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24.01.2025, 09:21:44 CET

SCHAEFFLER



FAG

X-life

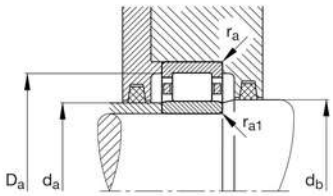
NU310-E-XL-M1-C3

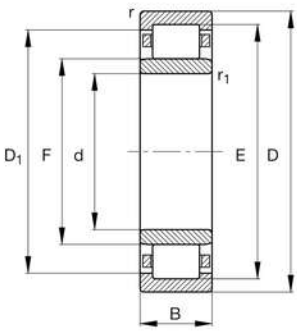
Cylindrical roller bearing

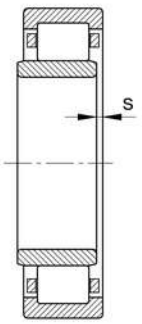
Cylindrical roller bearing NU..-E-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

Schaeffler ID:
0167398760030

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	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C_r	131.000 N	Basic dynamic load rating, radial
C_{0r}	114.000 N	Basic static load rating, radial
C_{ur}	15.700 N	Fatigue load limit, radial
n_G	11.600 1/min	Limiting speed
$n_{\vartheta r}$	6.000 1/min	Reference speed
≈m	1,255 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

$d_{a\ min}$	61 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	63 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	67 mm	Minimum shaft shoulder
$D_{a\ max}$	99 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius
$r_{a1\ max}$	2 mm	Maximum recess radius

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
$r_{1\ min}$	2 mm	Minimum chamfer dimension
s	1,7 mm	Axial displacement
E	97 mm	Raceway diameter outer ring
F	65 mm	Raceway diameter inner ring
$D_{1\ min}$	92,48 mm	Minimum rib diameter outer ring

Temperature range

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

Characteristics



Radial load


Grease Lubrication


Oil Lubrication


Not sealed

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