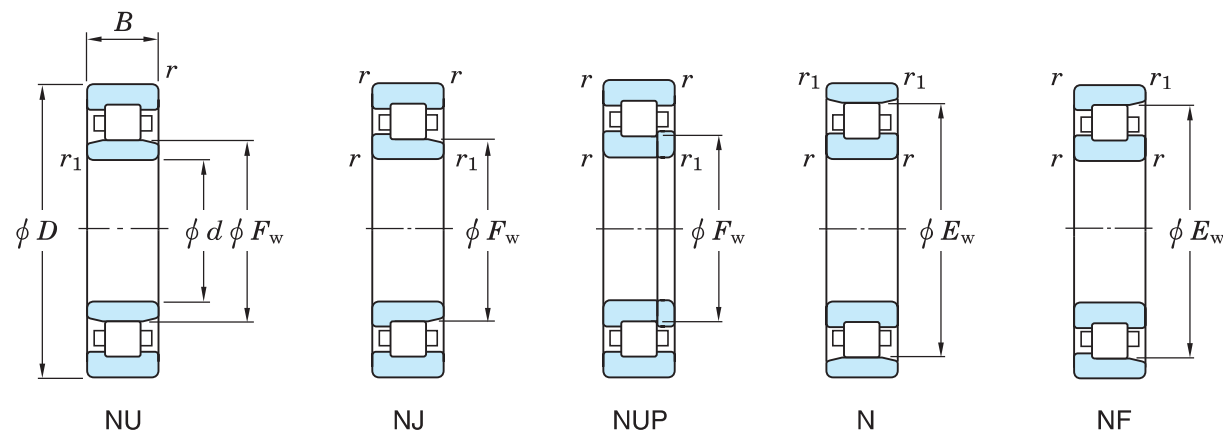


Single-row cylindrical roller bearings

d (65) ~ (75) mm



| Boundary dimensions<br>(mm) |          |          |                  |                               |                       |                       | Basic load ratings<br>(kN) |                        | Fatigue<br>load limit         | Limiting speeds<br>(min <sup>-1</sup> ) |          | Bearing No. |         |          |      |       | Mounting dimensions<br>(mm)   |                               |      |                               |                               |                               |                               |      |                               |                               | (Refer.)<br>Mass  |
|-----------------------------|----------|----------|------------------|-------------------------------|-----------------------|-----------------------|----------------------------|------------------------|-------------------------------|-----------------------------------------|----------|-------------|---------|----------|------|-------|-------------------------------|-------------------------------|------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------|-------------------------------|-------------------------------|-------------------|
| <i>d</i>                    | <i>D</i> | <i>B</i> | <i>r</i><br>min. | <i>r</i> <sub>1</sub><br>min. | <i>F</i> <sub>w</sub> | <i>E</i> <sub>w</sub> | <i>C</i> <sub>r</sub>      | <i>C</i> <sub>0r</sub> | (kN)<br><i>C</i> <sub>u</sub> | Grease<br>lub.                          | Oil lub. | NU          | NJ      | NUP      | N    | NF    | <i>d</i> <sub>a</sub><br>min. | <i>d</i> <sub>b</sub><br>min. | max. | <i>d</i> <sub>c</sub><br>min. | <i>d</i> <sub>d</sub><br>min. | <i>D</i> <sub>a</sub><br>max. | <i>D</i> <sub>b</sub><br>max. | min. | <i>r</i> <sub>a</sub><br>max. | <i>r</i> <sub>b</sub><br>max. | NU<br>(N)<br>(kg) |
| 65                          | 140      | 33       | 2.1              | 2.1                           | 82.5                  | —                     | 226                        | 191                    | 29.8                          | 4 300                                   | 5 700    | NU313R      | NJ313R  | NUP313R  | —    | —     | 76                            | 76                            | 81   | 85                            | 93                            | 129                           | —                             | —    | 2                             | 2                             | 2.31              |
|                             | 140      | 48       | 2.1              | 2.1                           | 83.5                  | —                     | 235                        | 212                    | 32.9                          | 3 900                                   | 5 800    | NU2313      | NJ2313  | NUP2313  | —    | —     | 76                            | 76                            | 81   | 85                            | 93                            | 129                           | —                             | —    | 2                             | 2                             | 3.25              |
|                             | 140      | 48       | 2.1              | 2.1                           | 82.5                  | —                     | 310                        | 287                    | 43.3                          | 3 800                                   | 5 700    | NU2313R     | NJ2313R | NUP2313R | —    | —     | 76                            | 76                            | 81   | 85                            | 93                            | 129                           | —                             | —    | 2                             | 2                             | 3.36              |
|                             | 140      | 58.7     | 2.1              | 2.1                           | 83.5                  | —                     | 302                        | 294                    | 43.9                          | 3 900                                   | 5 800    | NU3313      | —       | —        | —    | —     | 76                            | 76                            | 81   | 85                            | —                             | 129                           | —                             | —    | 2                             | 2                             | 4.53              |
|                             | 160      | 37       | 2.1              | 2.1                           | 89.3                  | 135.3                 | 228                        | 203                    | 28.2                          | 4 000                                   | 5 300    | NU413       | NJ413   | NUP413   | N413 | NF413 | 76                            | 76                            | 88   | 91                            | 100                           | 149                           | 149                           | 137  | 2                             | 2                             | 3.58              |
| 70                          | 110      | 20       | 1.1              | 1                             | 80                    | —                     | 72.9                       | 70.4                   | 10.1                          | 6 100                                   | 7 200    | NU1014      | —       | NUP1014  | —    | —     | 76.5                          | 75                            | 78   | 82                            | —                             | 103.5                         | —                             | —    | 1                             | 1                             | 0.702             |
|                             | 125      | 24       | 1.5              | 1.5                           | —                     | 110.5                 | 104                        | 95.2                   | 13.6                          | 5 100                                   | 6 100    | —           | —       | —        | N214 | NF214 | 78                            | —                             | —    | —                             | 92                            | 117                           | 117                           | 114  | 1.5                           | 1.5                           | (1.15)            |
