



FAG

NJ1040-XL-M1A

Cylindrical roller bearing

Cylindrical roller bearing NJ..-XL-M1A, 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                    | Standard     |                                 |
| Cage                      | M1A          | Two Piece Brass Cage Lip 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               | 200 mm      | Bore diameter                     |
| D               | 310 mm      | Outside diameter                  |
| B               | 51 mm       | Width                             |
| C <sub>r</sub>  | 470.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 600.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 88.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.310 1/min | Reference speed                   |
| m               | 14,4 kg     | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 210 mm | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 226 mm | Maximum diameter of shaft shoulder   |
| D <sub>a max</sub> | 300 mm | Maximum diameter of housing shoulder |
| d <sub>c min</sub> | 242 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                  | 5,8 mm   | Axial displacement              |
| E                  | 281 mm   | Raceway diameter outer ring     |
| F                  | 229 mm   | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 271,5 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 239,1 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. |