



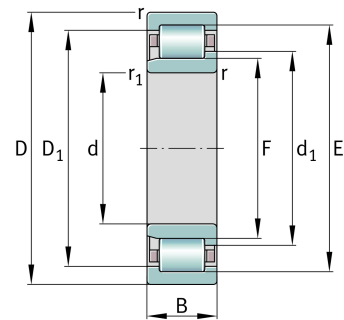
FAG

NJ209-E-XL-TVP2-C4

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-TVP2, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E            | Increased Capacity Design         |
| Cage                      | TVP2         | Solid Window Cage made from PA66  |
| 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               | 45 mm        | Bore diameter                     |
| D               | 85 mm        | Outside diameter                  |
| B               | 19 mm        | Width                             |
| C <sub>r</sub>  | 72.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 63.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 10.500 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.200 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7.000 1/min  | Reference speed                   |
| ≈m              | 0,432 kg     | Masa                              |



Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 52 mm | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 54 mm | Maximum diameter of shaft shoulder   |
| D <sub>a max</sub> | 78 mm | Maximum diameter of housing shoulder |
| d <sub>c min</sub> | 61 mm | Minimum shaft shoulder               |
| r <sub>a max</sub> | 1 mm  | Maximum recess radius                |

Dimensions

|                    |         |                                 |
|--------------------|---------|---------------------------------|
| r <sub>min</sub>   | 1,1 mm  | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 1,1 mm  | Minimum chamfer dimension       |
| s                  | 1,9 mm  | Axial displacement              |
| E                  | 76,5 mm | Raceway diameter outer ring     |
| F                  | 54,5 mm | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 73,3 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 59 mm   | Maximum rib diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Additional information

|         |          |
|---------|----------|
| HJ209-E | L-washer |
|---------|----------|

Właściwości

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