

**FAG****NJ2318-E-XL-MPAX-ILR-C5**

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	C5 (Group 5)	Internal clearance larger than C4
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width
C <sub>r</sub>	640.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	530.000 N	Basic static load rating, radial
C <sub>ur</sub>	94.000 N	Fatigue load limit, radial
n <sub>G</sub>	6.300 1/min	Limiting speed
n <sub>gr</sub>	3.000 1/min	Reference speed
≈m	9 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	104 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	113 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	176 mm	Maximum diameter of housing shoulder





## Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	4,9 mm	Axial displacement
E	169,5 mm	Raceway diameter outer ring
F	113,5 mm	Raceway diameter inner ring
$D_{1 \min}$	161,62 mm	Minimum rib diameter outer ring
$d_1$	124 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