

**NKX20-Z-XL**

Needle roller/axial ball bearing

Needle roller/axial ball bearings NKX...-Z, axial component, single direction, to DIN 5429, with end cap, for grease lubrication

X-life

Technical information



Your current product variant

| | | |
|-----------------|----------|----------------------|
| Type of Sealing | Z | Bearing with end cap |
| Cage | Standard | |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| F_w | 20 mm | Bore diameter |
| D | 30 mm | Outside diameter |
| C | 30 mm | Height |
| C_r | 18.600 N | Basic dynamic load rating, radial |
| C_{0r} | 23.800 N | Basic static load rating, radial |
| C_a | 14.200 N | Basic dynamic load rating, axial |
| C_{0a} | 24.700 N | Basic static load rating, axial |
| C_{ur} | 4.200 N | Fatigue load limit, radial |
| C_{ua} | 1.220 N | Fatigue load limit, axial |
| n_G | 7.500 1/min | Limiting speed |
| $\approx m$ | 85,14 g | Weight |

Mounting dimensions

| | | |
|--------------|---------|-----------------------------------|
| d_a | 30,7 mm | Mounting dimension shaft shoulder |
| $r_{a \max}$ | 0,3 mm | Maximum recess radius |



Dimensions

| | | |
|---------|---------|--------------------------------------|
| D 1 max | 36,2 mm | Maximum outside diameter flange |
| D 2 max | 36,2 mm | Maximum outside diameter flange |
| C 1 | 10 mm | Width of the axial bearing component |
| C 1 | 10,5 mm | Distance to lubrication hole |
| C 2 | 10,5 mm | Distance to lubrication hole |
| d w | 20 mm | Bore diameter of shaft washer |
| r min | 0,3 mm | Minimum chamfer dimension |

Temperature range





| | | |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 120 °C | Operating temperature max. |

Additional information

IR17X20X20-XL

Suitable inner rings IR

Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Sealed on one side