

**FAG****NJ2338-EX-TB-M1-C3** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-M1, 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	TB	Bearings with increased axial load capacity
Cage	M1	Two Piece Brass Cage Roller 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_r	1.890.000 N	Basic dynamic load rating, radial
C_{0r}	2.650.000 N	Basic static load rating, radial
C_{ur}	290.000 N	Fatigue load limit, radial
n_G	2.440 1/min	Limiting speed
n_{gr}	1.010 1/min	Reference speed
$\approx m$	83,4 kg	Weight



Mounting dimensions

$d_{a \min}$	210 mm	Minimum diameter shaft shoulder
$d_{a \max}$	237,8 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	380 mm	Maximum diameter of housing shoulder
$d_{c \min}$	265,3 mm	Minimum shaft shoulder
$r_{a \max}$	4 mm	Maximum recess radius

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.

Additional information

HJ2338-E

L-washer



Characteristics

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