

**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 (PN)
Number of rolling element 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
$\approx m$	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