

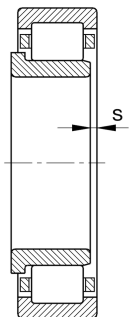
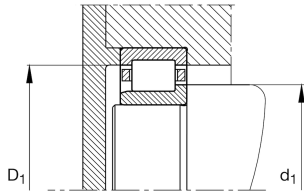
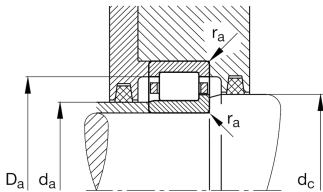
**FAG****NJ308-E-XL-TVP2**

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

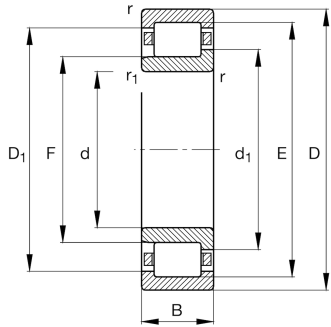


## Your current product variant

|                           |              |                                  |
|---------------------------|--------------|----------------------------------|
| 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               | 90 mm        | Outside diameter                  |
| B               | 23 mm        | Width                             |
| C <sub>r</sub>  | 96.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 79.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 13.700 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7.100 1/min  | Reference speed                   |
| ≈m              | 0,654 kg     | Weight                            |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 49 mm  | Minimum diameter shaft shoulder      |
| $d_{a \max}$ | 51 mm  | Maximum diameter of shaft shoulder   |
| $D_{a \max}$ | 81 mm  | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 60 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            | 1,3 mm  | Axial displacement              |
| E            | 80 mm   | Raceway diameter outer ring     |
| F            | 52 mm   | Raceway diameter inner ring     |
| $D_{1 \min}$ | 75,9 mm | Minimum rib diameter outer ring |
| $d_1$        | 57,6 mm | Maximum rib diameter inner ring |

### Temperature range

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

### Additional information

|         |          |
|---------|----------|
| HJ308-E | L-washer |
|---------|----------|

### Characteristics

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