



FAG

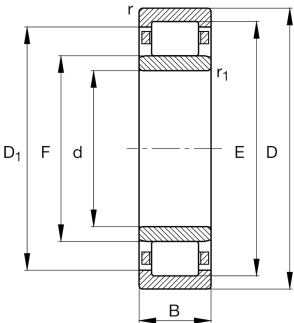
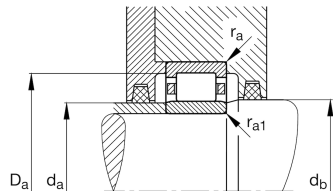
NU412-XL-M1

Cylindrical roller bearing

Cylindrical roller bearing NU..-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	Standard	
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	60 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	211,000 N	Basic dynamic load rating, radial
C _{0r}	184,000 N	Basic static load rating, radial
C _{ur}	24,900 N	Fatigue load limit, radial
n _G	8,600 1/min	Limiting speed
n _{gr}	4,800 1/min	Reference speed
≈m	3.39 kg	Weight



Mounting dimensions

d a min	74 mm	Minimum diameter shaft shoulder
d a max	82 mm	Maximum diameter of shaft shoulder
d b min	85 mm	Minimum shaft shoulder
D a max	136 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	3.4 mm	Axial displacement
E	127 mm	Raceway diameter outer ring
F	83 mm	Raceway diameter inner ring
D 1 min	119.5 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