



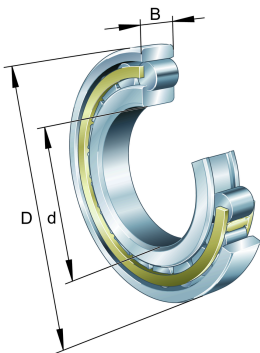
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N314-E-XL-M1 [🔗](#)

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 (PN)
Change mark	E	Increased Capacity Design
Radial internal clearance	CN (Group N)	Normal internal clearance
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	242,000 N	Basic dynamic load rating, radial
C _{0r}	222,000 N	Basic static load rating, radial
C _{ur}	39,500 N	Fatigue load limit, radial
≈m	3.05 kg	Weight

Mounting dimensions

D _a	138 mm	diameter of housing shoulder
r _{a1 max}	2 mm	Maximum recess radius

Dimensions





r _{1 min}	2.1 mm	Minimum chamfer dimension
E	133 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