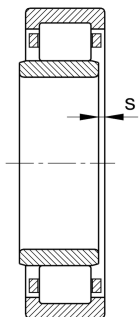
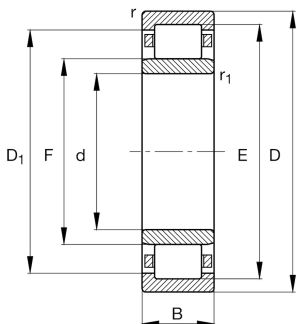
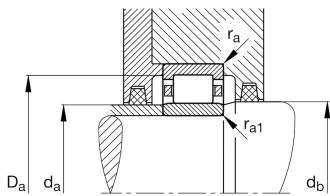
**FAG****NU314-E-XL-M1**

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Technical information



Your current product variant

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (PN)
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}	30,500 N	Fatigue load limit, radial
n _G	8,200 1/min	Limiting speed
n _{gr}	4,500 1/min	Reference speed
≈m	3.021 kg	Weight



Mounting dimensions

d _{a min}	82 mm	Minimum diameter shaft shoulder
d _{a max}	87 mm	Maximum diameter of shaft shoulder
d _{b min}	92 mm	Minimum shaft shoulder
D _{a max}	138 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
r _{a1 max}	2 mm	Maximum recess radius





Dimensions

r _{min}	2.1 mm	Minimum chamfer dimension
r _{1 min}	2.1 mm	Minimum chamfer dimension
s	1.7 mm	Axial displacement
E	133 mm	Raceway diameter outer ring
F	89 mm	Raceway diameter inner ring
D _{1 min}	126.82 mm	Minimum rib 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