



FAG

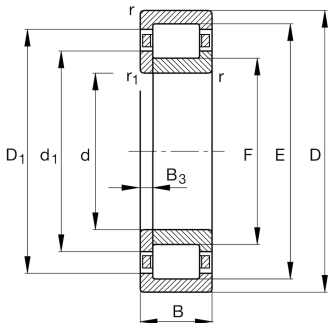
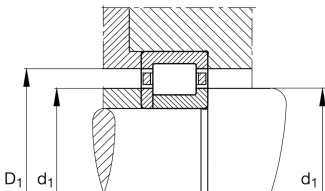
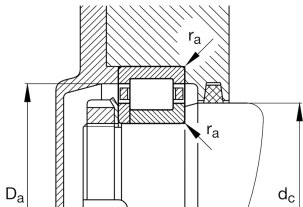
NUP311-E-XL-M1

Cylindrical roller bearing

Cylindrical roller bearing NUP...-E-XL-M1, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

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               | 55 mm        | Bore diameter                     |
| D               | 120 mm       | Outside diameter                  |
| B               | 29 mm        | Width                             |
| C <sub>r</sub>  | 159.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 139.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 26.000 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.500 1/min  | Reference speed                   |

≈m 1,7 kg Masa



Mounting dimensions

|         |           |                                      |
|---------|-----------|--------------------------------------|
| d 1     | 77,5 mm   | Maximum rib diameter inner ring      |
| D 1 min | 101,42 mm | Minimum rib diameter outer ring      |
| d a min | 66 mm     | Minimum diameter shaft shoulder      |
| d c min | 80 mm     | Minimum shaft shoulder               |
| D a max | 109 mm    | Maximum diameter of housing shoulder |
| r a max | 2 mm      | Maximum recess radius                |

Dimensions

|         |          |                             |
|---------|----------|-----------------------------|
| r min   | 2 mm     | Minimum chamfer dimension   |
| r 1 min | 2 mm     | Minimum chamfer dimension   |
| E       | 106,5 mm | Raceway diameter outer ring |
| F       | 70,5 mm  | Raceway diameter inner ring |
| B 3     | 5 mm     | Width of loose rib          |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 150 °C | Operating temperature max. |

Właściwości

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