



FAG

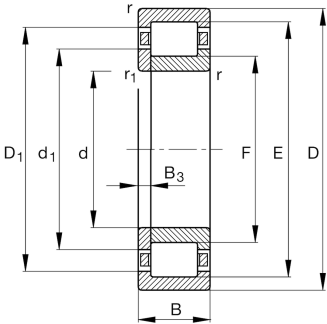
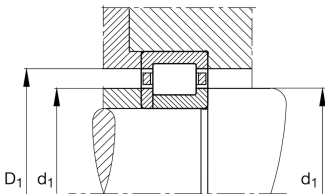
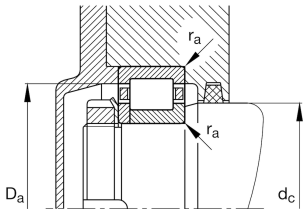
NUP314-E-XL-M1-C3

Cylindrical roller bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

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 (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	242.000 N	Basic dynamic load rating, radial
C _{0r}	222.000 N	Basic static load rating, radial
C _{ur}	40.500 N	Fatigue load limit, radial
n _G	8.200 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed

≈m	3,18 kg	Masa
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Mounting dimensions

d_1	97,35 mm	Maximum rib diameter inner ring
$D_{1\min}$	126,82 mm	Minimum rib diameter outer ring
$d_{a\min}$	82 mm	Minimum diameter shaft shoulder
$d_{c\min}$	100 mm	Minimum shaft shoulder
$D_{a\max}$	138 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum recess radius

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1\min}$	2,1 mm	Minimum chamfer dimension
E	133 mm	Raceway diameter outer ring
F	89 mm	Raceway diameter inner ring
B_3	5,5 mm	Width of loose rib

Temperature range

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

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia