

**FAG****NJ203-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	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
C_r	20.800 N	Basic dynamic load rating, radial
C_{0r}	14.600 N	Basic static load rating, radial
C_{ur}	2.220 N	Fatigue load limit, radial
n_G	26.500 1/min	Limiting speed
n_{gr}	15.300 1/min	Reference speed
m	0,072 kg	Weight



Mounting dimensions

$d_{a \min}$	21 mm	Minimum diameter shaft shoulder
$d_{a \max}$	21,5 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	36 mm	Maximum diameter of housing shoulder
$d_{c \min}$	28 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	1,2 mm	Axial displacement
E	35,1 mm	Raceway diameter outer ring
F	22,1 mm	Raceway diameter inner ring
$D_{1 \min}$	32,5 mm	Minimum rib diameter outer ring
d_1	24,7 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