



FAG

## NUP311-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:  
0167415360000

Cylindrical roller bearing NUP.-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

## Technical information



## Main Dimensions &amp; 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
$C_{ur}$	26,000 N	Fatigue load limit, radial
$n_G$	8,000 1/min	Limiting speed
$n_{gr}$	5,500 1/min	Reference speed
	1.52 kg	Weight

## Dimensions

$r_{min}$	2 mm	Minimum chamfer dimension
$r_{1min}$	2 mm	Minimum chamfer dimension
E	106.5 mm	Raceway diameter outer ring
F	70.5 mm	Raceway diameter inner ring
$B_3$	5 mm	Width of loose rib

## Mounting dimensions

$d_1$	77.5 mm	Maximum rib diameter inner ring
$D_{1min}$	101.4 mm	Minimum rib diameter outer ring
$d_{amin}$	66 mm	Minimum diameter shaft shoulder
$d_{cmin}$	80 mm	Minimum shaft shoulder
$D_{amax}$	109 mm	Maximum diameter of housing shoulder
$r_{amax}$	2 mm	Maximum recess radius

## Temperature range

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

