

**FAG****NJ248-E-TB-M1** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-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	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (PN)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	240 mm	Bore diameter
D	440 mm	Outside diameter
B	72 mm	Width
C_r	1.140.000 N	Basic dynamic load rating, radial
C_{0r}	1.610.000 N	Basic static load rating, radial
C_{ur}	171.000 N	Fatigue load limit, radial
n_G	2.320 1/min	Limiting speed
n_{gr}	1.220 1/min	Reference speed
$\approx m$	51,5 kg	Weight



Mounting dimensions

$d_{a \min}$	257 mm	Minimum diameter shaft shoulder
$d_{a \max}$	290 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	423 mm	Maximum diameter of housing shoulder
$d_{c \min}$	315 mm	Minimum shaft shoulder
$r_{a \max}$	3 mm	Maximum recess radius

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
$r_{1 \min}$	4 mm	Minimum chamfer dimension
s	6 mm	Axial displacement
E	393 mm	Raceway diameter outer ring
F	293 mm	Raceway diameter inner ring
$D_{1 \min}$	373 mm	Minimum rib diameter outer ring
d_1	313 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ248-E

L-washer



Characteristics

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