



FAG

NU220-E-XL-M1A-C3 [🔗](#)

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-M1A, 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	M1A	Two Piece Brass Cage Lip 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	100 mm	Bore diameter
D	180 mm	Outside diameter
B	34 mm	Width
C _r	295.000 N	Basic dynamic load rating, radial
C _{0r}	305.000 N	Basic static load rating, radial
C _{ur}	40.500 N	Fatigue load limit, radial
n _G	6.800 1/min	Limiting speed
n _{gr}	3.450 1/min	Reference speed
m	3,298 kg	Masa



Mounting dimensions

d a min	112 mm	Minimum diameter shaft shoulder
d a max	117 mm	Maximum diameter of shaft shoulder
d b min	122 mm	Minimum shaft shoulder
D a max	168 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	2,1 mm	Minimum chamfer dimension
r 1 min	2,1 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
E	163 mm	Raceway diameter outer ring
F	119 mm	Raceway diameter inner ring
D 1 min	156,9 mm	Minimum rib diameter outer ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	150 °C	Operating temperature max.