

**FAG****NJ1012-XL-M1** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-XL-M1, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

X-life

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	60 mm	Bore diameter
D	95 mm	Outside diameter
B	18 mm	Width
C _r	52.000 N	Basic dynamic load rating, radial
C _{0r}	55.000 N	Basic static load rating, radial
C _{ur}	9.000 N	Fatigue load limit, radial
n _G	14.800 1/min	Limiting speed
n _{gr}	6.400 1/min	Reference speed
m	469 g	Weight



Mounting dimensions

$d_{a \min}$	65 mm	Minimum diameter shaft shoulder
$d_{a \max}$	68 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	89 mm	Maximum diameter of housing shoulder
$d_{c \min}$	74 mm	Minimum shaft shoulder
$r_{a \max}$	1,1 mm	Maximum recess radius






Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1 mm	Minimum chamfer dimension
s	2,4 mm	Axial displacement
E	85,5 mm	Raceway diameter outer ring
F	69,5 mm	Raceway diameter inner ring
$D_{1 \min}$	82,3 mm	Minimum rib diameter outer ring
d_1	72,8 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