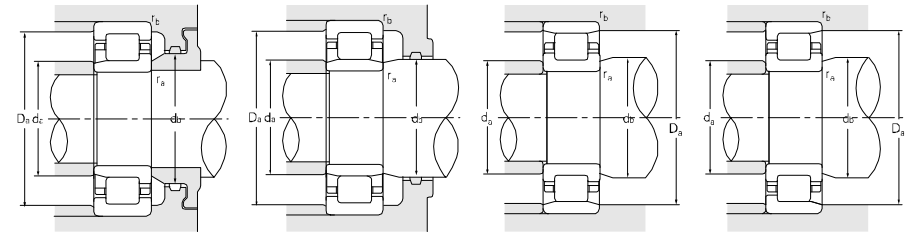
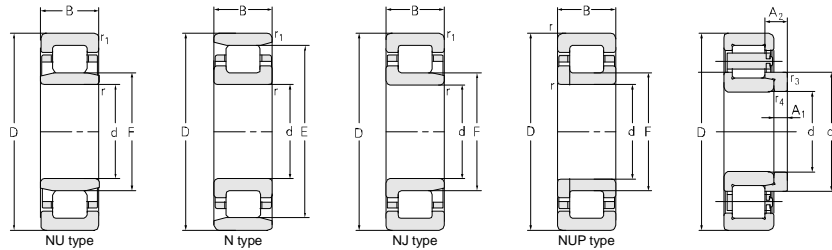


Single-row Cylindrical Roller Bearing

d 160~170 mm



| Principal dimensions |     |      |                    |                   |     | Basic load ratings |                | Limit speed ratings |        | Designations |                |
|----------------------|-----|------|--------------------|-------------------|-----|--------------------|----------------|---------------------|--------|--------------|----------------|
| d                    | D   | B    | r <sub>1smin</sub> | r <sub>smin</sub> | F   | E                  | C <sub>r</sub> | C <sub>Or</sub>     | Grease |              | Oil            |
| mm                   |     |      |                    |                   |     | kN                 |                | r/min               |        |              |                |
| 160                  | 290 | 80   | 3                  | 3                 |     | 261                | 810            | 1190                | 1800   | 2200         | N2232ENM       |
|                      | 290 | 97.5 | 3                  | 3                 | 193 |                    | 1030           | 1130                | 1800   | 2200         | NU2232WBQ1/YB2 |
|                      | 290 | 97.5 | 3                  | 3                 | 193 |                    | 935            | 1130                | 1800   | 2200         | NJ2232WBY      |
|                      | 290 | 110  | 3                  | 3                 | 193 |                    | 935            | 1130                | 1800   | 2200         | NJ2232WB       |
|                      | 320 | 108  | 4                  | 4                 | 198 |                    | 1070           | 1490                | 1500   | 1800         | N632M          |
|                      | 340 | 68   | 4                  | 4                 |     | 292                | 750            | 970                 | 1500   | 1800         | N332M          |
|                      | 340 | 68   | 4                  | 4                 | 208 |                    | 750            | 970                 | 1500   | 1800         | NU332M         |
|                      | 340 | 68   | 4                  | 4                 | 208 |                    | 750            | 970                 | 1500   | 1800         | NU332M/YA8     |
|                      | 340 | 68   | 4                  | 4                 | 208 |                    | 750            | 970                 | 1500   | 1800         | NJ332M         |
|                      | 340 | 68   | 4                  | 4                 | 204 |                    | 858            | 1050                | 1500   | 1800         | NU332EQ1/HA    |
|                      | 340 | 68   | 4                  | 4                 | 204 |                    | 919            | 1150                | 1500   | 1800         | NU332EQ1       |
|                      | 340 | 68   | 4                  | 4                 | 208 |                    | 755            | 970                 | 1500   | 1800         | NU332M-DT      |
|                      | 340 | 68   | 4                  | 4                 | 204 |                    | 870            | 1080                | 1500   | 1800         | FL-NU332EMA/C3 |
|                      | 340 | 114  | 4                  | 4                 |     | 292                | 1120           | 1610                | 1350   | 1700         | N2332M         |
|                      | 340 | 114  | 4                  | 4                 | 204 |                    | 1260           | 1730                | 1350   | 1700         | NU2332EM/C9    |
|                      | 340 | 114  | 4                  | 4                 | 204 |                    | 1120           | 1730                | 1350   | 1700         | NU2332EMA      |
|                      | 340 | 114  | 4                  | 4                 | 204 |                    | 1310           | 1820                | 1350   | 1700         | NU2332E/YA5    |
|                      | 340 | 114  | 4                  | 4                 | 204 |                    | 1120           | 1610                | 1350   | 1700         | NU2332M        |
|                      | 340 | 114  | 4                  | 4                 | 208 |                    | 1120           | 1610                | 1350   | 1700         | NJ2332M        |
|                      | 340 | 114  | 4                  | 4                 | 204 |                    | 1120           | 1610                | 1350   | 1700         | NUP2332M       |
| 170                  | 230 | 28   | 2                  | 1.1               |     | 216                | 193            | 310                 | 2400   | 2900         | N1934M         |
|                      | 260 | 42   | 2.1                | 2.1               |     | 237                | 299            | 400                 | 2200   | 2800         | N1034M         |
|                      | 260 | 42   | 2.1                | 2.1               | 193 |                    | 299            | 440                 | 2200   | 2800         | NU1034M        |
|                      | 260 | 42   | 2.1                | 2.1               | 193 |                    | 299            | 440                 | 2200   | 2800         | NJ1034M        |
|                      | 265 | 42   | 2.1                | 2.1               |     | 237                | 330            | 500                 | 580    | 1100         | N1034X1M       |
|                      | 310 | 52   | 4                  | 4                 |     | 272                | 500            | 780                 | 1800   | 2200         | N234M          |
|                      | 310 | 52   | 4                  | 4                 | 208 |                    | 550            | 780                 | 1800   | 2200         | NU234M         |
|                      | 310 | 52   | 4                  | 4                 | 208 |                    | 550            | 780                 | 1800   | 2200         | NU234M/YA8     |
|                      | 310 | 52   | 4                  | 4                 | 208 |                    | 550            | 780                 | 1800   | 2200         | NU234Q1        |
|                      | 310 | 52   | 4                  | 4                 | 208 |                    | 550            | 780                 | 1800   | 2200         | NJ234M         |
|                      | 310 | 52   | 4                  | 4                 | 207 |                    | 640            | 870                 | 1800   | 2200         | NU234EM        |
|                      | 310 | 52   | 4                  | 4                 | 207 |                    | 640            | 870                 | 1800   | 2200         | NU234EM/P59V2  |
|                      | 310 | 52   | 4                  | 4                 | 207 |                    | 640            | 870                 | 1800   | 2200         | NU234EM-DT     |
|                      | 310 | 52   | 4                  | 4                 | 207 |                    | 640            | 870                 | 1800   | 2200         | FL-NU234EM     |

