



FAG

NJ414-XL-M1-C3

Cylindrical roller bearing

Cylindrical roller bearing NJ..-M1, 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                    | Standard     |                                    |
| Cage                      | M1           | Two Piece Brass Cage Roller Guided |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN  |
| Tolerance class           | PN           | Normal (ISO 492:2023)              |
| Number of rows            | 1            | Single-row design                  |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 70 mm       | Bore diameter                     |
| D               | 180 mm      | Outside diameter                  |
| B               | 42 mm       | Width                             |
| C <sub>r</sub>  | 285.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 255.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 46.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 7.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.250 1/min | Reference speed                   |
| ≈m              | 6,1 kg      | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 86 mm  | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 99 mm  | Maximum diameter of shaft shoulder   |
| D <sub>a max</sub> | 164 mm | Maximum diameter of housing shoulder |
| d <sub>c min</sub> | 112 mm | Minimum shaft shoulder               |
| r <sub>a max</sub> | 2,5 mm | Maximum recess radius                |

Dimensions

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| r <sub>min</sub>   | 3 mm     | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 3 mm     | Minimum chamfer dimension       |
| s                  | 4 mm     | Axial displacement              |
| E                  | 152 mm   | Raceway diameter outer ring     |
| F                  | 100 mm   | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 142,7 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 110,3 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

|       |          |
|-------|----------|
| HJ414 | L-washer |
|-------|----------|

Właściwości

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