

FAG

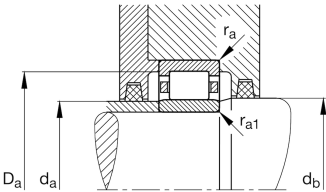
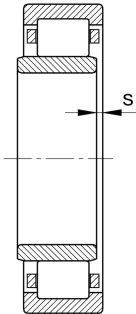
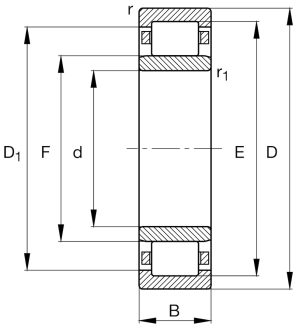
NU318-E-XL-TVP2

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	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	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C _r	370,000 N	Basic dynamic load rating, radial
C _{0r}	350,000 N	Basic static load rating, radial
C _{ur}	45,500 N	Fatigue load limit, radial
n _G	4,900 1/min	Limiting speed
n _{gr}	3,650 1/min	Reference speed
≈m	5.3 kg	Weight



Mounting dimensions

d a min	104 mm	Minimum diameter shaft shoulder
d a max	111 mm	Maximum diameter of shaft shoulder
d b min	117 mm	Minimum shaft shoulder
D a max	176 mm	Maximum diameter of housing shoulder
r a max	2.5 mm	Maximum recess radius
r a1 max	2.5 mm	Maximum recess radius

Dimensions

r min	3 mm	Minimum chamfer dimension
r 1 min	3 mm	Minimum chamfer dimension
s	1.5 mm	Axial displacement
E	169.5 mm	Raceway diameter outer ring
F	113.5 mm	Raceway diameter inner ring
D 1 min	161.6 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