

**FAG****NJ2320-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 (PN)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	215 mm	Outside diameter
B	73 mm	Width
C _r	840.000 N	Basic dynamic load rating, radial
C _{0r}	720.000 N	Basic static load rating, radial
C _{ur}	125.000 N	Fatigue load limit, radial
n _G	5.600 1/min	Limiting speed
n _{gr}	2.500 1/min	Reference speed
≈m	13,4 kg	Weight

Mounting dimensions

d _{a min}	114 mm	Minimum diameter shaft shoulder
d _{a max}	125 mm	Maximum diameter of shaft shoulder
D _{a max}	201 mm	Maximum diameter of housing shoulder





Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	4,2 mm	Axial displacement
E	191,5 mm	Raceway diameter outer ring
F	127,5 mm	Raceway diameter inner ring
$D_{1 \min}$	181,95 mm	Minimum rib diameter outer ring
d_1	139,4 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