

**FAG****NJ422-XL-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	110 mm	Bore diameter
D	280 mm	Outside diameter
B	65 mm	Width
C_r	680.000 N	Basic dynamic load rating, radial
C_{0r}	660.000 N	Basic static load rating, radial
C_{ur}	107.000 N	Fatigue load limit, radial
n_G	4.450 1/min	Limiting speed
n_{gr}	2.550 1/min	Reference speed
m	22,789 kg	Weight



Mounting dimensions

$d_{a \min}$	130 mm	Minimum diameter shaft shoulder
$d_{a \max}$	153 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	260 mm	Maximum diameter of housing shoulder
$d_{c \min}$	173 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	6,2 mm	Axial displacement
E	235 mm	Raceway diameter outer ring
F	155 mm	Raceway diameter inner ring
$D_1 \min$	220,9 mm	Minimum rib diameter outer ring
d_1	170,3 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ422

L-washer

Characteristics

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