

FAG

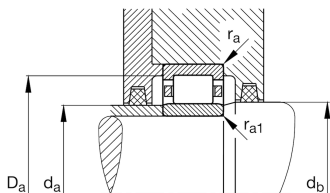
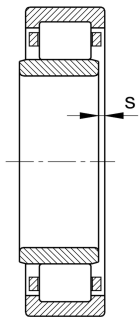
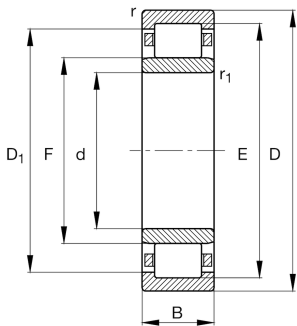
**NU2309-E-XL-TVP2**

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 &amp; Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C <sub>r</sub>	163,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	154,000 N	Basic static load rating, radial
C <sub>ur</sub>	28,500 N	Fatigue load limit, radial
n <sub>G</sub>	9,800 1/min	Limiting speed
n <sub>gr</sub>	5,200 1/min	Reference speed
≈m	1.29 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	2.5 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