



FAG

NJ1048-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               | 240 mm      | Bore diameter                     |
| D               | 360 mm      | Outside diameter                  |
| B               | 56 mm       | Width                             |
| C <sub>r</sub>  | 540.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 840.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 95.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.850 1/min | Reference speed                   |
| ≈m              | 20,3 kg     | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 252 mm | Minimum diameter shaft shoulder      |
| $d_{a \max}$ | 268 mm | Maximum diameter of shaft shoulder   |
| $D_{a \max}$ | 348 mm | Maximum diameter of housing shoulder |
| $d_{c \min}$ | 285 mm | Minimum shaft shoulder               |
| $r_{a \max}$ | 2,5 mm | Maximum recess radius                |

### Dimensions

|            |          |                                 |
|------------|----------|---------------------------------|
| $r_{\min}$ | 3 mm     | Minimum chamfer dimension       |
| $r_1 \min$ | 3 mm     | Minimum chamfer dimension       |
| s          | 6,4 mm   | Axial displacement              |
| E          | 330 mm   | Raceway diameter outer ring     |
| F          | 270 mm   | Raceway diameter inner ring     |
| $D_1 \min$ | 318,9 mm | Minimum rib diameter outer ring |
| $d_1$      | 281,6 mm | Maximum rib diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia