

**FAG****NJ1044-M1** [↗](#)

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	Standard	
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	340 mm	Outside diameter
B	56 mm	Width
C_r	510.000 N	Basic dynamic load rating, radial
C_{0r}	770.000 N	Basic static load rating, radial
C_{ur}	89.000 N	Fatigue load limit, radial
n_G	3.150 1/min	Limiting speed
n_{gr}	2.040 1/min	Reference speed
m	19 kg	Weight



Mounting dimensions

$d_{a \min}$	232 mm	Minimum diameter shaft shoulder
$d_{a \max}$	248 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	328 mm	Maximum diameter of housing shoulder
$d_{c \min}$	265 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	6,2 mm	Axial displacement
E	310 mm	Raceway diameter outer ring
F	250 mm	Raceway diameter inner ring
$D_{1 \min}$	298,9 mm	Minimum rib diameter outer ring
d_1	261,7 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