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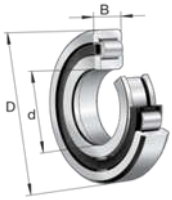


FAG

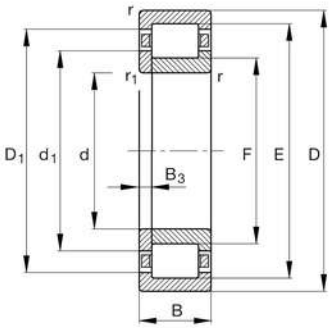
NUP307-E-XL-TVP2

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

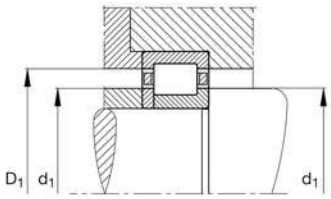
X-life

Technical information



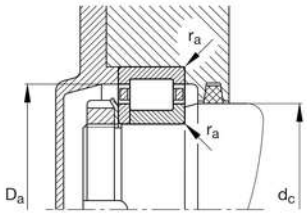
Your current product variant

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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C_r	76,000 N	Basic dynamic load rating, radial
C_{0r}	63,000 N	Basic static load rating, radial
C_{ur}	10,800 N	Fatigue load limit, radial
n_G	12,600 1/min	Limiting speed
$n_{\vartheta r}$	7,900 1/min	Reference speed
≈m	0.464 kg	Weight



The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Mounting dimensions

d_1	51 mm	Maximum rib diameter inner ring
$D_{1\ min}$	66.6 mm	Minimum rib diameter outer ring
$d_{a\ min}$	42 mm	Minimum diameter shaft shoulder
$d_{c\ min}$	53 mm	Minimum shaft shoulder
$D_{a\ max}$	71 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1.5 mm	Maximum recess radius

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
$r_{1\ min}$	1.1 mm	Minimum chamfer dimension
E	70.2 mm	Raceway diameter outer ring
F	46.2 mm	Raceway diameter inner ring
B_3	3.5 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

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