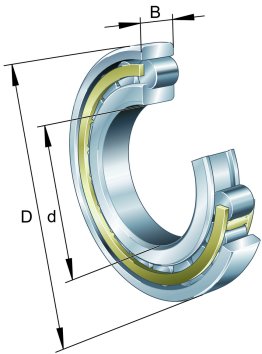


**FAG****N310-E-XL-M1-C3** [↗](#)

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 (ISO 492:2023)
Change mark	E	Increased Capacity Design
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C <sub>r</sub>	131.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	114.000 N	Basic static load rating, radial
C <sub>ur</sub>	20.100 N	Fatigue load limit, radial
≈m	1,27 kg	Weight

**Mounting dimensions**

d <sub>a</sub>	61 mm	Diameter shaft shoulder
D <sub>a</sub>	99 mm	Diameter of housing shoulder
r <sub>a1 max</sub>	2 mm	Maximum recess radius

**Dimensions**

r <sub>1 min</sub>	2 mm	Minimum chamfer dimension
E	97 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