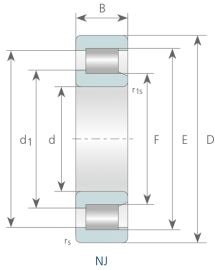


Zylinderrollenlager

Kurz-Zeichen: NJ



| Kurz-Zeichen | Abmessungen [mm] | | | | | | | | | Masse |
|--------------|------------------|-----|----|-------|------|------|------|--------|---------|-------|
| | d | D | B | E | F | D1 | d1 | rs min | r1s min | [kg] |
| NJ202-E | 15 | 35 | 11 | 30.3 | 19.3 | 28,0 | 21,6 | 0,6 | 0,30 | 0,049 |
| NJ203-E | 17 | 40 | 12 | 35.1 | 22.1 | 32,5 | 24,7 | 0,6 | 0,30 | 0,070 |
| NJ303-E | 17 | 47 | 14 | 40.2 | 24.2 | 37,1 | 27,6 | 1,0 | 0,60 | 0,124 |
| NJ2203-E | 17 | 40 | 16 | 35.1 | 22.1 | 32,5 | 24,7 | 0,6 | 0,30 | 0,053 |
| NJ204-E | 20 | 47 | 14 | 41.5 | 26.5 | 38,8 | 29,7 | 1,0 | 0,60 | 0,117 |
| NJ2304-E | 20 | 52 | 21 | 45.5 | 27.5 | 42,4 | 31,3 | 1,1 | 0,60 | 0,219 |
| NJ304-E | 20 | 52 | 15 | 45.5 | 27.5 | 42,4 | 31,3 | 1,1 | 0,60 | 0,156 |
| NJ2204-E | 20 | 47 | 18 | 41.5 | 26.5 | 38,8 | 29,7 | 1,0 | 0,60 | 0,154 |
| NJ2305-E | 25 | 62 | 24 | 54.0 | 34.0 | 50,7 | 38,1 | 1,1 | 1,10 | 0,356 |
| NJ2205-E | 25 | 52 | 18 | 46.5 | 31.5 | 43,8 | 34,7 | 1,0 | 0,60 | 0,170 |
| NJ205-E | 25 | 52 | 15 | 46.5 | 31.5 | 43,8 | 34,7 | 1,0 | 0,60 | 0,140 |
| NJ305-E | 25 | 62 | 17 | 54.0 | 34.0 | 50,7 | 38,1 | 1,1 | 1,10 | 0,250 |
| NJ406-M | 30 | 90 | 23 | 73.0 | 45.0 | 68,4 | 50,3 | 1,5 | 1,50 | 0,859 |
| NJ2206-E | 30 | 62 | 20 | 55.5 | 37.5 | 52,5 | 41,3 | 1,0 | 0,60 | 0,261 |
| NJ2306-E | 30 | 72 | 27 | 62.5 | 40.5 | 59,2 | 45,0 | 1,1 | 1,10 | 0,540 |
| NJ306-E | 30 | 72 | 19 | 62.5 | 40.5 | 59,2 | 45,0 | 1,1 | 1,10 | 0,376 |
| NJ206-E | 30 | 62 | 16 | 55.5 | 37.5 | 52,5 | 41,1 | 1,0 | 0,60 | 0,213 |
| NJ207-E | 35 | 72 | 17 | 64.0 | 44.0 | 61,0 | 48,0 | 1,1 | 0,60 | 0,309 |
| NJ407-M | 35 | 100 | 25 | 83.0 | 53.0 | 78,2 | 58,8 | 1,5 | 1,50 | 1,160 |
| NJ307-E | 35 | 80 | 21 | 70.2 | 46.2 | 66,6 | 51,0 | 1,5 | 1,10 | 0,496 |
| NJ2307-E | 35 | 80 | 31 | 70.2 | 46.2 | 66,6 | 51,0 | 1,5 | 1,10 | 0,736 |
| NJ2207-E | 35 | 72 | 23 | 64.0 | 44.0 | 61,0 | 48,0 | 1,1 | 0,60 | 0,416 |
| NJ308-E | 40 | 90 | 23 | 80.0 | 52.0 | 75,9 | 57,6 | 1,5 | 1,50 | 0,674 |
| NJ408-M | 40 | 110 | 27 | 92.0 | 58.0 | 86,4 | 64,6 | 2,0 | 2,00 | 1,500 |
| NJ2208-E | 40 | 80 | 23 | 71.5 | 49.5 | 68,3 | 54,0 | 1,1 | 1,10 | 0,504 |
| NJ208-E | 40 | 80 | 18 | 71.5 | 49.5 | 68,3 | 54,0 | 1,1 | 1,10 | 0,389 |
| NJ2308-E | 40 | 90 | 33 | 80.0 | 52.0 | 75,9 | 0,0 | 1,5 | 1,50 | 0,978 |
| NJ2309-E | 45 | 100 | 36 | 88.5 | 58.5 | 84,1 | 64,4 | 1,5 | 1,50 | 1,330 |
| NJ209-E | 45 | 85 | 19 | 76.5 | 54.5 | 73,3 | 59,0 | 1,1 | 1,10 | 0,445 |
| NJ409-M | 45 | 120 | 29 | 100.5 | 64.5 | 94,6 | 71,6 | 2,0 | 2,00 | 1,840 |
| NJ2209-E | 45 | 85 | 23 | 76.5 | 54.5 | 73,3 | 59,0 | 1,1 | 1,10 | 0,544 |
| NJ309-E | 45 | 100 | 25 | 88.5 | 58.5 | 84,1 | 64,4 | 1,5 | 1,50 | 0,913 |
| NJ2310-E | 50 | 110 | 40 | 97.0 | 65.0 | 92,5 | 71,3 | 2,0 | 2,00 | 1,770 |
| NJ2210-E | 50 | 90 | 23 | 81.5 | 59.5 | 78,3 | 64,0 | 1,1 | 1,10 | 0,586 |

Zylinderrollenlager

| Kurz-Zeichen | Abmessungen [mm] | | | | | | | | | Masse |
|--------------|------------------|-----|----|-------|-------|-------|-------|--------|---------|--------|
| | d | D | B | E | F | D1 | d1 | rs min | r1s min | [kg] |
| NJ310-E | 50 | 110 | 27 | 97.0 | 65.0 | 92,5 | 71,3 | 2,0 | 2,00 | 1,190 |
| NJ210-E | 50 | 90 | 20 | 81.5 | 59.5 | 78,3 | 64,0 | 1,1 | 1,10 | 0,503 |
| NJ410-M | 50 | 130 | 31 | 110.8 | 70.8 | 104,3 | 78,6 | 2,1 | 2,10 | 2,360 |
| NJ311-E | 55 | 120 | 29 | 106.5 | 70.5 | 101,4 | 77,5 | 2,0 | 2,00 | 1,510 |
| NJ211-E | 55 | 100 | 21 | 90.0 | 66.0 | 86,6 | 70,8 | 1,5 | 1,10 | 0,679 |
| NJ411-M | 55 | 140 | 33 | 117.2 | 77.2 | 110,7 | 0,0 | 2,1 | 2,10 | 2,880 |
| NJ2211-E | 55 | 100 | 25 | 90.0 | 66.0 | 86,6 | 70,8 | 1,5 | 1,10 | 0,812 |
| NJ2311-E | 55 | 120 | 43 | 106.5 | 70.5 | 101,4 | 77,5 | 2,0 | 2,00 | 2,270 |
| NJ2312-E | 60 | 130 | 46 | 115.0 | 77.0 | 109,6 | 84,4 | 2,1 | 2,10 | 2,830 |
| NJ312-E | 60 | 130 | 31 | 115.0 | 77.0 | 109,6 | 84,4 | 2,1 | 2,10 | 1,890 |
| NJ412-M | 60 | 150 | 35 | 127.0 | 83.0 | 119,5 | 91,6 | 2,1 | 2,10 | 3,420 |
| NJ2212-E | 60 | 110 | 28 | 100.0 | 72.0 | 96,1 | 77,6 | 1,5 | 1,50 | 1,100 |
| NJ212-E | 60 | 110 | 22 | 100.0 | 72.0 | 96,1 | 77,6 | 1,5 | 1,50 | 0,845 |
| NJ2313-E | 65 | 140 | 48 | 124.5 | 82.5 | 118,6 | 90,5 | 2,1 | 2,10 | 3,380 |
| NJ2213-E | 65 | 120 | 31 | 108.5 | 78.5 | 104,3 | 84,4 | 1,5 | 1,50 | 1,460 |
| NJ413-M | 65 | 160 | 37 | 135.3 | 89.3 | 127,7 | 98,3 | 2,1 | 2,10 | 4,150 |
| NJ313-E | 65 | 140 | 33 | 124.5 | 82.5 | 118,6 | 90,5 | 2,1 | 2,10 | 2,320 |
| NJ213-E | 65 | 120 | 23 | 108.5 | 78.5 | 104,3 | 84,4 | 1,5 | 1,50 | 1,060 |
| NJ314-E | 70 | 150 | 35 | 133.0 | 89.0 | 126,8 | 97,4 | 2,1 | 2,10 | 2,840 |
| NJ2214-E | 70 | 125 | 31 | 113.5 | 83.5 | 109,4 | 89,4 | 1,5 | 1,50 | 1,540 |
| NJ214-E | 70 | 125 | 24 | 113.5 | 83.5 | 109,4 | 89,4 | 1,5 | 1,50 | 1,180 |
| NJ2314-E | 70 | 150 | 51 | 133.0 | 89.0 | 126,8 | 97,4 | 2,1 | 2,10 | 4,100 |
| NJ414-M | 70 | 180 | 42 | 152.0 | 100.0 | 142,7 | 110,3 | 3,0 | 3,00 | 6,070 |
| NJ2215-E | 75 | 130 | 31 | 118.5 | 88.5 | 114,4 | 94,4 | 1,5 | 1,50 | 1,640 |
| NJ2315-E | 75 | 160 | 55 | 143.0 | 95.0 | 136,2 | 104,1 | 2,1 | 0,21 | 5,040 |
| NJ415-M | 75 | 190 | 45 | 160.5 | 104.5 | 150,7 | 115,8 | 3,0 | 3,00 | 7,210 |
| NJ215-E | 75 | 130 | 25 | 118.5 | 88.5 | 114,4 | 94,4 | 1,5 | 1,50 | 1,300 |
| NJ315-E | 75 | 160 | 37 | 143.0 | 95.0 | 136,2 | 104,1 | 2,1 | 0,21 | 3,390 |
| NJ416-M | 80 | 200 | 48 | 170.0 | 110.0 | 159,7 | 121,8 | 3,0 | 3,00 | 8,520 |
| NJ216-E | 80 | 140 | 26 | 127.3 | 95.3 | 122,9 | 101,5 | 2,0 | 2,00 | 1,580 |
| NJ316-E | 80 | 170 | 39 | 151.0 | 101.0 | 143,9 | 110,4 | 2,1 | 2,10 | 4,030 |
| NJ2216-E | 80 | 140 | 33 | 127.3 | 95.3 | 122,9 | 101,5 | 2,0 | 2,00 | 2,040 |
| NJ2316-E | 80 | 170 | 58 | 151.0 | 101.0 | 143,9 | 110,4 | 2,1 | 2,10 | 6,000 |
| NJ317-E | 85 | 180 | 41 | 160.0 | 108.0 | 152,7 | 117,8 | 3,0 | 3,00 | 4,710 |
| NJ217-E | 85 | 150 | 28 | 136.5 | 100.5 | 131,5 | 107,5 | 2,0 | 2,00 | 1,950 |
| NJ2217-E | 85 | 150 | 36 | 136.5 | 100.5 | 131,5 | 107,5 | 2,0 | 2,00 | 2,550 |
| NJ417-M | 85 | 210 | 52 | 177.0 | 113.0 | 165,7 | 125,8 | 4,0 | 4,00 | 10,000 |
| NJ2317-E | 85 | 180 | 60 | 160.0 | 108.0 | 152,7 | 117,8 | 3,0 | 3,00 | 6,850 |
| NJ418-M | 90 | 225 | 54 | 191.5 | 123.5 | 179,7 | 136,8 | 4,0 | 4,00 | 11,800 |
| NJ2218-E | 90 | 160 | 40 | 145.0 | 107.0 | 139,7 | 114,3 | 2,0 | 2,00 | 3,230 |
| NJ218-E | 90 | 160 | 30 | 145.0 | 107.0 | 139,7 | 114,3 | 2,0 | 2,00 | 2,410 |
| NJ2318-E | 90 | 190 | 64 | 169.5 | 113.5 | 161,6 | 124,0 | 3,0 | 3,00 | 8,190 |
| NJ318-E | 90 | 190 | 43 | 169.5 | 113.5 | 161,6 | 124,0 | 3,0 | 3,00 | 5,490 |

Zylinderrollenlager

| Kurz-Zeichen | Abmessungen [mm] | | | | | | | | | Masse |
|--------------|------------------|-----|-----|-------|-------|-------|-------|--------|---------|--------|
| | d | D | B | E | F | D1 | d1 | rs min | r1s min | [kg] |
| NJ419-M | 95 | 240 | 55 | 201.5 | 133.5 | 189,7 | 146,8 | 4,0 | 4,00 | 14,100 |
| NJ319-E | 95 | 200 | 45 | 177.5 | 121.5 | 169,6 | 132,0 | 3,0 | 3,00 | 6,440 |
| NJ219-E | 95 | 170 | 32 | 154.5 | 112.5 | 148,6 | 120,5 | 2,1 | 2,10 | 2,940 |
| NJ2319-E | 95 | 200 | 67 | 177.5 | 121.5 | 169,6 | 132,0 | 3,0 | 3,00 | 9,580 |
| NJ2219-E | 95 | 170 | 43 | 154.5 | 112.5 | 148,6 | 120,5 | 2,1 | 2,10 | 3,980 |
| NJ220-E | 100 | 180 | 34 | 163.0 | 119.0 | 156,9 | 127,3 | 2,1 | 2,10 | 3,550 |
| NJ320-E | 100 | 215 | 47 | 191.5 | 127.5 | 182,0 | 139,4 | 3,0 | 3,00 | 7,820 |
| NJ420-M | 100 | 250 | 58 | 211.0 | 139.0 | 198,2 | 152,8 | 4,0 | 4,00 | 16,100 |
| NJ2220-E | 100 | 180 | 46 | 163.0 | 119.0 | 156,9 | 127,3 | 2,1 | 2,10 | 4,850 |
| NJ2320-E | 100 | 215 | 73 | 191.5 | 127.5 | 182,0 | 139,4 | 3,0 | 3,00 | 12,300 |
| NJ421-M | 105 | 260 | 60 | 220.5 | 144.5 | 207,4 | 158,8 | 4,0 | 4,00 | 18,000 |
| NJ221-E | 105 | 190 | 36 | 171.5 | 125.5 | 165,1 | 134,5 | 2,1 | 2,10 | 4,170 |
| NJ222-E | 110 | 200 | 38 | 180.5 | 132.5 | 173,8 | 141,6 | 2,1 | 2,10 | 4,930 |
| NJ422-M | 110 | 280 | 65 | 235.0 | 155.0 | 220,9 | 170,3 | 4,0 | 4,00 | 22,800 |
| NJ2222-E | 110 | 200 | 53 | 180.5 | 132.5 | 173,8 | 141,6 | 2,1 | 2,10 | 6,890 |
| NJ2322-E | 110 | 240 | 80 | 211.0 | 143.0 | 200,9 | 155,6 | 3,0 | 3,00 | 16,900 |
| NJ322-E | 110 | 240 | 50 | 211.0 | 143.0 | 200,9 | 155,6 | 3,0 | 3,00 | 10,300 |
| NJ324-E | 120 | 260 | 55 | 230.0 | 154.0 | 218,7 | 168,1 | 3,0 | 3,00 | 13,500 |
| NJ2324-E-M | 120 | 260 | 86 | 230.0 | 154.0 | 218,7 | 168,1 | 3,0 | 3,00 | 23,500 |
| NJ2224-E | 120 | 215 | 58 | 195.5 | 143.5 | 187,8 | 153,2 | 2,1 | 2,10 | 8,540 |
| NJ224-E | 120 | 215 | 40 | 195.5 | 143.5 | 187,8 | 153,2 | 2,1 | 2,10 | 5,910 |
| NJ2226-E | 130 | 230 | 64 | 209.5 | 153.5 | 201,2 | 164,0 | 3,0 | 3,00 | 10,600 |
| NJ326-E | 130 | 280 | 58 | 247.0 | 167.0 | 235,2 | 181,7 | 4,0 | 4,00 | 16,500 |
| NJ2326-E-M | 130 | 280 | 93 | 247.0 | 167.0 | 235,2 | 181,7 | 4,0 | 4,00 | 29,200 |
| NJ424-M | 130 | 310 | 72 | 260.0 | 170.0 | 243,9 | 187,3 | 5,0 | 5,00 | 31,300 |
| NJ226-E | 130 | 230 | 40 | 209.5 | 153.5 | 201,2 | 164,0 | 3,0 | 3,00 | 6,630 |
| NJ2228-E-M | 140 | 250 | 68 | 225.0 | 169.0 | 216,7 | 179,4 | 3,0 | 3,00 | 14,700 |
| NJ328-E | 140 | 300 | 62 | 264.0 | 180.0 | 251,7 | 195,4 | 4,0 | 4,00 | 20,500 |
| NJ228-E-M | 140 | 250 | 42 | 225.0 | 169.0 | 216,7 | 179,4 | 3,0 | 3,00 | 9,460 |
| NJ2328-E-M | 140 | 300 | 102 | 264.0 | 180.0 | 251,7 | 195,4 | 4,0 | 4,00 | 36,600 |
| NJ2330-E-M | 150 | 320 | 108 | 283.0 | 193.0 | 269,8 | 209,5 | 4,0 | 4,00 | 43,800 |
| NJ2230-E-M | 150 | 270 | 73 | 242.0 | 182.0 | 233,2 | 193,1 | 3,0 | 3,00 | 18,700 |
| NJ330-E | 150 | 320 | 65 | 283.0 | 193.0 | 269,8 | 209,5 | 4,0 | 4,00 | 27,200 |
| NJ230-E-M | 150 | 270 | 45 | 242.0 | 182.0 | 233,2 | 193,1 | 3,0 | 3,00 | 11,900 |
| NJ332-E | 160 | 340 | 68 | 300.0 | 204.0 | 286,0 | 221,6 | 4,0 | 4,00 | 32,300 |
| NJ2332-E-M | 160 | 340 | 114 | 300.0 | 204.0 | 286,0 | 221,6 | 4,0 | 4,00 | 52,300 |
| NJ2232-E-M | 160 | 290 | 80 | 261.0 | 193.0 | 251,1 | 205,5 | 3,0 | 3,00 | 23,900 |
| NJ232-E-M | 160 | 290 | 48 | 259.0 | 195.0 | 249,6 | 206,8 | 3,0 | 3,00 | 14,800 |
| NJ334-E | 170 | 360 | 72 | 318.0 | 218.0 | 301,6 | 237,0 | 4,0 | 4,00 | 38,600 |
| NJ234-E-M | 170 | 310 | 52 | 279.0 | 207.0 | 268,5 | 218,4 | 4,0 | 4,00 | 18,400 |
| NJ2334-E-M | 170 | 360 | 120 | 320.0 | 216.0 | 303,0 | 62,3 | 4,0 | 4,00 | 62,300 |
| NJ2234-E-M | 170 | 310 | 86 | 281.0 | 205.0 | 269,9 | 219,0 | 4,0 | 4,00 | 29,800 |
| NJ236-E-M | 180 | 320 | 52 | 289.0 | 217.0 | 278,6 | 230,2 | 4,0 | 4,00 | 19,200 |

