

FAG

X-life

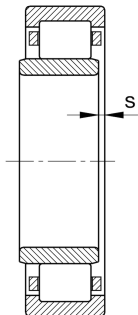
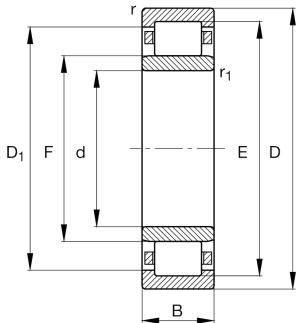
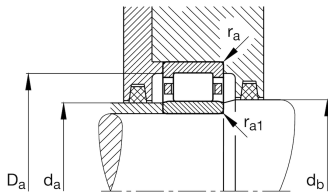
NU316-E-XL-M1-C3

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

Schaeffler ID:
0192486280030

Technical information



Your current product variant

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
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