



FAG

NUP309-E-XL-TVP2

Cylindrical roller bearing

Cylindrical roller bearing NUP...-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

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> | 17.600 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              | 0,93 kg     | Masa                              |



Mounting dimensions

|         |         |                                      |
|---------|---------|--------------------------------------|
| d 1     | 64,4 mm | Maximum rib diameter inner ring      |
| D 1 min | 84,1 mm | Minimum rib diameter outer ring      |
| d a min | 54 mm   | Minimum diameter shaft shoulder      |
| d c min | 66 mm   | Minimum shaft shoulder               |
| D a max | 91 mm   | Maximum diameter of housing 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   |
| E       | 88,5 mm | Raceway diameter outer ring |
| F       | 58,5 mm | Raceway diameter inner ring |

|     |        |                    |
|-----|--------|--------------------|
| B 3 | 4,5 mm | Width of loose rib |
|-----|--------|--------------------|

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 120 °C | Operating temperature max. |

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |