

**FAG****N314-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	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	242,000 N	Basic dynamic load rating, radial
C _{0r}	222,000 N	Basic static load rating, radial
C _{ur}	40,500 N	Fatigue load limit, radial
n _G Grease	5,400 1/min	Limiting speed for grease lubrication
n _G Oil	6,300 1/min	Limiting speed for oil lubrication
≈m	2.72 kg	Weight

Mounting dimensions

d _a	82 mm	Diameter shaft shoulder
D _a	138 mm	Diameter of housing shoulder
r _{a1} max	2.1 mm	Maximum recess radius



Dimensions

$r_{1 \text{ min}}$	2.1 mm	Minimum chamfer dimension
s_1	1.6 mm	Axial displacement
E	133 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