

**FAG****NJ415-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	75 mm	Bore diameter
D	190 mm	Outside diameter
B	45 mm	Width
$C_r$	325.000 N	Basic dynamic load rating, radial
$C_{0r}$	295.000 N	Basic static load rating, radial
$C_{ur}$	51.000 N	Fatigue load limit, radial
$n_G$	6.700 1/min	Limiting speed
$n_{gr}$	4.100 1/min	Reference speed
$\approx m$	7,105 kg	Weight



### Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter shaft shoulder
$d_{a \max}$	103 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	174 mm	Maximum diameter of housing shoulder
$d_{c \min}$	118 mm	Minimum shaft shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$r_{1 \min}$	3 mm	Minimum chamfer dimension
s	4,5 mm	Axial displacement
E	160,5 mm	Raceway diameter outer ring
F	104,5 mm	Raceway diameter inner ring
$D_{1 \min}$	150,7 mm	Minimum rib diameter outer ring
$d_1$	115,8 mm	Maximum rib diameter inner ring

### Temperature range

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

### Additional information

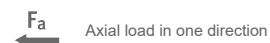
HJ415

L-washer

### Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Oil Lubrication



Not sealed