| Abutment and fillet dimensions |                   |                   |                   |                   |                   | Weight | Model | Weight | Separate thrust collar |    |    |                  |  |  |  |  |  |  |  |  |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|-------|--------|------------------------|----|----|------------------|--|--|--|--|--|--|--|--|
| d <sub>amin</sub>              | d <sub>amax</sub> | d <sub>bmin</sub> | D <sub>amax</sub> | D <sub>amin</sub> | r <sub>amax</sub> |        |       |        | r <sub>bmax</sub>      | A1 | A2 | r <sub>3,4</sub> |  |  |  |  |  |  |  |  |
| mm                             |                   |                   |                   |                   |                   | kg     | kg    | mm     |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 173                            | 198               |                   | 277               |                   | 2.5               | 2.5    |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 173                            | 189               | 196               | 277               |                   | 2.5               | 2.5    |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 173                            | 188               | 208               | 277               |                   | 2.5               | 2.5    |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 173                            | 188               | 208               | 277               |                   | 2.5               | 2.5    |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 188               | 208               | 304               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 288               | 324               | 296               | 296               | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 204               | 211               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 204               | 211               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 204               | 225               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 200               | 207               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 200               | 207               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 204               | 211               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 200               | 207               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 201               | 209               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 201               | 209               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 201               | 209               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 201               | 209               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 201               | 209               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 215               | 194               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 176                            | 201               | 209               | 324               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 180                            |                   | 213               | 222               | 219               | 1.5               | 1      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 181                            | 233               |                   | 249               | 241               | 2                 | 2      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 181                            | 190               | 196               | 249               |                   | 2                 | 2      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 181                            | 190               | 205               | 249               |                   | 2                 | 2      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 234               |                   | 254               | 241               | 2                 | 2      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 266               |                   | 294               | 278               | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |
| 186                            | 203               | 210               | 294               |                   | 3                 | 3      |       |        |                        |    |    |                  |  |  |  |  |  |  |  |  |