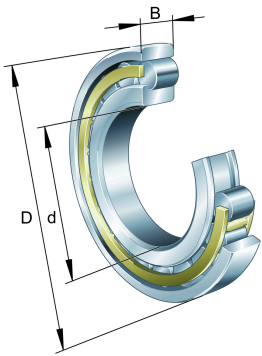


**FAG****N309-E-XL-M1** [↗](#)

## 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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
$C_r$	116,000 N	Basic dynamic load rating, radial
$C_{0r}$	99,000 N	Basic static load rating, radial
$C_{ur}$	17,300 N	Fatigue load limit, radial
$\approx m$	0.98 kg	Weight

**Mounting dimensions**

$d_a$	54 mm	Diameter shaft shoulder
	54	Diameter shaft shoulder tolerance
$D_a$	91 mm	Diameter of housing shoulder
	91	Diameter of housing shoulder tolerance

**Dimensions**

E	88.5 mm	Raceway diameter outer ring
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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