



FAG

NJ2314-E-XL-M1-C4

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-M1, 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                      | 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               | 70 mm       | Bore diameter                     |
| D               | 150 mm      | Outside diameter                  |
| B               | 51 mm       | Width                             |
| C <sub>r</sub>  | 325.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 325.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 60.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.200 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.800 1/min | Reference speed                   |
| ≈m              | 4,45 kg     | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a</sub> min | 82 mm  | Minimum diameter shaft shoulder      |
| d <sub>a</sub> max | 87 mm  | Maximum diameter of shaft shoulder   |
| D <sub>a</sub> max | 138 mm | Maximum diameter of housing shoulder |
| d <sub>c</sub> min | 100 mm | Minimum shaft shoulder               |

r<sub>a</sub> max 2 mm Maximum recess radius

Dimensions

|                    |           |                                 |
|--------------------|-----------|---------------------------------|
| r <sub>min</sub>   | 2,1 mm    | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 2,1 mm    | Minimum chamfer dimension       |
| s                  | 4,7 mm    | Axial displacement              |
| E                  | 133 mm    | Raceway diameter outer ring     |
| F                  | 89 mm     | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 126,82 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 97,35 mm  | Maximum rib diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

Additional information

HJ2314-E L-washer

Właściwości

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