

**FAG****NJ2324-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	120 mm	Bore diameter
D	260 mm	Outside diameter
B	86 mm	Width
C_r	1.150.000 N	Basic dynamic load rating, radial
C_{0r}	1.010.000 N	Basic static load rating, radial
C_{ur}	169.000 N	Fatigue load limit, radial
n_G	4.550 1/min	Limiting speed
n_{gr}	1.980 1/min	Reference speed
m	23,2 kg	Weight

Mounting dimensions

$d_{a \max}$	151 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	246 mm	Maximum diameter of housing shoulder







Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	7,2 mm	Axial displacement
E	230 mm	Raceway diameter outer ring
F	154 mm	Raceway diameter inner ring
$D_{1 \min}$	218,7 mm	Minimum rib diameter outer ring
d_1	168,05 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