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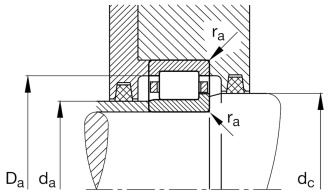
X-life

# NJ2309-E-XL-TVP2

Cylindrical roller bearing

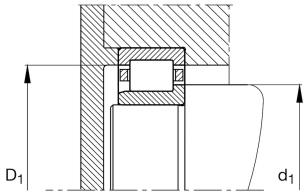
Cylindrical roller bearing NJ..-E-XL-TVP2, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

## Technical information



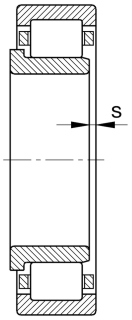

### Your current product variant

| | | |
|---|---|---|
| Design | E | Increased Capacity Design |
| Cage | TVP2 | Solid Window Cage made from PA66 |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Tolerance class | PN | Normal (PN) |
| Number of rows | 1 | Single-row design |

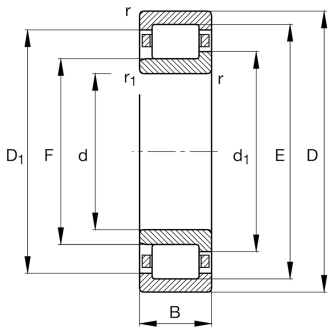



### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 45 mm | Bore diameter |
| D | 100 mm | Outside diameter |
| B | 36 mm | Width |
| $C_r$ | 163.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 154.000 N | Basic static load rating, radial |
| $C_{ur}$ | 28.500 N | Fatigue load limit, radial |
| $n_G$ | 9.800 1/min | Limiting speed |
| $n_{\vartheta r}$ | 5.200 1/min | Reference speed |
| ≈m | 1,31 kg | Weight |




The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form




## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ min}$ | 54 mm | Minimum diameter shaft shoulder |
| $d_{a\ max}$ | 57 mm | Maximum diameter of shaft shoulder |
| $D_{a\ max}$ | 91 mm | Maximum diameter of housing shoulder |
| $d_{c\ min}$ | 66 mm | Minimum shaft shoulder |
| $r_{a\ max}$ | 1,5 mm | Maximum recess radius |

## Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 1,5 mm | Minimum chamfer dimension |
| $r_{1\ min}$ | 1,5 mm | Minimum chamfer dimension |
| s | 2,5 mm | Axial displacement |
| E | 88,5 mm | Raceway diameter outer ring |
| F | 58,5 mm | Raceway diameter inner ring |
| $D_{1\ min}$ | 84,1 mm | Minimum rib diameter outer ring |
| $d_1$ | 64,4 mm | Maximum rib diameter inner ring |

## Temperature range

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

## Additional information

| | | |
|---|---|---|
| | HJ2309-E | L-washer |

## Characteristics

- Radial load
- Axial load in one direction
- Grease Lubrication
- Oil Lubrication
- Not sealed

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