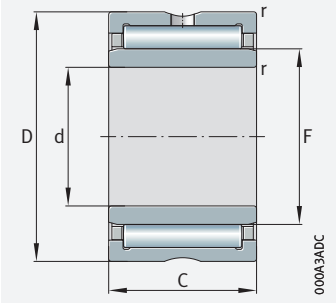
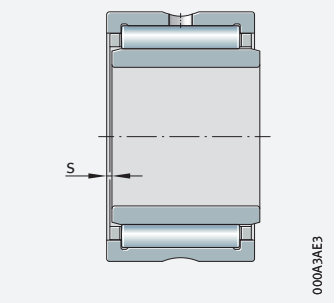
# Needle roller bearings with ribs

With inner ring
Open




*NKI, NA49, NA48*




*Axial displacement "s"*

## d = 100 – 380 mm

| Main dimensions | | | Basic load ratings | | Fatigue limit load | Limiting speed | Speed rating | Mass | Designation | Dimensions | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d | D | B | dyn. $C_r$ | stat. $C_{0r}$ | $C_{ur}$ | $n_G$ | $n_{\vartheta r}$ | m | ➤936\|1.12 ➤937\|1.13 X-life ➤930 | F | r | s |
| | | | N | N | N | $min^{-1}$ | $min^{-1}$ | ≈ g | | | min. | |
| **100** | 130 | 30 | 111 000 | 210 000 | 36 000 | 4 200 | 2 650 | 990 | **NKI100/30-XL** | 110 | 1,1 | 1,5 |
| | 130 | 40 | 143 000 | 290 000 | 51 000 | 4 200 | 2 600 | 1 330 | **NKI100/40-XL** | 110 | 1,1 | 2 |
| | 140 | 40 | 144 000 | 270 000 | 46 000 | 4 000 | 2 550 | 1 900 | **NA4920-XL** | 115 | 1,1 | 2 |
| **110** | 150 | 40 | 149 000 | 290 000 | 48 000 | 3 700 | 2 330 | 2 070 | **NA4922-XL** | 125 | 1,1 | 2 |
| | 140 | 30 | 106 000 | 216 000 | 36 500 | 3 900 | 2 270 | 1 080 | **NA4822-XL** | 120 | 1 | 0,8 |
| **120** | 165 | 45 | 205 000 | 390 000 | 65 000 | 3 400 | 2 160 | 2 860 | **NA4924-XL** | 135 | 1,1 | 2 |
| | 150 | 30 | 112 000 | 239 000 | 39 500 | 3 600 | 2 070 | 1 170 | **NA4824-XL** | 130 | 1 | 0,8 |
| **130** | 180 | 50 | 229 000 | 470 000 | 76 000 | 3 100 | 2 000 | 3 900 | **NA4926-XL** | 150 | 1,5 | 1,5 |
| | 165 | 35 | 134 000 | 310 000 | 49 500 | 3 250 | 1 930 | 1 810 | **NA4826-XL** | 145 | 1,1 | 1 |
| **140** | 190 | 50 | 237 000 | 500 000 | 79 000 | 2 900 | 1 860 | 4 150 | **NA4928-XL** | 160 | 1,5 | 1,5 |
| | 175 | 35 | 136 000 | 325 000 | 51 000 | 3 050 | 1 810 | 1 920 | **NA4828-XL** | 155 | 1,1 | 1 |
| **150** | 190 | 40 | 172 000 | 400 000 | 63 000 | 2 850 | 1 780 | 2 720 | **NA4830-XL** | 165 | 1,1 | 1,5 |
| **160** | 200 | 40 | 181 000 | 435 000 | 67 000 | 2 700 | 1 650 | 2 890 | **NA4832-XL** | 175 | 1,1 | 1,5 |
| **170** | 215 | 45 | 209 000 | 510 000 | 76 000 | 2 550 | 1 610 | 3 960 | **NA4834-XL** | 185 | 1,1 | 1,5 |
| **180** | 225 | 45 | 219 000 | 550 000 | 81 000 | 2 420 | 1 490 | 4 200 | **NA4836-XL** | 195 | 1,1 | 1,5 |
| **190** | 240 | 50 | 255 000 | 690 000 | 102 000 | 2 250 | 1 330 | 5 610 | **NA4838-XL** | 210 | 1,5 | 1,5 |
| **200** | 250 | 50 | 260 000 | 720 000 | 104 000 | 2 150 | 1 250 | 5 840 | **NA4840-XL** | 220 | 1,5 | 1,5 |
| **220** | 270 | 50 | 275 000 | 790 000 | 112 000 | 1 980 | 1 110 | 6 380 | **NA4844-XL** | 240 | 1,5 | 1,5 |
| **240** | 300 | 60 | 400 000 | 1 080 000 | 153 000 | 1 780 | 960 | 10 000 | **NA4848-XL** | 265 | 2 | 2 |
| **260** | 320 | 60 | 415 000 | 1 160 000 | 161 000 | 1 660 | 870 | 10 600 | **NA4852-XL** | 285 | 2 | 2 |
| **280** | 350 | 69 | 510 000 | 1 300 000 | 178 000 | 1 540 | 840 | 15 300 | **NA4856-XL** | 305 | 2 | 2,5 |
| **300** | 380 | 80 | 700 000 | 1 770 000 | 239 000 | 1 420 | 720 | 21 800 | **NA4860-XL** | 330 | 2,1 | 2 |
| **320** | 400 | 80 | 710 000 | 1 850 000 | 246 000 | 1 340 | 670 | 23 000 | **NA4864-XL** | 350 | 2,1 | 2 |
| **340** | 420 | 80 | 730 000 | 1 940 000 | 255 000 | 1 270 | 620 | 24 200 | **NA4868-XL** | 370 | 2,1 | 2 |
| **360** | 440 | 80 | 740 000 | 2 020 000 | 260 000 | 1 210 | 590 | 25 600 | **NA4872-XL** | 390 | 2,1 | 2 |
| **380** | 480 | 100 | 1 130 000 | 2 900 000 | 375 000 | 1 130 | 510 | 42 600 | **NA4876-XL** | 415 | 2,1 | 2 |

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