

FAG

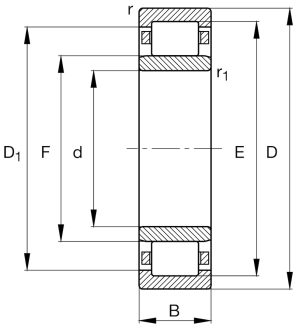
NU309-E-XL-TVP2-C3

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-TVP2, 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	TVP2	Solid Window Cage made from PA66
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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	116,000 N	Basic dynamic load rating, radial
C _{0r}	99,000 N	Basic static load rating, radial
C _{ur}	13,500 N	Fatigue load limit, radial
n _G	9,800 1/min	Limiting speed
n _{gr}	6,400 1/min	Reference speed
≈m	0.88 kg	Weight



Mounting dimensions

d a min	54 mm	Minimum diameter shaft shoulder
d a max	57 mm	Maximum diameter of shaft shoulder
d b min	60 mm	Minimum shaft shoulder
D a max	91 mm	Maximum diameter of housing shoulder
r a max	1.5 mm	Maximum recess radius
r a1 max	1.5 mm	Maximum recess radius

Dimensions

r min	1.5 mm	Minimum chamfer dimension
r 1 min	1.5 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	88.5 mm	Raceway diameter outer ring
F	58.5 mm	Raceway diameter inner ring
D 1 min	84.1 mm	Minimum rib diameter outer ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed