

**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_r	76.000 N	Basic dynamic load rating, radial
C_{0r}	63.000 N	Basic static load rating, radial
C_{ur}	10.800 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	10.700 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	12.600 1/min	Limiting speed for oil lubrication
$\approx m$	485 g	Weight

Mounting dimensions

d_a	42 mm	Diameter shaft shoulder
D_a	71 mm	Diameter of housing shoulder
$r_{a1 \text{ max}}$	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_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Characteristics

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