

**FAG****N311-E-XL-M1-C3** [↗](#)

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 (PN)                        |
| Change mark                    | E            | Increased Capacity Design          |
| Radial internal clearance      | C3 (Group 3) | Internal clearance larger than CN  |
| Number of rolling element rows | 1            | Single-row design                  |

**Main Dimensions & Performance Data**

|             |           |                                   |
|-------------|-----------|-----------------------------------|
| d           | 55 mm     | Bore diameter                     |
| D           | 120 mm    | Outside diameter                  |
| B           | 29 mm     | Width                             |
| $C_r$       | 159.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 139.000 N | Basic static load rating, radial  |
| $C_{ur}$    | 25.500 N  | Fatigue load limit, radial        |
| $\approx m$ | 1,63 kg   | Weight                            |

**Mounting dimensions**

|               |        |                              |
|---------------|--------|------------------------------|
| $D_a$         | 109 mm | Diameter of housing shoulder |
| $r_{a1 \max}$ | 2 mm   | Maximum recess radius        |

**Dimensions**

|              |          |                             |
|--------------|----------|-----------------------------|
| $r_{1 \min}$ | 2 mm     | Minimum chamfer dimension   |
| E            | 106,5 mm | Raceway diameter outer ring |



### Temperature range

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

### Characteristics

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Radial load



Grease Lubrication



Oil Lubrication



Not sealed