



FAG

NUP2318-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               | 90 mm       | Bore diameter                     |
| D               | 190 mm      | Outside diameter                  |
| B               | 64 mm       | Width                             |
| C <sub>r</sub>  | 510.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 530.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 94.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.000 1/min | Reference speed                   |

|    |          |      |
|----|----------|------|
| ≈m | 8,915 kg | Masa |
|----|----------|------|



### Mounting dimensions

|             |           |                                      |
|-------------|-----------|--------------------------------------|
| $d_1$       | 124 mm    | Maximum rib diameter inner ring      |
| $D_{1\min}$ | 161,62 mm | Minimum rib diameter outer ring      |
| $d_{a\min}$ | 104 mm    | Minimum diameter shaft shoulder      |
| $d_{c\min}$ | 127 mm    | Minimum shaft shoulder               |
| $D_{a\max}$ | 176 mm    | Maximum diameter of housing 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   |
| E           | 169,5 mm | Raceway diameter outer ring |
| F           | 113,5 mm | Raceway diameter inner ring |
| $B_3$       | 10 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                 |