



FAG

NJ2307-E-XL-MPAX-C3

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-MPAX, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

X-life

Technical information



Your current product variant

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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C_r	108.000 N	Basic dynamic load rating, radial
C_{0r}	98.000 N	Basic static load rating, radial
C_{ur}	17.500 N	Fatigue load limit, radial
n_G	14.200 1/min	Limiting speed
n_{gr}	6.600 1/min	Reference speed
$\approx m$	0,81 kg	Weight

Mounting dimensions

$d_{a \min}$	42 mm	Minimum diameter shaft shoulder
$d_{a \max}$	45 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder








Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
s	2,1 mm	Axial displacement
E	70,2 mm	Raceway diameter outer ring
F	46,2 mm	Raceway diameter inner ring
$D_{1 \min}$	66,64 mm	Minimum rib diameter outer ring
d_1	51 mm	Maximum rib diameter inner ring

Temperature range

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

Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed