



FAG

NJ204-E-XL-TVP2-C4

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	C4 (Group 4)	Internal clearance larger than C3
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	Masa



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.

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia