



FAG

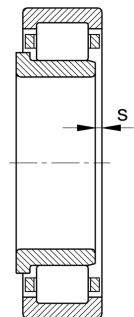
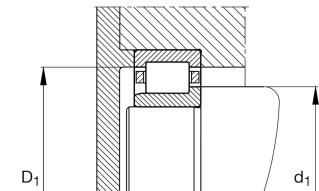
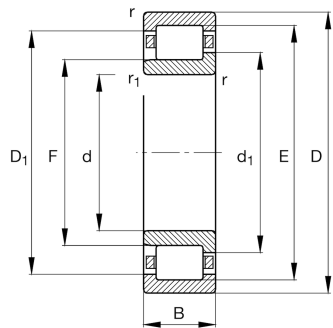
NJ315-E-XL-M1

Cylindrical roller bearing

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

X-life

Informacje techniczne

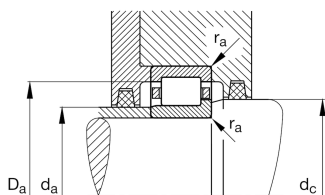


Twoja aktualna wersja produktu

|                           |              |                                    |
|---------------------------|--------------|------------------------------------|
| 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               | 75 mm       | Bore diameter                     |
| D               | 160 mm      | Outside diameter                  |
| B               | 37 mm       | Width                             |
| C <sub>r</sub>  | 285.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 265.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 47.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 7.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.150 1/min | Reference speed                   |
| ≈m              | 3,76 kg     | Masa                              |



### Mounting dimensions

|                   |        |                                      |
|-------------------|--------|--------------------------------------|
| $d_a \text{ min}$ | 87 mm  | Minimum diameter shaft shoulder      |
| $d_a \text{ max}$ | 93 mm  | Maximum diameter of shaft shoulder   |
| $D_a \text{ max}$ | 148 mm | Maximum diameter of housing shoulder |
| $d_c \text{ min}$ | 106 mm | Minimum shaft shoulder               |

$r_a \text{ max}$  2 mm Maximum recess radius

### Dimensions

|                   |           |                                 |
|-------------------|-----------|---------------------------------|
| $r_{\text{min}}$  | 2,1 mm    | Minimum chamfer dimension       |
| $r_1 \text{ min}$ | 2,1 mm    | Minimum chamfer dimension       |
| s                 | 1,2 mm    | Axial displacement              |
| E                 | 143 mm    | Raceway diameter outer ring     |
| F                 | 95 mm     | Raceway diameter inner ring     |
| $D_1 \text{ min}$ | 136,24 mm | Minimum rib diameter outer ring |
| $d_1$             | 104,1 mm  | Maximum rib diameter inner ring |

### Temperature range

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

### Additional information

HJ315-E

L-washer

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia