



FAG

NJ205-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

Informacje techniczne



Twoja aktualna wersja produktu

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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	34.500 N	Basic dynamic load rating, radial
C _{0r}	27.500 N	Basic static load rating, radial
C _{ur}	4.450 N	Fatigue load limit, radial
n _G	19.800 1/min	Limiting speed
n _{gr}	11.600 1/min	Reference speed
≈m	0,136 kg	Masa



Mounting dimensions

d a min	29 mm	Minimum diameter shaft shoulder
d a max	31 mm	Maximum diameter of shaft shoulder
D a max	46 mm	Maximum diameter of housing shoulder
d c min	37 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	1,2 mm	Axial displacement
E	46,5 mm	Raceway diameter outer ring
F	31,5 mm	Raceway diameter inner ring
D 1 min	43,8 mm	Minimum rib diameter outer ring
d 1	34,7 mm	Maximum rib diameter inner ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia