



FAG

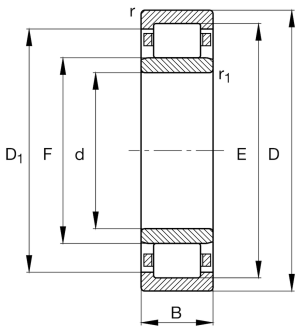
NU311-E-XL-TVP2-C3

Zylinderrollenlager

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

Technische Informationen



Your current product variant

Ausführung	E	Verstärkte Ausführung
Käfig	TVP2	Massiver Fensterkäfig aus PA66
Radialluft	C3 (Gruppe 3)	Lagerluft größer als CN
Toleranzklasse	PN	Normal (ISO 492:2023)
Anzahl Wälzkörper-Reihen	1	Einreihig

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}	19.500 N	Fatigue load limit, radial
n _G	8.000 1/min	Limiting speed
n _{gr}	5.500 1/min	Reference speed
m	1,45 kg	Weight



Mounting dimensions

$d_{a \min}$	66 mm	Minimum diameter shaft shoulder
$d_{a \max}$	69 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	72 mm	Minimum shaft shoulder
$D_{a \max}$	109 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	1,8 mm	Axial displacement
E	106,5 mm	Raceway diameter outer ring
F	70,5 mm	Raceway diameter inner ring
$D_{1 \min}$	101,4 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