

**FAG****NJ2317-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	85 mm	Bore diameter
D	180 mm	Outside diameter
B	60 mm	Width
C_r	570.000 N	Basic dynamic load rating, radial
C_{0r}	480.000 N	Basic static load rating, radial
C_{ur}	88.000 N	Fatigue load limit, radial
n_G	6.800 1/min	Limiting speed
n_{gr}	3.200 1/min	Reference speed
$\approx m$	7,6 kg	Weight

Mounting dimensions

$d_{a \min}$	99 mm	Minimum diameter shaft shoulder
$d_{a \max}$	106 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	155 mm	Maximum diameter of housing shoulder






Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	4,7 mm	Axial displacement
E	160 mm	Raceway diameter outer ring
F	108 mm	Raceway diameter inner ring
$D_{1 \min}$	152,72 mm	Minimum rib diameter outer ring
d_1	117,75 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