



FAG

**NJ318-E-XL-MPAX-J30PC-C3** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-MPAX,  
with cage, single row, semi-locating bearing,  
2 ribs on outer ring, 1 rib on inner ring, type  
NJ

X-life

## 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 &amp; Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C <sub>r</sub>	390.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	375.000 N	Basic static load rating, radial
C <sub>ur</sub>	65.000 N	Fatigue load limit, radial
n <sub>G</sub>	6.300 1/min	Limiting speed
n <sub>gr</sub>	3.550 1/min	Reference speed
m	6,055 kg	Weight



### Mounting dimensions

$d_{a \min}$	104 mm	Minimum diameter shaft shoulder
$d_{a \max}$	111 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	176 mm	Maximum diameter of housing shoulder
$d_{c \min}$	127 mm	Minimum shaft shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	1,5 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.

### Additional information

HJ318-E

L-washer

### Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed