

**NKI90/36-XL-C3**

Needle roller bearing

Needle roller bearings NKI, light series

X-life

Technical information



Your current product variant

| | | |
|---------------------------|--------------|-----------------------------------|
| Cage | Standard | |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Coating | Without | |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 90 mm | Bore diameter |
| D | 120 mm | Outside diameter |
| B | 36 mm | Width |
| C_r | 125.000 N | Basic dynamic load rating, radial |
| C_{0r} | 237.000 N | Basic static load rating, radial |
| C_{ur} | 42.500 N | Fatigue load limit, radial |
| n_G | 4.600 1/min | Limiting speed |
| n_{gr} | 2.800 1/min | Reference speed |
| $\approx m$ | 1,09 kg | Weight |

Dimensions

| | | |
|-----------|--------|-----------------------------|
| F | 100 mm | Raceway diameter inner ring |
| r_{min} | 1 mm | Minimum chamfer dimension |
| s | 1,5 mm | Axial displacement |



Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Small design envelope