|                             | 125      | 24       | 1.5              | 1.5                           | 83.5                  | —                     | 148                        | 137                    | 19.0                          | 5 000                                   | 6 000    | NU214R      | NJ214R  | NUP214R  | —    | —     | 78                            | 78                            | 82   | 86                            | 92                            | 117                           | —                             | —    | 1.5                           | 1.5                           | 1.16              |
|                             | 125      | 31       | 1.5              | 1.5                           | 84.5                  | —                     | 149                        | 151                    | 20.8                          | 4 600                                   | 6 100    | NU2214      | NJ2214  | NUP2214  | —    | —     | 78                            | 78                            | 82   | 86                            | 92                            | 117                           | —                             | —    | 1.5                           | 1.5                           | 1.52              |
|                             | 125      | 31       | 1.5              | 1.5                           | 83.5                  | —                     | 194                        | 194                    | 29.8                          | 4 500                                   | 6 000    | NU2214R     | NJ2214R | NUP2214R | —    | —     | 78                            | 78                            | 82   | 86                            | 92                            | 117                           | —                             | —    | 1.5                           | 1.5                           | 1.53              |
|                             | 125      | 39.7     | 1.5              | 1.5                           | 84.5                  | —                     | 185                        | 198                    | 30.0                          | 4 100                                   | 6 100    | NU3214      | —       | —        | —    | —     | 78                            | 78                            | 82   | 86                            | —                             | 117                           | —                             | —    | 1.5                           | 1.5                           | 2.09              |
|                             | 150      | 35       | 2.1              | 2.1                           | —                     | 130                   | 198                        | 168                    | 23.3                          | 4 000                                   | 5 400    | —           | —       | —        | N314 | NF314 | 81                            | —                             | —    | —                             | 100                           | 139                           | 139                           | 134  | 2                             | 2                             | (2.73)            |
|                             | 150      | 35       | 2.1              | 2.1                           | 89                    | —                     | 256                        | 222                    | 33.4                          | 4 000                                   | 5 300    | NU314R      | NJ314R  | NUP314R  | —    | —     | 81                            | 81                            | 87   | 92                            | 100                           | 139                           | —                             | —    | 2                             | 2                             | 2.81              |
|                             | 150      | 51       | 2.1              | 2.1                           | 90                    | —                     | 279                        | 262                    | 39.3                          | 3 600                                   | 5 400    | NU2314      | NJ2314  | NUP2314  | —    | —     | 81                            | 81                            | 87   | 92                            | 100                           | 139                           | —                             | —    | 2                             | 2                             | 3.97              |
|                             | 150      | 51       | 2.1              | 2.1                           | 89                    | —                     | 342                        | 323                    | 47.1                          | 3 600                                   | 5 300    | NU2314R     | NJ2314R | NUP2314R | —    | —     | 81                            | 81                            | 87   | 92                            | 100                           | 139                           | —                             | —    | 2                             | 2                             | 4.08              |
|                             | 150      | 63.5     | 2.1              | 2.1                           | 90                    | —                     | 354                        | 356                    | 51.5                          | 3 600                                   | 5 400    | NU3314      | —       | —        | —    | —     | 81                            | 81                            | 87   | 92                            | —                             | 139                           | —                             | —    | 2                             | 2                             | 5.62              |
|                             | 180      | 42       | 3                | 3                             | 100                   | 152                   | 285                        | 257                    | 35.2                          | 3 500                                   | 4 700    | NU414       | NJ414   | NUP414   | N414 | NF414 | 83                            | 83                            | 99   | 102                           | 112                           | 167                           | 167                           | 153  | 2.5                           | 2.5                           | 5.26              |
| 75                          | 115      | 20       | 1.1              | 1                             | 85                    | —                     | 80.0                       | 78.1                   | 10.2                          | 5 700                                   | 6 800    | NU1015      | —       | NUP1015  | —    | —     | 81.5                          | 80                            | 83   | 87                            | —                             | 108.5                         | —                             | —    | 1                             | 1                             | 0.735             |
