



FAG

NU2307-E-XL-M1

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                    |
|---------------------------|--------------|------------------------------------|
| Design                    | E            | Increased Capacity Design          |
| Cage                      | M1           | Two Piece Brass Cage Roller 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               | 35 mm        | Bore diameter                     |
| D               | 80 mm        | Outside diameter                  |
| B               | 31 mm        | Width                             |
| C <sub>r</sub>  | 108.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 98.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 17.700 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 16.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.600 1/min  | Reference speed                   |

≈m 0,794 kg Masa



### Mounting dimensions

|               |        |                                      |
|---------------|--------|--------------------------------------|
| $d_{a \min}$  | 42 mm  | Minimum diameter shaft shoulder      |
| $d_{a \max}$  | 45 mm  | Maximum diameter of shaft shoulder   |
| $d_{b \min}$  | 48 mm  | Minimum shaft shoulder               |
| $D_{a \max}$  | 71 mm  | Maximum diameter of housing shoulder |
| $r_{a \max}$  | 1,5 mm | Maximum recess radius                |
| $r_{a1 \max}$ | 1 mm   | Maximum recess radius                |

### Dimensions

|            |          |                                 |
|------------|----------|---------------------------------|
| $r_{\min}$ | 1,5 mm   | Minimum chamfer dimension       |
| $r_1 \min$ | 1,1 mm   | Minimum chamfer dimension       |
| s          | 2,1 mm   | Axial displacement              |
| E          | 70,2 mm  | Raceway diameter outer ring     |
| F          | 46,2 mm  | Raceway diameter inner ring     |
| $D_1 \min$ | 66,64 mm | Minimum rib diameter outer ring |

### Temperature range

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

### Właściwości

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