

**FAG****N315-E-XL-M1** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing N3..-E-M1, with cage, single row, non-locating bearing, 0 ribs on outer ring, 2 rib on inner ring, type N3

## Technical information

**Your current product variant**

|                           |              |                                    |
|---------------------------|--------------|------------------------------------|
| Cage                      | M1           | Two Piece Brass Cage Roller Guided |
| Tolerance class           | PN           | Normal (ISO 492:2023)              |
| Change mark               | E            | Increased Capacity Design          |
| Radial internal clearance | CN (Group N) | Normal internal clearance          |
| 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                             |
| $C_r$       | 285.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 265.000 N | Basic static load rating, radial  |
| $C_{ur}$    | 46.500 N  | Fatigue load limit, radial        |
| $\approx m$ | 3,64 kg   | Weight                            |

**Mounting dimensions**

|               |        |                              |
|---------------|--------|------------------------------|
| $D_a$         | 148 mm | Diameter of housing shoulder |
| $r_{a1 \max}$ | 2 mm   | Maximum recess radius        |

**Dimensions**





|            |        |                             |
|------------|--------|-----------------------------|
| $r_1 \min$ | 2,1 mm | Minimum chamfer dimension   |
| E          | 143 mm | Raceway diameter outer ring |



### Temperature range

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

### Characteristics

-   $F_r$  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed