

**NX25-Z-XL**

Needle roller/axial ball bearing

Needle roller/axial ball bearings NX...-Z,
single direction axial component, for grease
lubrication

X-life

Technical information



Your current product variant

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

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| F_w | 25 mm | Bore diameter |
| D | 37 mm | Outside diameter |
| C | 30 mm | Height |
| C_r | 16.800 N | Basic dynamic load rating, radial |
| C_{0r} | 22.400 N | Basic static load rating, radial |
| C_a | 11.100 N | Basic dynamic load rating, axial |
| C_{0a} | 24.300 N | Basic static load rating, axial |
| C_{ur} | 4.200 N | Fatigue load limit, radial |
| C_{ua} | 1.110 N | Fatigue load limit, axial |
| n_G | 4.900 1/min | Limiting speed |
| $\approx m$ | 110,68 g | Weight |



Mounting dimensions

| | | |
|--------------|---------|-----------------------------------|
| d_a | 31,6 mm | Mounting dimension shaft shoulder |
| $r_{a \max}$ | 0,3 mm | Maximum recess radius |
| D_1 | 40,4 mm | Connection diameter snap ring |
| C_2 | 14,2 mm | Connection width with snap ring |

Dimensions

| | | |
|------------|--------|-------------------------------|
| C_1 | 8 mm | Distance to lubrication hole |
| C_2 | 8 mm | Distance to lubrication hole |
| d_w | 25 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

| | |
|-------------------|-------------------------|
| IR20X25X16-IS1-XL | Suitable inner rings IR |
| WR37, SW37 | Snap ring |

Characteristics

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