

**FAG****NJ2310-E-XL-MPAX-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	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
C <sub>r</sub>	193.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	187.000 N	Basic static load rating, radial
C <sub>ur</sub>	34.500 N	Fatigue load limit, radial
n <sub>G</sub>	10.100 1/min	Limiting speed
n <sub>gr</sub>	4.900 1/min	Reference speed
m	1,93 kg	Weight








### Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1\min}$	2 mm	Minimum chamfer dimension
s	3,2 mm	Axial displacement
E	97 mm	Raceway diameter outer ring
F	65 mm	Raceway diameter inner ring
$D_{1\min}$	92,48 mm	Minimum rib diameter outer ring
$d_1$	71,25 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