|                             | 130      | 25       | 1.5              | 1.5                           | —                     | 116.5                 | 121                        | 118                    | 16.1                          | 4 800                                   | 5 800    | —           | —       | —        | N215 | NF215 | 83                            | —                             | —    | —                             | 96                            | 122                           | 122                           | 120  | 1.5                           | 1.5                           | (1.24)            |
|                             | 130      | 25       | 1.5              | 1.5                           | 88.5                  | —                     | 163                        | 156                    | 21.9                          | 4 800                                   | 5 700    | NU215R      | NJ215R  | NUP215R  | —    | —     | 83                            | 83                            | 87   | 90                            | 96                            | 122                           | —                             | —    | 1.5                           | 1.5                           | 1.29              |
|                             | 130      | 31       | 1.5              | 1.5                           | 88.5                  | —                     | 162                        | 172                    | 22.3                          | 4 300                                   | 5 800    | NU2215      | NJ2215  | NUP2215  | —    | —     | 83                            | 83                            | 87   | 90                            | 96                            | 122                           | —                             | —    | 1.5                           | 1.5                           | 1.57              |
|                             | 130      | 31       | 1.5              | 1.5                           | 88.5                  | —                     | 202                        | 207                    | 31.5                          | 4 300                                   | 5 700    | NU2215R     | NJ2215R | NUP2215R | —    | —     | 83                            | 83                            | 87   | 90                            | 96                            | 122                           | —                             | —    | 1.5                           | 1.5                           | 1.61              |
|                             | 130      | 41.3     | 1.5              | 1.5                           | 88.5                  | —                     | 210                        | 226                    | 34.1                          | 3 900                                   | 5 800    | NU3215      | —       | —        | —    | —     | 83                            | 83                            | 87   | 90                            | —                             | 122                           | —                             | —    | 1.5                           | 1.5                           | 2.28              |
|                             | 160      | 37       | 2.1              | 2.1                           | —                     | 139.5                 | 224                        | 205                    | 28.4                          | 3 800                                   | 5 000    | —           | —       | —        | N315 | NF315 | 86                            | —                             | —    | —                             | 106                           | 149                           | 149                           | 143  | 2                             | 2                             | (3.19)            |
|                             | 160      | 37       | 2.1              | 2.1                           | 95                    | —                     | 300                        | 263                    | 39.9                          | 3 700                                   | 5 000    | NU315R      | NJ315R  | NUP315R  | —    | —     | 86                            | 86                            | 93   | 97                            | 106                           | 149                           | —                             | —    | 2                             | 2                             | 3.37              |
|                             | 160      | 55       | 2.1              | 2.1                           | 95.5                  | —                     | 323                        | 327                    | 43.4                          | 3 400                                   | 5 000    | NU2315      | NJ2315  | NUP2315  | —    | —     | 86                            | 86                            | 93   | 97                            | 106                           | 149                           | —                             | —    | 2                             | 2                             | 4.84              |
|                             | 160      | 55       | 2.1              | 2.1                           | 95                    | —                     | 412                        | 395                    | 57.3                          | 3 300                                   | 5 000    | NU2315R     | NJ2315R | NUP2315R | —    | —     | 86                            | 86                            | 93   | 97                            | 106                           | 149                           | —                             | —    | 2                             | 2                             | 5.00              |

[Remarks] 1) Standard cage types used for the above bearings are shown in Table 1 earlier in this section. Please note that basic load ratings and limiting speeds shown above indicate the value applicable to machined cage. Consult JTEKT about bearings with pressed cage, since they may be different from bearings with machined cage in values above.

2) Bearing numbers of NU and NJ type bearings with mounted thrust collar (refer to specification table shown after this specification table) are NUJ and NH.