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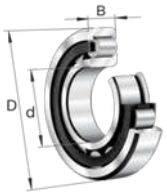


FAG

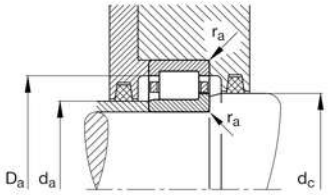
NJ2314-E-XL-TVP2

Cylindrical roller bearing

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

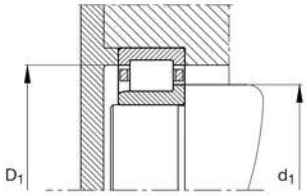
X-life

Technical information



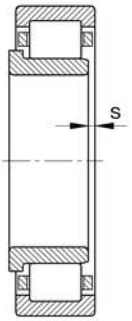
Your current product variant

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	70 mm	Bore diameter
D	150 mm	Outside diameter
B	51 mm	Width
C_r	325,000 N	Basic dynamic load rating, radial
C_{0r}	325,000 N	Basic static load rating, radial
C_{ur}	60,000 N	Fatigue load limit, radial
n_G	6,300 1/min	Limiting speed
$n_{\vartheta r}$	3,800 1/min	Reference speed
≈m	4.05 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

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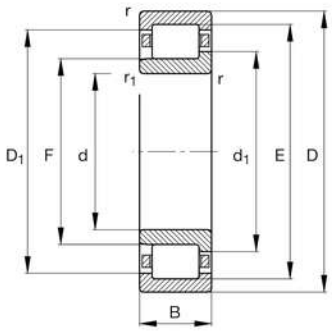

Mounting dimensions

$d_{a\ min}$	82 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	87 mm	Maximum diameter of shaft shoulder
$D_{a\ max}$	138 mm	Maximum diameter of housing shoulder
$d_{c\ min}$	100 mm	Minimum shaft shoulder
$r_{a\ max}$	2.1 mm	Maximum recess radius

Dimensions

r_{min}	2.1 mm	Minimum chamfer dimension
$r_{1\ min}$	2.1 mm	Minimum chamfer dimension
s	4.7 mm	Axial displacement
E	133 mm	Raceway diameter outer ring
F	89 mm	Raceway diameter inner ring
$D_{1\ min}$	126.8 mm	Minimum rib diameter outer ring
d_1	97.4 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

	HJ2314-E	L-washer

Characteristics

- Radial load
- Axial load in one direction
- Grease Lubrication
- Oil Lubrication
- Not sealed

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