

**FAG****N307-E-XL-TVP2** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing N3..-E-TVP2, with cage, single row, non-locating bearing, 0 ribs on outer ring, 2 rib on inner ring, type N3

## Technical information

**Your current product variant**

Cage	TVP2	Solid Window Cage made from PA66
Tolerance class	PN	Normal (ISO 492:2023)
Change mark	E	Increased Capacity Design
Radial internal clearance	CN (Group N)	Normal internal clearance
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C <sub>r</sub>	76.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	63.000 N	Basic static load rating, radial
C <sub>ur</sub>	10.800 N	Fatigue load limit, radial
n <sub>G Grease</sub>	10.700 1/min	Limiting speed for grease lubrication
n <sub>G Oil</sub>	12.600 1/min	Limiting speed for oil lubrication
≈m	485 g	Weight

**Mounting dimensions**

d <sub>a</sub>	42 mm	Diameter shaft shoulder
D <sub>a</sub>	71 mm	Diameter of housing shoulder
r <sub>a1 max</sub>	1,5 mm	Maximum recess radius



### Dimensions

$r_{1 \text{ min}}$	1,1 mm	Minimum chamfer dimension
$s_1$	0,6 mm	Axial displacement
E	70,2 mm	Raceway diameter outer ring

### Temperature range

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

### Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed