

**FAG****NJ407-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	35 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C_r	103.000 N	Basic dynamic load rating, radial
C_{0r}	83.000 N	Basic static load rating, radial
C_{ur}	14.500 N	Fatigue load limit, radial
n_G	13.600 1/min	Limiting speed
n_{gr}	7.000 1/min	Reference speed
m	1,144 kg	Weight



Mounting dimensions

$d_{a \min}$	46 mm	Minimum diameter shaft shoulder
$d_{a \max}$	52 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	89 mm	Maximum diameter of housing shoulder
$d_{c \min}$	61 mm	Minimum shaft shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
s	2,6 mm	Axial displacement
E	83 mm	Raceway diameter outer ring
F	53 mm	Raceway diameter inner ring
$D_{1 \min}$	78,2 mm	Minimum rib diameter outer ring
d_1	58,8 mm	Maximum rib diameter inner ring

Temperature range






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

Additional information

HJ407

L-washer

Characteristics

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