



FAG

NJ205-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

Informacje techniczne



Twoja aktualna wersja produktu

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	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