



FAG

**NUP220-E-XL-TVP2**

Cylindrical roller bearing

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



## Your current product variant

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

## Main Dimensions &amp; Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	34 mm	Width
$C_r$	295.000 N	Basic dynamic load rating, radial
$C_{0r}$	305.000 N	Basic static load rating, radial
$C_{ur}$	52.000 N	Fatigue load limit, radial
$n_G$	5.300 1/min	Limiting speed
$n_{gr}$	3.450 1/min	Reference speed
$m$	3,55 kg	Weight



### Mounting dimensions

$d_1$	127,3 mm	Maximum rib diameter inner ring
$D_{1 \text{ min}}$	156,9 mm	Minimum rib diameter outer ring
$d_{a \text{ min}}$	112 mm	Minimum diameter shaft shoulder
$d_{c \text{ min}}$	130 mm	Minimum shaft shoulder
$D_{a \text{ max}}$	168 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	2,1 mm	Maximum recess radius

### Dimensions

$r_{\text{min}}$	2,1 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2,1 mm	Minimum chamfer dimension
E	163 mm	Raceway diameter outer ring
F	119 mm	Raceway diameter inner ring
$B_3$	5 mm	Width of loose rib

### Temperature range

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

### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed