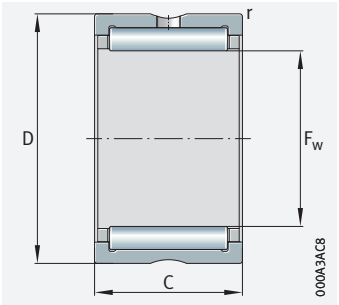
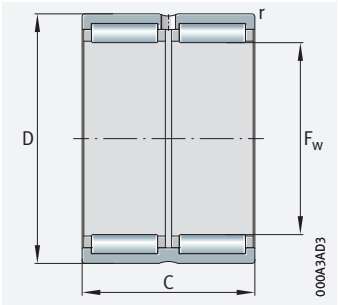
# Needle roller bearings with ribs

## Without inner ring
## Open




*NK, NKS, RNA49*




*RNA69..-ZW*

## $F_w$ = 43 – 65 mm

| Main dimensions | | | Basic load ratings | | Fatigue limit load | Limiting speed | Speed rating | Mass | Designation |
|---|---|---|---|---|---|---|---|---|---|
| $F_w$ | 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* |
| | | | N | N | N | $min^{-1}$ | $min^{-1}$ | ≈ g | |
| **43** | 53 | 20 | 30 500 | 51 000 | 9 100 | 10 700 | 6 500 | 86 | **NK43/20-XL** |
| | 53 | 30 | 45 500 | 85 000 | 16 100 | 10 700 | 6 300 | 133 | **NK43/30-XL** |
| | 58 | 22 | 44 000 | 57 000 | 10 000 | 10 200 | 6 200 | 139 | **NKS43-XL** |
| **45** | 55 | 20 | 35 000 | 62 000 | 11 000 | 10 200 | 5 900 | 85,3 | **NK45/20-TV-XL** |
| | 55 | 30 | 52 000 | 103 000 | 19 500 | 10 200 | 5 700 | 132 | **NK45/30-TV-XL** |
| | 60 | 22 | 45 500 | 60 000 | 10 600 | 9 800 | 6 000 | 145 | **NKS45-XL** |
| **47** | 57 | 20 | 32 500 | 56 000 | 10 100 | 9 800 | 6 000 | 94,5 | **NK47/20-XL** |
| | 57 | 30 | 48 500 | 94 000 | 17 800 | 9 800 | 5 800 | 142 | **NK47/30-XL** |
| **48** | 62 | 22 | 48 500 | 67 000 | 11 700 | 9 200 | 5 300 | 140 | **RNA4908-XL** |
| | 62 | 40 | 74 000 | 116 000 | 19 800 | 9 200 | 5 400 | 256 | **RNA6908-ZW-XL** |
| **50** | 62 | 25 | 48 500 | 87 000 | 15 000 | 9 200 | 5 400 | 146 | **NK50/25-TV-XL** |
| | 62 | 35 | 67 000 | 132 000 | 24 300 | 9 200 | 5 200 | 207 | **NK50/35-TV-XL** |
| | 65 | 22 | 48 000 | 67 000 | 11 800 | 8 900 | 5 500 | 157 | **NKS50-XL** |
| **52** | 68 | 22 | 51 000 | 73 000 | 12 900 | 8 600 | 4 900 | 182 | **RNA4909-XL** |
| | 68 | 40 | 79 000 | 127 000 | 21 800 | 8 600 | 4 950 | 338 | **RNA6909-ZW-XL** |
| **55** | 68 | 25 | 57 000 | 111 000 | 19 700 | 8 400 | 4 700 | 195 | **NK55/25-D-XL** |
| | 68 | 25 | 45 500 | 82 000 | 14 300 | 8 400 | 5 200 | 180 | **NK55/25-XL** |
| | 68 | 35 | 60 000 | 118 000 | 21 600 | 8 400 | 5 200 | 250 | **NK55/35-XL** |
| | 72 | 22 | 51 000 | 74 000 | 13 000 | 8 200 | 5 100 | 221 | **NKS55-XL** |
| **58** | 72 | 22 | 53 000 | 80 000 | 14 100 | 7 800 | 4 350 | 163 | **RNA4910-XL** |
| | 72 | 40 | 82 000 | 139 000 | 23 800 | 7 800 | 4 400 | 310 | **RNA6910-ZW-XL** |
| **60** | 72 | 25 | 53 000 | 103 000 | 17 800 | 7 700 | 4 600 | 170 | **NK60/25-TV-XL** |
| | 72 | 35 | 63 000 | 130 000 | 23 900 | 7 700 | 4 800 | 258 | **NK60/35-XL** |
| | 80 | 28 | 71 000 | 98 000 | 17 600 | 7 400 | 4 750 | 335 | **NKS60-XL** |
| **63** | 80 | 25 | 65 000 | 100 000 | 17 600 | 7 200 | 4 150 | 255 | **RNA4911-XL** |
| | 80 | 45 | 102 000 | 176 000 | 30 500 | 7 200 | 4 200 | 470 | **RNA6911-ZW-XL** |
| **65** | 78 | 25 | 50 000 | 98 000 | 17 000 | 7 200 | 4 500 | 221 | **NK65/25-XL** |
| | 78 | 35 | 66 000 | 142 000 | 26 000 | 7 200 | 4 450 | 310 | **NK65/35-XL** |
| | 85 | 28 | 75 000 | 108 000 | 19 400 | 6 900 | 4 400 | 356 | **NKS65-XL** |

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

[1] For unsealed needle roller bearings, dimensionally matched sealing rings of series G or SD can be used to provide protection against contamination.