

**FAG****NJ208-E-XL-TVP2-C4**

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 | C4 (Group 4) | Internal clearance larger than C3 |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|----------|--------------|-----------------------------------|
| d | 40 mm | Bore diameter |
| D | 80 mm | Outside diameter |
| B | 18 mm | Width |
| C_r | 63,000 N | Basic dynamic load rating, radial |
| C_{0r} | 53,000 N | Basic static load rating, radial |
| C_{ur} | 8,500 N | Fatigue load limit, radial |
| n_G | 12,500 1/min | Limiting speed |
| n_{gr} | 7,500 1/min | Reference speed |
| m | 0.378 kg | Weight |



Mounting dimensions

| | | |
|--------------|-------|--------------------------------------|
| $d_{a \min}$ | 47 mm | Minimum diameter shaft shoulder |
| $d_{a \max}$ | 49 mm | Maximum diameter of shaft shoulder |
| $D_{a \max}$ | 73 mm | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 56 mm | Minimum shaft shoulder |
| $r_{a \max}$ | 1 mm | Maximum recess radius |

Dimensions

| | | |
|--------------|---------|---------------------------------|
| r_{\min} | 1.1 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 1.1 mm | Minimum chamfer dimension |
| s | 1 mm | Axial displacement |
| E | 71.5 mm | Raceway diameter outer ring |
| F | 49.5 mm | Raceway diameter inner ring |
| $D_{1 \min}$ | 68.3 mm | Minimum rib diameter outer ring |
| d_1 | 54 mm | Maximum rib diameter inner ring |

Temperature range

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

Additional information

HJ208-E

L-washer

Characteristics

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