



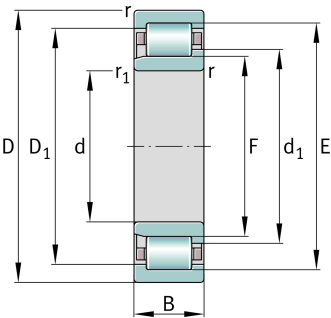
FAG

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

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