



FAG

NUP203-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 (PN)
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
C_r	20.800 N	Basic dynamic load rating, radial
C_{0r}	14.600 N	Basic static load rating, radial
C_{ur}	2.230 N	Fatigue load limit, radial
n_G	26.500 1/min	Limiting speed
n_{gr}	15.300 1/min	Reference speed
$\approx m$	0,07 kg	Weight



Mounting dimensions

d_1	24,7 mm	Maximum rib diameter inner ring
$D_1 \text{ min}$	32,5 mm	Minimum rib diameter outer ring
$d_a \text{ min}$	21 mm	Minimum diameter shaft shoulder
$d_c \text{ min}$	28 mm	Minimum shaft shoulder
$D_a \text{ max}$	36 mm	Maximum diameter of housing shoulder
$r_a \text{ max}$	0,6 mm	Maximum recess radius







Dimensions

r_{min}	0,6 mm	Minimum chamfer dimension
$r_1 \text{ min}$	0,3 mm	Minimum chamfer dimension
E	35,1 mm	Raceway diameter outer ring
F	22,1 mm	Raceway diameter inner ring
B_3	2,5 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