

**FAG****N316-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	80 mm	Bore diameter
D	170 mm	Outside diameter
B	39 mm	Width
$C_r$	300,000 N	Basic dynamic load rating, radial
$C_{0r}$	275,000 N	Basic static load rating, radial
$C_{ur}$	49,500 N	Fatigue load limit, radial
$\approx m$	4.35 kg	Weight

**Mounting dimensions**

$D_a$	158 mm	Diameter of housing shoulder
$r_{a1 \max}$	2 mm	Maximum recess radius

**Dimensions**

$r_{1 \min}$	2.1 mm	Minimum chamfer dimension
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### 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