



FAG

NJ207-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	35 mm	Bore diameter
D	72 mm	Outside diameter
B	17 mm	Width
C _r	59.000 N	Basic dynamic load rating, radial
C _{0r}	50.000 N	Basic static load rating, radial
C _{ur}	7.700 N	Fatigue load limit, radial
n _G	14.100 1/min	Limiting speed
n _{gr}	8.100 1/min	Reference speed
≈m	0,295 kg	Weight



Mounting dimensions

$d_{a\ min}$	39 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	43 mm	Maximum diameter of shaft shoulder
$D_{a\ max}$	65 mm	Maximum diameter of housing shoulder
$d_{c\ min}$	50 mm	Minimum shaft shoulder
$r_{a\ max}$	1 mm	Maximum recess radius

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_{1\ min}$	0,6 mm	Minimum chamfer dimension
s	0,7 mm	Axial displacement
E	64 mm	Raceway diameter outer ring
F	44 mm	Raceway diameter inner ring
$D_{1\ min}$	61 mm	Minimum rib diameter outer ring
d_1	48 mm	Maximum rib diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Additional information

HJ207-E	L-washer
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Characteristics

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