



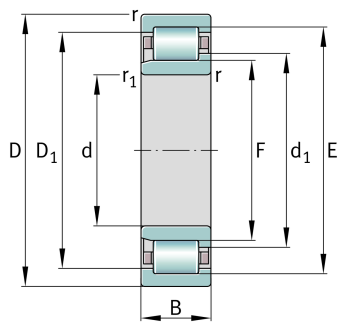
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NJ209-E-XL-TVP2 [🔗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ...-E-XL-TVP2,
with cage, single row, semi-locating bearing,
2 ribs on outer ring, 1 rib on inner ring, type
NJ

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 (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C _r	72,000 N	Basic dynamic load rating, radial
C _{0r}	63,000 N	Basic static load rating, radial
C _{ur}	10,500 N	Fatigue load limit, radial
n _G	10,200 1/min	Limiting speed
n _{gr}	7,000 1/min	Reference speed
≈m	0.432 kg	Weight



Mounting dimensions

d _{a min}	52 mm	Minimum diameter shaft shoulder
d _{a max}	54 mm	Maximum diameter of shaft shoulder
D _{a max}	78 mm	Maximum diameter of housing shoulder
d _{c min}	61 mm	Minimum shaft shoulder
r _{a max}	1 mm	Maximum recess radius

Dimensions

r _{min}	1.1 mm	Minimum chamfer dimension
r _{1 min}	1.1 mm	Minimum chamfer dimension
s	1.9 mm	Axial displacement
E	76.5 mm	Raceway diameter outer ring
F	54.5 mm	Raceway diameter inner ring
D _{1 min}	73.3 mm	Minimum rib diameter outer ring
d ₁	59 mm	Maximum rib diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Additional information

HJ209-E	L-washer
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Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed