

FAG

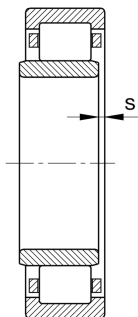
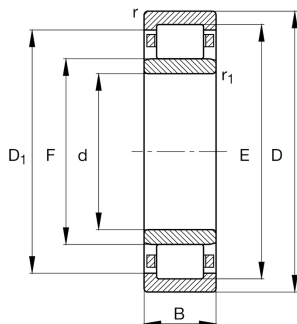
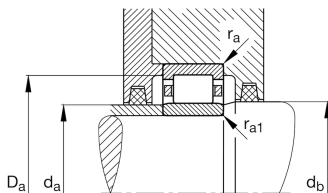
X-life

NU316-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

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	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}	37,500 N	Fatigue load limit, radial
n _G	7,200 1/min	Limiting speed
n _{gr}	4,100 1/min	Reference speed
≈m	4.37 kg	Weight



Mounting dimensions

d a min	92 mm	Minimum diameter shaft shoulder
d a max	99 mm	Maximum diameter of shaft shoulder
d b min	105 mm	Minimum shaft shoulder
D a max	158 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	0.7 mm	Axial displacement
E	151 mm	Raceway diameter outer ring
F	101 mm	Raceway diameter inner ring
D 1 min	143.94 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