

**FAG****N309-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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	116.000 N	Basic dynamic load rating, radial
C _{0r}	99.000 N	Basic static load rating, radial
C _{ur}	17.600 N	Fatigue load limit, radial
n _{G Grease}	8.300 1/min	Limiting speed for grease lubrication
n _{G Oil}	9.800 1/min	Limiting speed for oil lubrication
≈m	0,87 kg	Weight

Mounting dimensions

d _a	54 mm	Diameter shaft shoulder
D _a	91 mm	Diameter of housing shoulder
r _{a1 max}	1,5 mm	Maximum recess radius







Dimensions

$r_{1 \text{ min}}$	1,5 mm	Minimum chamfer dimension
s_1	1 mm	Axial displacement
E	88,5 mm	Raceway diameter outer ring

Temperature range

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

Characteristics

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