

**FAG****NJ2319-E-XL-MPAX-ILR-C3** [↗](#)

Cylindrical roller bearing

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

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	95 mm	Bore diameter
D	200 mm	Outside diameter
B	67 mm	Width
C_r	670.000 N	Basic dynamic load rating, radial
C_{0r}	580.000 N	Basic static load rating, radial
C_{ur}	101.000 N	Fatigue load limit, radial
n_G	6.100 1/min	Limiting speed
n_{gr}	2.800 1/min	Reference speed
$\approx m$	10,3 kg	Weight

Mounting dimensions

$d_{a \max}$	121 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	186 mm	Maximum diameter of housing shoulder






Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	5,6 mm	Axial displacement
E	177,5 mm	Raceway diameter outer ring
F	121,5 mm	Raceway diameter inner ring
$D_{1 \min}$	169,62 mm	Minimum rib diameter outer ring
d_1	132 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
	Large bearing