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24.01.2025, 09:22:55 CET

SCHAEFFLER



FAG

X-life

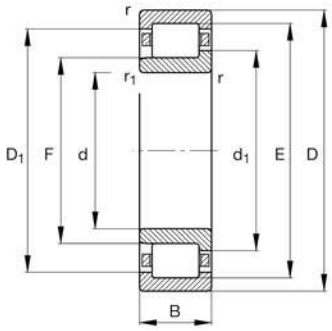
NJ324-E-XL-M1-C3

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-M1, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

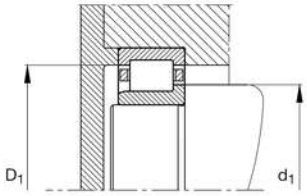
Schaeffler ID:
0192291940030

Technical information



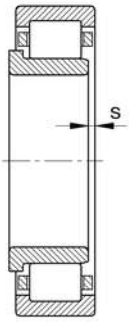
Your current product variant

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rolling element rows	1	Single-row design

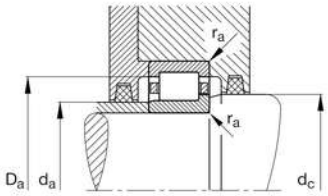


Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	260 mm	Outside diameter
B	55 mm	Width
C_r	610.000 N	Basic dynamic load rating, radial
C_{0r}	600.000 N	Basic static load rating, radial
C_{ur}	97.000 N	Fatigue load limit, radial
n_G	4.550 1/min	Limiting speed
$n_{\vartheta r}$	2.650 1/min	Reference speed
≈m	14,62 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

$d_{a\ min}$	134 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	151 mm	Maximum diameter of shaft shoulder
$D_{a\ max}$	246 mm	Maximum diameter of housing shoulder
$d_{c\ min}$	171 mm	Minimum shaft shoulder
$r_{a\ max}$	2,5 mm	Maximum recess radius

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
$r_{1\ min}$	3 mm	Minimum chamfer dimension
s	3,5 mm	Axial displacement
E	230 mm	Raceway diameter outer ring
F	154 mm	Raceway diameter inner ring
$D_{1\ min}$	218,7 mm	Minimum rib diameter outer ring
d_1	168,05 mm	Maximum rib diameter inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.

Additional information

	HJ324-E	L-washer

Characteristics

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

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