

**FAG****N310-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 (PN)
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	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C <sub>r</sub>	128.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	110.000 N	Basic static load rating, radial
C <sub>ur</sub>	20.400 N	Fatigue load limit, radial
n <sub>G Grease</sub>	7.600 1/min	Limiting speed for grease lubrication
n <sub>G Oil</sub>	8.900 1/min	Limiting speed for oil lubrication
≈m	1,13 kg	Weight

**Mounting dimensions**

d <sub>a</sub>	61 mm	Diameter shaft shoulder
D <sub>a</sub>	99 mm	Diameter of housing shoulder
r <sub>a1 max</sub>	2 mm	Maximum recess radius



### Dimensions

$r_{1 \text{ min}}$	2 mm	Minimum chamfer dimension
$s_1$	1,7 mm	Axial displacement
E	97 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