

**FAG****NUP205-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 & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C_r	34,500 N	Basic dynamic load rating, radial
C_{0r}	27,500 N	Basic static load rating, radial
C_{ur}	4,450 N	Fatigue load limit, radial
n_G	19,800 1/min	Limiting speed
n_{gr}	11,600 1/min	Reference speed
$\approx m$	0.129 kg	Weight



Mounting dimensions

d_1	34.7 mm	Maximum rib diameter inner ring
$D_{1 \text{ min}}$	43.8 mm	Minimum rib diameter outer ring
$d_{a \text{ min}}$	29 mm	Minimum diameter shaft shoulder
$d_{c \text{ min}}$	37 mm	Minimum shaft shoulder
$D_{a \text{ max}}$	46 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	1 mm	Maximum recess radius

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	0.6 mm	Minimum chamfer dimension
E	46.5 mm	Raceway diameter outer ring
F	31.5 mm	Raceway diameter inner ring
B_3	3 mm	Width of loose rib

Temperature range

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