



FAG

NUP2311-E-XL-M1-C3

Cylindrical roller bearing

Cylindrical roller bearing NUP...-E-XL-M1, 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	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	55 mm	Bore diameter
D	120 mm	Outside diameter
B	43 mm	Width
C _r	235.000 N	Basic dynamic load rating, radial
C _{0r}	230.000 N	Basic static load rating, radial
C _{ur}	44.000 N	Fatigue load limit, radial
n _G	10.400 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed

≈m	2,5 kg	Masa
----	--------	------



Mounting dimensions

d_1	77,5 mm	Maximum rib diameter inner ring
$D_1 \text{ min}$	101,42 mm	Minimum rib diameter outer ring
$d_a \text{ min}$	66 mm	Minimum diameter shaft shoulder
$d_c \text{ min}$	80 mm	Minimum shaft shoulder
$D_a \text{ max}$	109 mm	Maximum diameter of housing shoulder
$r_a \text{ max}$	2 mm	Maximum recess radius

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
$r_1 \text{ min}$	2 mm	Minimum chamfer dimension
E	106,5 mm	Raceway diameter outer ring
F	70,5 mm	Raceway diameter inner ring
B_3	6,5 mm	Width of loose rib

Temperature range

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

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia