



FAG

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                  |
|---------------------------|--------------|----------------------------------|
| 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 & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 45 mm       | Bore diameter                     |
| D               | 100 mm      | Outside diameter                  |
| B               | 36 mm       | Width                             |
| C <sub>r</sub>  | 163.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 154.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 28.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.800 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.200 1/min | Reference speed                   |
| ≈m              | 1,31 kg     | Masa                              |



### 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

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia