

**FAG****NJ2330-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	150 mm	Bore diameter
D	320 mm	Outside diameter
B	108 mm	Width
C_r	1.700.000 N	Basic dynamic load rating, radial
C_{0r}	1.600.000 N	Basic static load rating, radial
C_{ur}	250.000 N	Fatigue load limit, radial
n_G	3.650 1/min	Limiting speed
n_{gr}	1.460 1/min	Reference speed
$\approx m$	43,9 kg	Weight

Mounting dimensions

$D_{a \max}$	303 mm	Maximum diameter of housing shoulder
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
Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
$r_{1 \min}$	4 mm	Minimum chamfer dimension
s	9,7 mm	Axial displacement
E	283 mm	Raceway diameter outer ring
F	193 mm	Raceway diameter inner ring
$D_{1 \min}$	269,8 mm	Minimum rib diameter outer ring
d_1	209,45 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