

**FAG****NJ202-E-XL-TVP2-C3**

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	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C_r	15,100 N	Basic dynamic load rating, radial
C_{0r}	10,400 N	Basic static load rating, radial
C_{ur}	1,630 N	Fatigue load limit, radial
n_G	31,000 1/min	Limiting speed
n_{gr}	17,900 1/min	Reference speed
m	0.048 kg	Weight



Mounting dimensions

$d_{a \min}$	17.4 mm	Minimum diameter shaft shoulder
$d_{a \max}$	18.5 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	32.6 mm	Maximum diameter of housing shoulder
$d_{c \min}$	22 mm	Minimum shaft shoulder
$r_{a \max}$	0.6 mm	Maximum recess radius

Dimensions

r_{\min}	0.6 mm	Minimum chamfer dimension
$r_{1 \min}$	0.3 mm	Minimum chamfer dimension
s	1.6 mm	Axial displacement
E	30.3 mm	Raceway diameter outer ring
F	19.3 mm	Raceway diameter inner ring
$D_{1 \min}$	28 mm	Minimum rib diameter outer ring
d_1	21.6 mm	Maximum rib diameter inner ring

Temperature range

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

Characteristics

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