



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 (PN)
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C_r	390.000 N	Basic dynamic load rating, radial
C_{0r}	375.000 N	Basic static load rating, radial
C_{ur}	65.000 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
n_{gr}	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

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