



FAG

NJ2220-E-XL-MPAX-C4

Cylindrical roller bearing

Cylindrical roller bearing NJ...-E-XL-MPAX, 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                      | MPAX         | One Piece Brass Cage Lip 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               | 100 mm      | Bore diameter                     |
| D               | 180 mm      | Outside diameter                  |
| B               | 46 mm       | Width                             |
| C <sub>r</sub>  | 395.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 445.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 77.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.800 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.900 1/min | Reference speed                   |
| m               | 5,3 kg      | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 112 mm | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 117 mm | Maximum diameter of shaft shoulder   |
| D <sub>a max</sub> | 168 mm | Maximum diameter of housing shoulder |
| d <sub>c min</sub> | 130 mm | Minimum shaft shoulder               |
| r <sub>a max</sub> | 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                  | 2,5 mm   | Axial displacement              |
| E                  | 163 mm   | Raceway diameter outer ring     |
| F                  | 119 mm   | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 156,9 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 127,3 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

|          |          |
|----------|----------|
| HJ2220-E | L-washer |
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Właściwości

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