

**FAG****NJ1006-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	30 mm	Bore diameter
D	55 mm	Outside diameter
B	13 mm	Width
C <sub>r</sub>	22.900 N	Basic dynamic load rating, radial
C <sub>0r</sub>	19.300 N	Basic static load rating, radial
C <sub>ur</sub>	3.050 N	Fatigue load limit, radial
n <sub>G</sub>	25.500 1/min	Limiting speed
n <sub>gr</sub>	11.000 1/min	Reference speed
≈m	134,39 g	Weight

**Mounting dimensions**

d <sub>a min</sub>	35 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	37 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	51 mm	Maximum diameter of housing shoulder








## Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$r_{1\min}$	0,6 mm	Minimum chamfer dimension
s	1,8 mm	Axial displacement
E	48,5 mm	Raceway diameter outer ring
F	36,5 mm	Raceway diameter inner ring
$D_{1\min}$	46,1 mm	Minimum rib diameter outer ring
$d_1$	38,9 mm	Maximum rib diameter inner ring

## Temperature range

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

## Characteristics

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