



FAG

**NJ316-E-XL-M1-C3**

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-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	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	39 mm	Width
$C_r$	300.000 N	Basic dynamic load rating, radial
$C_{0r}$	275.000 N	Basic static load rating, radial
$C_{ur}$	50.000 N	Fatigue load limit, radial
$n_G$	7.200 1/min	Limiting speed
$n_{gr}$	4.100 1/min	Reference speed
$m$	4,46 kg	Weight



### Mounting dimensions

$d_{a \min}$	92 mm	Minimum diameter shaft shoulder
$d_{a \max}$	99 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	158 mm	Maximum diameter of housing shoulder
$d_{c \min}$	114 mm	Minimum shaft shoulder
$r_{a \max}$	2 mm	Maximum recess radius

### Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	2,1 mm	Minimum chamfer dimension
s	0,7 mm	Axial displacement
E	151 mm	Raceway diameter outer ring
F	101 mm	Raceway diameter inner ring
$D_{1 \min}$	143,94 mm	Minimum rib diameter outer ring
$d_1$	110,4 mm	Maximum rib diameter inner ring

### Temperature range

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

### Additional information

HJ316-E

L-washer

### Characteristics

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