



FAG

**NJ317-E-XL-TVP2**

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-TVP2,  
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	TVP2	Solid Window Cage made from PA66
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	85 mm	Bore diameter
D	180 mm	Outside diameter
B	41 mm	Width
C <sub>r</sub>	320,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	300,000 N	Basic static load rating, radial
C <sub>ur</sub>	54,000 N	Fatigue load limit, radial
n <sub>G</sub>	5,200 1/min	Limiting speed
n <sub>gr</sub>	3,900 1/min	Reference speed
m	4.61 kg	Weight



### Mounting dimensions

$d_{a \min}$	99 mm	Minimum diameter shaft shoulder
$d_{a \max}$	106 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	166 mm	Maximum diameter of housing shoulder
$d_{c \min}$	119 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	1.3 mm	Axial displacement
E	160 mm	Raceway diameter outer ring
F	108 mm	Raceway diameter inner ring
$D_{1 \min}$	152.7 mm	Minimum rib diameter outer ring
$d_1$	117.8 mm	Maximum rib diameter inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Additional information

HJ317-E

L-washer

### Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Oil Lubrication



Not sealed