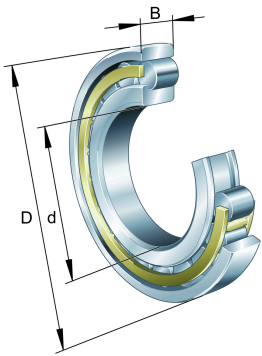


**FAG****N309-E-XL-M1-C3** [↗](#)

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	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

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