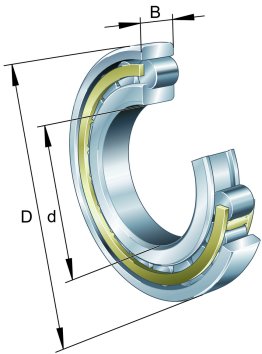


**FAG****N310-E-XL-M1-C3** [↗](#)

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_r	131,000 N	Basic dynamic load rating, radial
C_{0r}	114,000 N	Basic static load rating, radial
C_{ur}	20,100 N	Fatigue load limit, radial
$\approx m$	1.27 kg	Weight

Mounting dimensions

d_a	61 mm	Diameter shaft shoulder
D_a	99 mm	Diameter of housing shoulder
$r_{a1 \max}$	2 mm	Maximum recess radius

Dimensions

$r_{1 \min}$	2 mm	Minimum chamfer dimension
E	97 mm	Raceway diameter outer ring




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