

**FAG****NJ419-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 &amp; Performance Data

d	95 mm	Bore diameter
D	240 mm	Outside diameter
B	55 mm	Width
$C_r$	495.000 N	Basic dynamic load rating, radial
$C_{0r}$	470.000 N	Basic static load rating, radial
$C_{ur}$	81.000 N	Fatigue load limit, radial
$n_G$	5.200 1/min	Limiting speed
$n_{gr}$	3.200 1/min	Reference speed
$\approx m$	13,9 kg	Weight



### Mounting dimensions

$d_{a \min}$	115 mm	Minimum diameter shaft shoulder
$d_{a \max}$	132 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	220 mm	Maximum diameter of housing shoulder
$d_{c \min}$	149 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	5,2 mm	Axial displacement
E	201,5 mm	Raceway diameter outer ring
F	133,5 mm	Raceway diameter inner ring
$D_{1 \min}$	189,7 mm	Minimum rib diameter outer ring
$d_1$	146,8 mm	Maximum rib diameter inner ring

### Temperature range






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

### Additional information

HJ419

L-washer

### Characteristics

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