



FAG

**NJ2208-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

X-life

## 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 (ISO 492:2023)            |
| Number of rows            | 1            | Single-row design                |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 40 mm        | Bore diameter                     |
| D               | 80 mm        | Outside diameter                  |
| B               | 23 mm        | Width                             |
| C <sub>r</sub>  | 83.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 75.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 12.900 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 12.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.300 1/min  | Reference speed                   |
| m               | 0,486 kg     | Weight                            |



### Mounting dimensions

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

### Dimensions

|                     |         |                                 |
|---------------------|---------|---------------------------------|
| $r_{\text{min}}$    | 1,1 mm  | Minimum chamfer dimension       |
| $r_{1 \text{ min}}$ | 1,1 mm  | Minimum chamfer dimension       |
| s                   | 1,5 mm  | Axial displacement              |
| E                   | 71,5 mm | Raceway diameter outer ring     |
| F                   | 49,5 mm | Raceway diameter inner ring     |
| $D_{1 \text{ min}}$ | 68,3 mm | Minimum rib diameter outer ring |
| $d_1$               | 54 mm   | Maximum rib diameter inner ring |

### Temperature range






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

### Additional information

HJ2208-E

L-washer

### Characteristics

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