



FAG

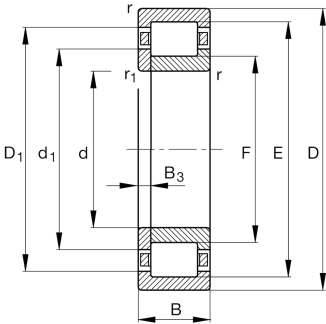
NUP234-E-XL-M1-C3

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 | 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               | 170 mm      | Bore diameter                     |
| D               | 310 mm      | Outside diameter                  |
| B               | 52 mm       | Width                             |
| C <sub>r</sub>  | 700.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 780.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 119.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.850 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.970 1/min | Reference speed                   |

|    |          |      |
|----|----------|------|
| ≈m | 18,12 kg | Masa |
|----|----------|------|



### Mounting dimensions

|                   |          |                                      |
|-------------------|----------|--------------------------------------|
| $d_1$             | 218,4 mm | Maximum rib diameter inner ring      |
| $D_1 \text{ min}$ | 268,5 mm | Minimum rib diameter outer ring      |
| $d_a \text{ min}$ | 187 mm   | Minimum diameter shaft shoulder      |
| $d_c \text{ min}$ | 223 mm   | Minimum shaft shoulder               |
| $D_a \text{ max}$ | 293 mm   | Maximum diameter of housing shoulder |
| $r_a \text{ max}$ | 3 mm     | Maximum recess radius                |

### Dimensions

|                   |        |                             |
|-------------------|--------|-----------------------------|
| $r_{\text{min}}$  | 4 mm   | Minimum chamfer dimension   |
| $r_1 \text{ min}$ | 4 mm   | Minimum chamfer dimension   |
| E                 | 279 mm | Raceway diameter outer ring |
| F                 | 207 mm | Raceway diameter inner ring |
| $B_3$             | 8 mm   | Width of loose rib          |

### Temperature range

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

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia