FAG

X-life

NU220-E-XL-MPAX-C3

Cylindrical roller bearing

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

Informacje techniczne

Twoja aktualna wersja produktu

Design	E	Increased Capacity Design
Cage	MPAX	One 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
$n_{\vartheta r}$	3.450 1/min	Reference speed
≈m	3,775 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.