



FAG

NU311-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167399220000Cylindrical 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

X-life

Technical information



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
	1.45 kg	Weight

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

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

Temperature range

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

