

**NKI12/16-XL** [↗](#)

Needle roller bearing

Needle roller bearings NKI, light series

X-life

## Technical information



## Your current product variant

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Cage                      | Standard     |                           |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Coating                   | Without      |                           |

## Main Dimensions &amp; Performance Data

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 12 mm        | Bore diameter                     |
| D        | 24 mm        | Outside diameter                  |
| B        | 16 mm        | Width                             |
| $C_r$    | 12.800 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 13.900 N     | Basic static load rating, radial  |
| $C_{ur}$ | 2.600 N      | Fatigue load limit, radial        |
| $n_G$    | 23.200 1/min | Limiting speed                    |
| $n_{gr}$ | 14.500 1/min | Reference speed                   |
| $m$      | 0,034 kg     | Weight                            |

## Dimensions

|           |        |                             |
|-----------|--------|-----------------------------|
| F         | 16 mm  | Raceway diameter inner ring |
| $r_{min}$ | 0,3 mm | Minimum chamfer dimension   |
| s         | 0,5 mm | Axial displacement          |



### Temperature range

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

### Characteristics

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