



FAG

NJ310-E-XL-M1-C3

Cylindrical roller bearing

Cylindrical roller bearing NJ...E-XL-M1, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
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	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C _r	131.000 N	Basic dynamic load rating, radial
C _{0r}	114.000 N	Basic static load rating, radial
C _{ur}	20.400 N	Fatigue load limit, radial
n _G	11.600 1/min	Limiting speed
n _{gr}	6.000 1/min	Reference speed
≈m	1,447 kg	Masa



Mounting dimensions

d _a min	61 mm	Minimum diameter shaft shoulder
d _a max	63 mm	Maximum diameter of shaft shoulder
D _a max	99 mm	Maximum diameter of housing shoulder
d _c min	73 mm	Minimum shaft shoulder

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
r _{1 min}	2 mm	Minimum chamfer dimension
s	1,7 mm	Axial displacement
E	97 mm	Raceway diameter outer ring
F	65 mm	Raceway diameter inner ring
D _{1 min}	92,48 mm	Minimum rib diameter outer ring
d ₁	71,25 mm	Maximum rib diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Additional information

HJ310-E	L-washer
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Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia