



FAG

**NJ311-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	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C <sub>r</sub>	159,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	139,000 N	Basic static load rating, radial
C <sub>ur</sub>	25,500 N	Fatigue load limit, radial
n <sub>G</sub>	8,000 1/min	Limiting speed
n <sub>gr</sub>	5,500 1/min	Reference speed
m	1.48 kg	Weight



### Mounting dimensions

$d_{a \text{ min}}$	66 mm	Minimum diameter shaft shoulder
$d_{a \text{ max}}$	69 mm	Maximum diameter of shaft shoulder
$D_{a \text{ max}}$	109 mm	Maximum diameter of housing shoulder
$d_{c \text{ min}}$	80 mm	Minimum shaft shoulder
$r_{a \text{ max}}$	2 mm	Maximum recess radius

### Dimensions

$r_{\text{min}}$	2 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2 mm	Minimum chamfer dimension
s	1.8 mm	Axial displacement
E	106.5 mm	Raceway diameter outer ring
F	70.5 mm	Raceway diameter inner ring
$D_{1 \text{ min}}$	101.4 mm	Minimum rib diameter outer ring
$d_1$	77.5 mm	Maximum rib diameter inner ring

### Temperature range

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

### Additional information

HJ311-E

L-washer

### Characteristics

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