



FAG

NU311-E-XL-M1-C4

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
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	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	159.000 N	Basic dynamic load rating, radial
C _{0r}	139.000 N	Basic static load rating, radial
C _{ur}	19.500 N	Fatigue load limit, radial
n _G	10.400 1/min	Limiting speed
n _{gr}	5.500 1/min	Reference speed

≈m 1,63 kg Masa



Mounting dimensions

$d_{a\ min}$	66 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	69 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	72 mm	Minimum shaft shoulder
$D_{a\ max}$	109 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius
$r_{a1\ max}$	2 mm	Maximum recess radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1\ min}$	2 mm	Minimum chamfer dimension
s	1,8 mm	Axial displacement
E	106,5 mm	Raceway diameter outer ring
F	70,5 mm	Raceway diameter inner ring
$D_{1\ min}$	101,42 mm	Minimum rib diameter outer ring

Temperature range

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

Właściwości



Obciążenie promieniowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia