

**FAG****N316-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	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
$\approx m$	4,372 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

T_{\min} -30 °C Operating temperature min.

T_{\max} 150 °C Operating temperature max.

Characteristics



Radial load



Grease Lubrication



Oil Lubrication



Not sealed