



FAG

NJ2307-E-XL-M1

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 | 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               | 35 mm        | Bore diameter                     |
| D               | 80 mm        | Outside diameter                  |
| B               | 31 mm        | Width                             |
| C <sub>r</sub>  | 108.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 98.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 17.700 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 16.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.600 1/min  | Reference speed                   |
| ≈m              | 0,795 kg     | Masa                              |



Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a</sub> min | 42 mm | Minimum diameter shaft shoulder      |
| d <sub>a</sub> max | 45 mm | Maximum diameter of shaft shoulder   |
| D <sub>a</sub> max | 71 mm | Maximum diameter of housing shoulder |
| d <sub>c</sub> min | 53 mm | Minimum shaft shoulder               |

r<sub>a</sub> max 1,5 mm Maximum recess radius

Dimensions

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| r <sub>min</sub>   | 1,5 mm   | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 1,1 mm   | Minimum chamfer dimension       |
| s                  | 2,1 mm   | Axial displacement              |
| E                  | 70,2 mm  | Raceway diameter outer ring     |
| F                  | 46,2 mm  | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 66,64 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 51 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

HJ2307-E L-washer

Właściwości

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