



FAG

NJ2311-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 (PN)
Number of rolling element 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	2,48 kg	Weight



Mounting dimensions

$d_{a \min}$	66 mm	Minimum diameter shaft shoulder
$d_{a \max}$	69 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	109 mm	Maximum diameter of housing shoulder
$d_{c \min}$	80 mm	Minimum shaft shoulder

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
s	3,3 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
d_1	77,5 mm	Maximum rib diameter inner ring

Temperature range






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

Additional information

HJ2311-E

L-washer

Characteristics

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