



FAG

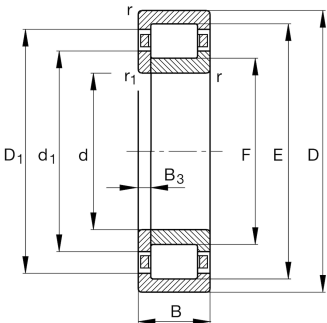
NUP221-E-XL-M1

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               | 105 mm      | Bore diameter                     |
| D               | 190 mm      | Outside diameter                  |
| B               | 36 mm       | Width                             |
| C <sub>r</sub>  | 310.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 320.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 54.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.400 1/min | Reference speed                   |

|    |         |      |
|----|---------|------|
| ≈m | 4,71 kg | Masa |
|----|---------|------|



### Mounting dimensions

|                    |           |                                      |
|--------------------|-----------|--------------------------------------|
| d <sub>1</sub>     | 134,5 mm  | Maximum rib diameter inner ring      |
| D <sub>1 min</sub> | 165,12 mm | Minimum rib diameter outer ring      |
| d <sub>a min</sub> | 117 mm    | Minimum diameter shaft shoulder      |
| d <sub>c min</sub> | 137 mm    | Minimum shaft shoulder               |
| D <sub>a max</sub> | 178 mm    | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2 mm      | Maximum recess radius                |

### Dimensions

|                    |          |                             |
|--------------------|----------|-----------------------------|
| r <sub>min</sub>   | 2,1 mm   | Minimum chamfer dimension   |
| r <sub>1 min</sub> | 2,1 mm   | Minimum chamfer dimension   |
| E                  | 171,5 mm | Raceway diameter outer ring |
| F                  | 125,5 mm | Raceway diameter inner ring |
| B <sub>3</sub>     | 6 mm     | Width of loose rib          |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

### Właściwości

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