

**FAG****NJ2338-EX-TB-MPAX-ILR-C3**

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	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	190 mm	Bore diameter
D	400 mm	Outside diameter
B	132 mm	Width
C <sub>r</sub>	2.350.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	2.650.000 N	Basic static load rating, radial
C <sub>ur</sub>	290.000 N	Fatigue load limit, radial
n <sub>G</sub>	2.440 1/min	Limiting speed
n <sub>gr</sub>	1.010 1/min	Reference speed
≈m	83,6 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	210 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	237,8 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	380 mm	Maximum diameter of housing shoulder









### Dimensions

$r_{min}$	5 mm	Minimum chamfer dimension
$r_{1 min}$	5 mm	Minimum chamfer dimension
s	11 mm	Axial displacement
E	360 mm	Raceway diameter outer ring
F	240 mm	Raceway diameter inner ring
$D_{1 min}$	336 mm	Minimum rib diameter outer ring
$d_1$	264 mm	Maximum rib diameter inner ring

### Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	150 °C	Operating temperature max.

### Characteristics

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