



FAG

NU312-E-XL-M1-C4

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 | C4 (Group 4) | Internal clearance larger than C3  |
| Tolerance class           | PN           | Normal (ISO 492:2023)              |
| Number of rows            | 1            | Single-row design                  |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 60 mm       | Bore diameter                     |
| D               | 130 mm      | Outside diameter                  |
| B               | 31 mm       | Width                             |
| C <sub>r</sub>  | 177.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 157.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 21.900 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.200 1/min | Reference speed                   |
| ≈m              | 2,01 kg     | Masa                              |



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 72 mm  | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 75 mm  | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 79 mm  | Minimum shaft shoulder               |
| $D_{a \max}$  | 118 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 2 mm   | Maximum recess radius                |
| $r_{a1 \max}$ | 2 mm   | Maximum recess radius                |

### Dimensions

|              |           |                                 |
|--------------|-----------|---------------------------------|
| $r_{\min}$   | 2,1 mm    | Minimum chamfer dimension       |
| $r_{1 \min}$ | 2,1 mm    | Minimum chamfer dimension       |
| s            | 1,9 mm    | Axial displacement              |
| E            | 115 mm    | Raceway diameter outer ring     |
| F            | 77 mm     | Raceway diameter inner ring     |
| $D_{1 \min}$ | 109,62 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      |