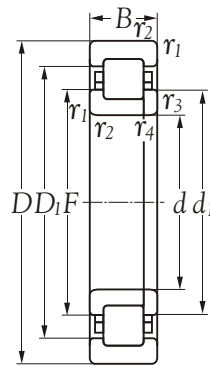


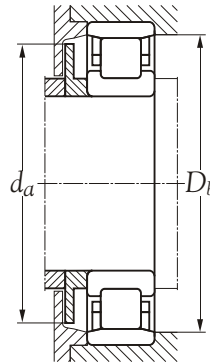


Technical Information



| Inner bore d mm | Bearing number | Principal dimensions | | Basic load ratings | | Max runout speed | | Mass kg |
|-------------------------|----------------|----------------------|-----------|---------------------|----------------------|------------------|--------------|------------|
| | | D mm | B mm | dynamic C N | static C_0 N | grease r/min | oil r/min | |
| 17 | NUP 2203 EC | 40 | 16 | 19000 | 17200 | 11200 | 13300 | 0.097 |
| 25 | NUP 2205 EC | 52 | 18 | 27200 | 27200 | 7700 | 9800 | 0.170 |
| 30 | NUP 2206 EC | 62 | 20 | 38700 | 39200 | 6600 | 8400 | 0.270 |
| 35 | NUP 2207 EC | 72 | 23 | 47500 | 50400 | 5900 | 7000 | 0.420 |
| 40 | NUP 2208 EC | 80 | 23 | 56300 | 60000 | 5200 | 6300 | 0.510 |
| 45 | NUP 2209 EC | 85 | 23 | 58900 | 65200 | 4600 | 5600 | 0.550 |
| 50 | NUP 2210 EC | 90 | 23 | 6400 | 70400 | 4400 | 5200 | 0.590 |
| 55 | NUP 2211 EC | 100 | 25 | 79200 | 94400 | 4200 | 49000 | 0.820 |
| 60 | NUP 2212 EC | 110 | 28 | 102400 | 122400 | 3700 | 4400 | 1.500 |
| 65 | NUP 2213 EC | 120 | 31 | 117600 | 144000 | 3300 | 3900 | 1.500 |
| 70 | NUP 2214 EC | 125 | 31 | 123200 | 154400 | 3100 | 3700 | 1.550 |
| 75 | NUP 2215 EC | 130 | 31 | 128800 | 166400 | 3100 | 3700 | 1.650 |
| 80 | NUP 2216 EC | 140 | 33 | 149600 | 196000 | 2800 | 3300 | 2.050 |
| 85 | NUP 2217 EC | 150 | 36 | 172800 | 224000 | 2600 | 3100 | 2.550 |
| 90 | NUP 2218 EC | 160 | 40 | 193600 | 252000 | 2500 | 3000 | 3.300 |
| 95 | NUP 2219 EC | 170 | 43 | 228800 | 300000 | 2300 | 2800 | 4.000 |
| 100 | NUP 2220 EC | 180 | 46 | 268800 | 360000 | 2200 | 2600 | 4.900 |
| 110 | NUP 2222 EC | 200 | 53 | 304000 | 416000 | 1900 | 2300 | 7.000 |
| 120 | NUP 2224 EC | 215 | 58 | 365600 | 504000 | 1600 | 2100 | 8.650 |
| 130 | NUP 2226 EC | 230 | 64 | 422400 | 588000 | 1500 | 1900 | 11.000 |
| 140 | NUP 2228 EC | 250 | 68 | 457600 | 664000 | 1400 | 1800 | 14.000 |





| Inner bore d mm | Bearing number | Dimensions (mm) | | | | | Abutment and fillet Dimensions (mm) | | | | |
|-------------------------|----------------|-----------------|-------|-------|-------------------------|-------------------------|--|---------------------|---------------------|---------------------|---------------------|
| | | d_1 | D_1 | F | $r_{1,2}$ <i>min</i> | $r_{3,4}$ <i>min</i> | d_a <i>min</i> | d_b <i>max</i> | D_a <i>max</i> | r_a <i>max</i> | r_b <i>max</i> |
| 17 | NUP 2203 EC | 25.0 | 32.4 | 22.1 | 0.6 | 0.3 | 19.0 | 27 | 36.0 | 0.6 | 0.3 |
| 25 | NUP 2205 EC | 34.7 | 43.8 | 31.5 | 1.0 | 0.6 | 29.0 | 36 | 47.0 | 1.0 | 0.6 |
| 30 | NUP 2206 EC | 41.2 | 52.5 | 37.5 | 1.0 | 0.6 | 34.0 | 43 | 57.0 | 1.0 | 0.6 |
| 35 | NUP 2207 EC | 48.1 | 60.7 | 44.0 | 1.1 | 0.6 | 39.0 | 50 | 65.5 | 1.0 | 0.6 |
| 40 | NUP 2208 EC | 54.0 | 67.9 | 49.5 | 1.1 | 1.1 | 46.5 | 56 | 73.5 | 1.0 | 1.0 |
| 45 | NUP 2209 EC | 59.0 | 73.0 | 54.5 | 1.1 | 1.1 | 51.5 | 61 | 78.5 | 1.0 | 1.0 |
| 50 | NUP 2210 EC | 64.0 | 78.0 | 59.5 | 1.1 | 1.1 | 56.5 | 66 | 83.5 | 1.0 | 1.0 |
| 55 | NUP 2211 EC | 70.8 | 86.3 | 66.0 | 1.5 | 1.1 | 61.5 | 73 | 92.0 | 1.5 | 1.0 |
| 60 | NUP 2212 EC | 77.5 | 95.7 | 72.0 | 1.5 | 1.5 | 68.0 | 80 | 102.0 | 1.5 | 1.5 |
| 65 | NUP 2213 EC | 84.4 | 104.0 | 78.5 | 1.5 | 1.5 | 73.0 | 87 | 112.0 | 1.5 | 1.5 |
| 70 | NUP 2214 EC | 89.4 | 109.0 | 83.5 | 1.5 | 1.5 | 78.0 | 92 | 117.0 | 1.5 | 1.5 |
| 75 | NUP 2215 EC | 94.3 | 114.0 | 88.5 | 1.5 | 1.5 | 83.0 | 97 | 122.0 | 1.5 | 1.5 |
| 80 | NUP 2216 EC | 101.0 | 123.0 | 95.3 | 2.0 | 2.0 | 89.0 | 104 | 131.0 | 2.0 | 2.0 |
| 85 | NUP 2217 EC | 107.0 | 131.0 | 100.5 | 2.0 | 2.0 | 94.0 | 110 | 141.0 | 2.0 | 2.0 |
| 90 | NUP 2218 EC | 114.0 | 140.0 | 107.0 | 2.0 | 2.0 | 99.0 | 117 | 151.0 | 2.0 | 2.0 |
| 95 | NUP 2219 EC | 120.0 | 149.0 | 112.5 | 2.1 | 2.1 | 106.0 | 123 | 159.0 | 2.0 | 2.0 |
| 100 | NUP 2220 EC | 127.0 | 157.0 | 119.0 | 2.1 | 2.1 | 111.0 | 130 | 169.0 | 2.0 | 1.0 |
| 110 | NUP 2222 EC | 141.0 | 174.0 | 132.5 | 2.1 | 2.1 | 121.0 | 145 | 189.0 | 2.0 | 2.0 |
| 120 | NUP 2224 EC | 153.0 | 188.0 | 143.5 | 2.1 | 2.1 | 131 | 156 | 204.0 | 2.0 | 2.0 |
| 130 | NUP 2226 EC | 164.0 | 202.0 | 153.5 | 3.0 | 3.0 | 143 | 167 | 217.0 | 2.5 | 2.5 |
| 140 | NUP 2228 EC | 179.0 | 217.0 | 169.0 | 3.0 | 3.0 | 153 | 183 | 237.0 | 2.5 | 2.5 |