

**FAG****N311-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	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
$C_r$	159.000 N	Basic dynamic load rating, radial
$C_{0r}$	139.000 N	Basic static load rating, radial
$C_{ur}$	26.000 N	Fatigue load limit, radial
$n_G$ Grease	6.800 1/min	Limiting speed for grease lubrication
$n_G$ Oil	8.000 1/min	Limiting speed for oil lubrication
$\approx m$	1,45 kg	Weight

**Mounting dimensions**

$d_a$	66 mm	Diameter shaft shoulder
$D_a$	109 mm	Diameter of housing shoulder
$r_{a1 \max}$	2 mm	Maximum recess radius







### Dimensions

$r_1 \text{ min}$	2 mm	Minimum chamfer dimension
$s_1$	1,8 mm	Axial displacement
E	106,5 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