



FAG

NJ424-XL-M1

Cylindrical roller bearing

Cylindrical roller bearing NJ..-M1, 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	Standard	
Cage	M1	Two Piece Brass Cage Roller Guided
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	120 mm	Bore diameter
D	310 mm	Outside diameter
B	72 mm	Width
C _r	850.000 N	Basic dynamic load rating, radial
C _{0r}	840.000 N	Basic static load rating, radial
C _{ur}	131.000 N	Fatigue load limit, radial
n _G	3.950 1/min	Limiting speed
n _{gr}	2.200 1/min	Reference speed
≈m	32,1 kg	Masa



Mounting dimensions

d _{a min}	144 mm	Minimum diameter shaft shoulder
d _{a max}	168 mm	Maximum diameter of shaft shoulder
D _{a max}	286 mm	Maximum diameter of housing shoulder
d _{c min}	190 mm	Minimum shaft shoulder
r _{a max}	4 mm	Maximum recess radius

Dimensions

r _{min}	5 mm	Minimum chamfer dimension
r _{1 min}	5 mm	Minimum chamfer dimension
s	6,9 mm	Axial displacement
E	260 mm	Raceway diameter outer ring
F	170 mm	Raceway diameter inner ring
D _{1 min}	243,9 mm	Minimum rib diameter outer ring
d ₁	187,3 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ424	L-washer
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia