

**FAG****NJ2318-E-XL-MPAX-ILR** [↗](#)

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	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (PN)
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
$C_r$	640.000 N	Basic dynamic load rating, radial
$C_{0r}$	530.000 N	Basic static load rating, radial
$C_{ur}$	94.000 N	Fatigue load limit, radial
$n_G$	6.300 1/min	Limiting speed
$n_{gr}$	3.000 1/min	Reference speed
$\approx m$	9 kg	Weight

**Mounting dimensions**

$d_{a \min}$	104 mm	Minimum diameter shaft shoulder
$d_{a \max}$	113 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	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