Zylinderrollenlager

| Kurz-Zeichen | Abmessungen [mm] | | | | | | | | | Masse |
|--------------|------------------|-----|-----|-------|-------|-------|-------|--------|---------|---------|
| | d | D | B | E | F | D1 | d1 | rs min | r1s min | [kg] |
| NJ2336-E-M | 180 | 380 | 126 | 339.0 | 227.0 | 320,8 | 248,0 | 4,0 | 4,00 | 72,900 |
| NJ2236-E-M | 180 | 320 | 86 | 291.0 | 215.0 | 280,0 | 229,0 | 4,0 | 4,00 | 30,900 |
| NJ336-E | 180 | 380 | 75 | 335.0 | 231.0 | 319,8 | 250,5 | 4,0 | 4,00 | 44,600 |
| NJ2338-E-M | 190 | 400 | 132 | 360.0 | 240.0 | 340,5 | 262,5 | 5,0 | 5,00 | 84,400 |
| NJ2238-E-M | 190 | 340 | 92 | 308.0 | 228.0 | 296,4 | 242,7 | 4,0 | 4,00 | 37,700 |
| NJ238-E-M | 190 | 340 | 55 | 306.0 | 230.0 | 295,0 | 244,0 | 4,0 | 4,00 | 23,200 |
| NJ2340-E-M | 200 | 420 | 138 | 377.0 | 253.0 | 356,9 | 276,1 | 5,0 | 5,00 | 97,200 |
| NJ240-E-M | 200 | 360 | 58 | 323.0 | 243.0 | 311,5 | 257,6 | 4,0 | 4,00 | 27,500 |
| NJ340-E-M | 200 | 420 | 80 | 370.0 | 258.0 | 351,8 | 279,0 | 5,0 | 5,00 | 58,100 |
| NJ2240-E-M | 200 | 360 | 98 | 325.0 | 241.0 | 312,9 | 256,3 | 4,0 | 4,00 | 45,300 |
| NJ244-E-M | 220 | 400 | 65 | 358.0 | 268.0 | 344,9 | 285,2 | 4,0 | 4,00 | 38,700 |
| NJ248-E-M | 240 | 440 | 72 | 393.0 | 293.0 | 376,6 | 312,0 | 4,0 | 4,00 | 52,500 |
| NJ348-E-M | 240 | 500 | 95 | 442.0 | 306.0 | 421,2 | 331,3 | 5,0 | 5,00 | 97,000 |
| NJ252-E-M | 260 | 480 | 80 | 429.0 | 317.0 | 410,8 | 336,9 | 5,0 | 5,00 | 69,400 |
| NJ356-E-M | 280 | 580 | 108 | 512.0 | 362.0 | 488,0 | 389,8 | 6,0 | 6,00 | 149,000 |