



FAG

NU310-E-XL-M1

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-M1, 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                      | M1           | Two Piece Brass Cage Roller Guided |
| 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               | 50 mm        | Bore diameter                     |
| D               | 110 mm       | Outside diameter                  |
| B               | 27 mm        | Width                             |
| C <sub>r</sub>  | 131.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 114.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 15.700 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 11.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.000 1/min  | Reference speed                   |
| ≈m              | 1,28 kg      | Masa                              |



### Mounting dimensions

|               |       |                                      |
|---------------|-------|--------------------------------------|
| $d_{a \min}$  | 61 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 63 mm | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 67 mm | Minimum shaft shoulder               |
| $D_{a \max}$  | 99 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 2 mm  | Maximum recess radius                |
| $r_{a1 \max}$ | 2 mm  | Maximum recess radius                |

### Dimensions

|              |          |                                 |
|--------------|----------|---------------------------------|
| $r_{\min}$   | 2 mm     | Minimum chamfer dimension       |
| $r_{1 \min}$ | 2 mm     | Minimum chamfer dimension       |
| s            | 1,7 mm   | Axial displacement              |
| E            | 97 mm    | Raceway diameter outer ring     |
| F            | 65 mm    | Raceway diameter inner ring     |
| $D_{1 \min}$ | 92,48 mm | Minimum rib diameter outer ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

### Właściwości



Obciążenie promieniowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia