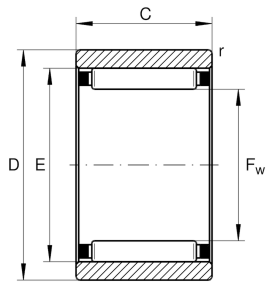
**RNAO100X120X30-XL**

Needle roller bearing

Needle roller bearings RNAO, without ribs

X-life

## Technical information



## Your current product variant

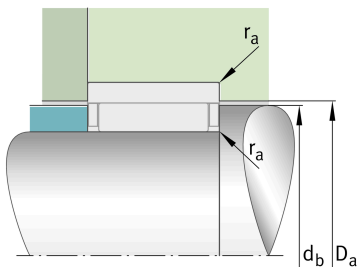
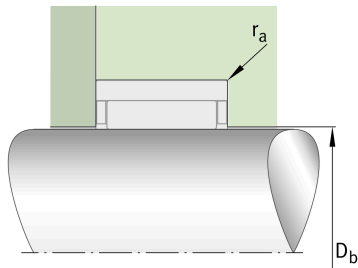
Cage Standard

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| $F_w$    | 100 mm      | Under roller diameter             |
| D        | 120 mm      | Outside diameter                  |
| C        | 30 mm       | Width, outer ring                 |
| $C_r$    | 80.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$ | 188.000 N   | Basic static load rating, radial  |
| $C_{ur}$ | 32.500 N    | Fatigue load limit, radial        |
| $n_G$    | 4.700 1/min | Limiting speed                    |
| $n_{gr}$ | 3.150 1/min | Reference speed                   |
| $m$      | 0,694 kg    | Weight                            |

## Mounting dimensions

|              |          |   |
|--------------|----------|---|
| $D_b$        | 101 mm   | Shoulder diameter axial guidance NK/housing |
| $d_b$        | 107,2 mm | Shoulder diameter axial guidance NK/shaft   |
| $D_a$        | 109 mm   | Shoulder diameter outer ring                |
| $r_{a \max}$ | 1 mm     | Maximum recess radius                       |





### Dimensions

|                  |        |                             |
|------------------|--------|-----------------------------|
| E                | 108 mm | Raceway diameter outer ring |
| r <sub>min</sub> | 1 mm   | Minimum chamfer dimension   |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

### Characteristics

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