



FAG

**NJ216-E-XL-TVP2-C3**

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	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
C <sub>r</sub>	166.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	168.000 N	Basic static load rating, radial
C <sub>ur</sub>	29.500 N	Fatigue load limit, radial
n <sub>G</sub>	7.000 1/min	Limiting speed
n <sub>gr</sub>	4.200 1/min	Reference speed
≈m	1,55 kg	Weight



### Mounting dimensions

$d_{a \text{ min}}$	91 mm	Minimum diameter shaft shoulder
$d_{a \text{ max}}$	94 mm	Maximum diameter of shaft shoulder
$D_{a \text{ max}}$	129 mm	Maximum diameter of housing shoulder
$d_{c \text{ min}}$	104 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	1,3 mm	Axial displacement
E	127,3 mm	Raceway diameter outer ring
F	95,3 mm	Raceway diameter inner ring
$D_{1 \text{ min}}$	122,9 mm	Minimum rib diameter outer ring
$d_1$	101,5 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

HJ216-E

L-washer

### Characteristics

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