



FAG

NUP309-E-XL-TVP2

Cylindrical roller bearing

Cylindrical roller bearing NUP...-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	116.000 N	Basic dynamic load rating, radial
C _{0r}	99.000 N	Basic static load rating, radial
C _{ur}	17.600 N	Fatigue load limit, radial
n _G	9.800 1/min	Limiting speed
n _{gr}	6.400 1/min	Reference speed
≈m	0,93 kg	Masa



Mounting dimensions

d ₁	64,4 mm	Maximum rib diameter inner ring
D _{1 min}	84,1 mm	Minimum rib diameter outer ring
d _{a min}	54 mm	Minimum diameter shaft shoulder
d _{c min}	66 mm	Minimum shaft shoulder
D _{a max}	91 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum recess radius

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
r _{1 min}	1,5 mm	Minimum chamfer dimension
E	88,5 mm	Raceway diameter outer ring
F	58,5 mm	Raceway diameter inner ring
B ₃	4,5 mm	Width of loose rib

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia