

**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 (PN)
Number of rolling element 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