



FAG

**NJ2309-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 &amp; Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C <sub>r</sub>	163.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	154.000 N	Basic static load rating, radial
C <sub>ur</sub>	28.500 N	Fatigue load limit, radial
n <sub>G</sub>	12.800 1/min	Limiting speed
n <sub>gr</sub>	5.200 1/min	Reference speed
m	1,46 kg	Weight



### Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$d_{a \max}$	57 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$d_{c \min}$	66 mm	Minimum shaft shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

### Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$r_1 \min$	1,5 mm	Minimum chamfer dimension
s	2,5 mm	Axial displacement
E	88,5 mm	Raceway diameter outer ring
F	58,5 mm	Raceway diameter inner ring
$D_1 \min$	84,12 mm	Minimum rib diameter outer ring
$d_1$	64,4 mm	Maximum rib diameter inner ring

### Temperature range






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

### Additional information

HJ2309-E

L-washer

### Characteristics

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