



FAG

NU216-E-XL-TVP2-C3

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-TVP2, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Technical information



Your current product variant

Design	E	Increased Capacity Design
Cage	TVP2	Solid Window Cage made from PA66
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
C _r	166,000 N	Basic dynamic load rating, radial
C _{0r}	168,000 N	Basic static load rating, radial
C _{ur}	23,100 N	Fatigue load limit, radial
n _G	7,000 1/min	Limiting speed
n _{gr}	4,200 1/min	Reference speed
m	1.51 kg	Weight



Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter shaft shoulder
$d_{a \max}$	94 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	97 mm	Minimum shaft shoulder
$D_{a \max}$	129 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius
$r_{a1 \max}$	2 mm	Maximum recess radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
s	1.3 mm	Axial displacement
E	127.3 mm	Raceway diameter outer ring
F	95.3 mm	Raceway diameter inner ring
$D_{1 \min}$	122.9 mm	Minimum rib 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