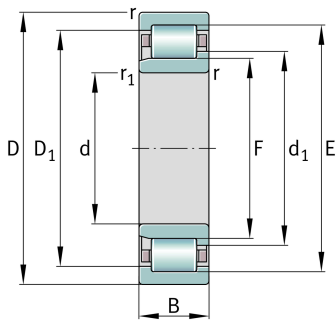


**FAG****NJ202-E-XL-TVP2-C3**

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

## 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 (ISO 492:2023)
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
$C_r$	15.100 N	Basic dynamic load rating, radial
$C_{0r}$	10.400 N	Basic static load rating, radial
$C_{ur}$	1.630 N	Fatigue load limit, radial
$n_G$	31.000 1/min	Limiting speed
$n_{gr}$	17.900 1/min	Reference speed
$m$	0,048 kg	Weight



### Mounting dimensions

$d_{a \min}$	17,4 mm	Minimum diameter shaft shoulder
$d_{a \max}$	18,5 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	32,6 mm	Maximum diameter of housing shoulder
$d_{c \min}$	22 mm	Minimum shaft shoulder
$r_{a \max}$	0,6 mm	Maximum recess radius






### Dimensions

$r_{\min}$	0,6 mm	Minimum chamfer dimension
$r_{1 \min}$	0,3 mm	Minimum chamfer dimension
s	1,6 mm	Axial displacement
E	30,3 mm	Raceway diameter outer ring
F	19,3 mm	Raceway diameter inner ring
$D_{1 \min}$	28 mm	Minimum rib diameter outer ring
$d_1$	21,6 mm	Maximum rib diameter inner ring

### Temperature range

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

### Characteristics

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