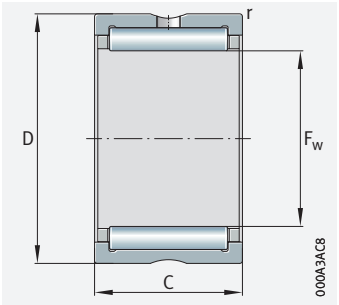
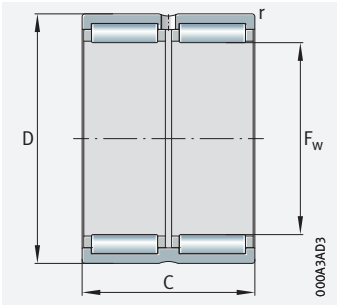
# Needle roller bearings with ribs

## Without inner ring
## Open




*NK, NKS, RNA48, RNA49*




*RNA69..-ZW*

## $F_w$ = 68 – 240 mm

| Main dimensions | | | Basic load ratings | | Fatigue limit load | Limiting speed | Speed rating | Mass | Designation | Dimensions |
|---|---|---|---|---|---|---|---|---|---|---|
| $F_w$ | D | C | dyn. $C_r$ | stat. $C_{0r}$ | $C_{ur}$ | $n_G$ | $n_{\vartheta r}$ | m | ➤*936*\|*1.12* ➤*937*\|*1.13* X-life ➤*930* | r |
| | | | N | N | N | $min^{-1}$ | $min^{-1}$ | ≈ g | | min. |
| **68** | 82 | 25 | 49 500 | 89 000 | 15 500 | 6 800 | 4 500 | 241 | **NK68/25-XL** | 0,6 |
| | 82 | 35 | 70 000 | 139 000 | 26 000 | 6 800 | 4 350 | 338 | **NK68/35-XL** | 0,6 |
| | 85 | 25 | 68 000 | 108 000 | 19 100 | 6 700 | 3 850 | 275 | **RNA4912-XL** | 1 |
| | 85 | 45 | 106 000 | 191 000 | 33 000 | 6 700 | 3 850 | 488 | **RNA6912-ZW-XL** | 1 |
| **70** | 85 | 25 | 50 000 | 92 000 | 16 000 | 6 600 | 4 450 | 260 | **NK70/25-XL** | 0,6 |
| | 85 | 35 | 71 000 | 144 000 | 27 000 | 6 600 | 4 300 | 370 | **NK70/35-XL** | 0,6 |
| | 90 | 28 | 77 000 | 113 000 | 20 400 | 6 400 | 4 200 | 380 | **NKS70-XL** | 1,1 |
| **72** | 90 | 25 | 69 000 | 112 000 | 19 900 | 6 300 | 3 650 | 312 | **RNA4913-XL** | 1 |
| | 90 | 45 | 108 000 | 198 000 | 34 500 | 6 300 | 3 650 | 580 | **RNA6913-ZW-XL** | 1 |
| **73** | 90 | 25 | 60 000 | 100 000 | 17 900 | 6 300 | 4 150 | 302 | **NK73/25-XL** | 1 |
| | 90 | 35 | 85 000 | 156 000 | 27 500 | 6 300 | 4 050 | 428 | **NK73/35-XL** | 1 |
| **75** | 92 | 25 | 61 000 | 104 000 | 18 500 | 6 100 | 4 050 | 315 | **NK75/25-XL** | 1 |
| | 92 | 35 | 87 000 | 162 000 | 28 500 | 6 100 | 3 950 | 445 | **NK75/35-XL** | 1 |
| | 95 | 28 | 81 000 | 123 000 | 22 200 | 6 000 | 3 950 | 402 | **NKS75-XL** | 1,1 |
| **80** | 95 | 25 | 63 000 | 119 000 | 20 000 | 5 800 | 3 750 | 301 | **NK80/25-XL** | 1 |
| | 95 | 35 | 89 000 | 184 000 | 33 000 | 5 800 | 3 650 | 425 | **NK80/35-XL** | 1 |
| | 100 | 30 | 95 000 | 156 000 | 28 000 | 5 700 | 3 400 | 460 | **RNA4914-XL** | 1 |
| | 100 | 54 | 145 000 | 265 000 | 48 000 | 5 700 | 3 450 | 857 | **RNA6914-ZW-XL** | 1 |
| **85** | 105 | 25 | 78 000 | 123 000 | 22 100 | 5 400 | 3 550 | 425 | **NK85/25-XL** | 1 |
| | 105 | 35 | 111 000 | 193 000 | 35 000 | 5 400 | 3 450 | 600 | **NK85/35-XL** | 1 |
| | 105 | 30 | 97 000 | 162 000 | 29 000 | 5 400 | 3 200 | 489 | **RNA4915-XL** | 1 |
| | 105 | 54 | 147 000 | 275 000 | 50 000 | 5 400 | 3 250 | 935 | **RNA6915-ZW-XL** | 1 |
| **90** | 110 | 25 | 81 000 | 132 000 | 23 700 | 5 100 | 3 400 | 450 | **NK90/25-XL** | 1 |
| | 110 | 35 | 116 000 | 208 000 | 38 000 | 5 100 | 3 250 | 630 | **NK90/35-XL** | 1 |
| | 110 | 30 | 101 000 | 174 000 | 31 000 | 5 100 | 3 000 | 516 | **RNA4916-XL** | 1 |
| | 110 | 54 | 153 000 | 300 000 | 54 000 | 5 100 | 3 050 | 987 | **RNA6916-ZW-XL** | 1 |
| **95** | 115 | 26 | 83 000 | 137 000 | 24 500 | 4 850 | 3 300 | 490 | **NK95/26-XL** | 1 |
| | 115 | 36 | 121 000 | 223 000 | 40 500 | 4 850 | 3 150 | 680 | **NK95/36-XL** | 1 |

***medias*** *https://www.schaeffler.de/std/1F9A*