

**FAG****NJ204-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	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C_r	32.500 N	Basic dynamic load rating, radial
C_{0r}	24.700 N	Basic static load rating, radial
C_{ur}	3.950 N	Fatigue load limit, radial
n_G	22.000 1/min	Limiting speed
n_{gr}	12.800 1/min	Reference speed
m	0,113 kg	Weight



Mounting dimensions

$d_{a \min}$	24 mm	Minimum diameter shaft shoulder
$d_{a \max}$	26 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	41 mm	Maximum diameter of housing shoulder
$d_{c \min}$	32 mm	Minimum shaft shoulder
$r_{a \max}$	1 mm	Maximum recess radius






Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	41,5 mm	Raceway diameter outer ring
F	26,5 mm	Raceway diameter inner ring
$D_{1 \min}$	38,8 mm	Minimum rib diameter outer ring
d_1	29,7 mm	Maximum rib diameter inner ring

Temperature range

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

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed