



FAG

NU309-E-XL-TVP2>A

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-TVP2, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

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               | 25 mm       | Width                             |
| C <sub>r</sub>  | 116.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 99.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 13.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.800 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.400 1/min | Reference speed                   |
| ≈m              | 0,88 kg     | Masa                              |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 54 mm  | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 57 mm  | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 60 mm  | Minimum shaft shoulder               |
| $D_{a \max}$  | 91 mm  | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 1,5 mm | Maximum recess radius                |
| $r_{a1 \max}$ | 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 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 |

### Temperature range

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

### Właściwości

|                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
|  | Obciążenie promieniowe |
|  | Smarowanie smarem      |
|  | Smarowanie olejem      |
|  | Bez uszczelnienia      |