



NU 319 ECM/C3VL0241

Popular item

INSOCOAT cylindrical roller bearings, single row

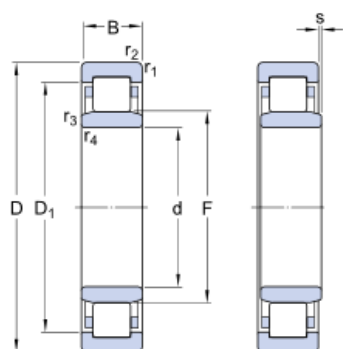
Bearing data

[Tolerances](#),
Normal,
[Radial internal clearance](#),
table

Bearing interfaces

[Seat tolerances for standard
conditions](#),
[Tolerances and resultant fit](#)

Technical specification

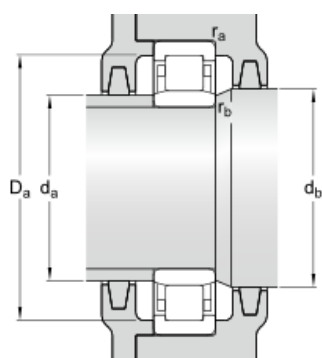


DIMENSIONS

d	95 mm
D	200 mm
B	45 mm
D ₁	≈ 170 mm
F	121.5 mm
s	max. 2.9 mm
r _{1,2}	min. 3 mm
r _{3,4}	min. 3 mm

ABUTMENT DIMENSIONS

d _a	min. 109 mm
d _a	max. 118 mm
d _b	min. 124 mm
D _a	min. 175 mm
D _a	max. 186 mm
r _a	max. 2.5 mm
r _b	max. 2.5 mm



CALCULATION DATA

Basic dynamic load rating	C	390 kN
Basic static load rating	C ₀	390 kN
Fatigue load limit	P _u	46.5 kN
Reference speed		3 600 r/min
Limiting speed		4 300 r/min
Calculation factor	k _r	0.15

MASS

Mass bearing	7.25 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	Bearing Select
Bearing data	General bearing knowledge	Engineering Calculator
Loads	Bearing selection process	SimPro Quick
Temperature limits	Bearing interfaces	LubeSelect for SKF greases
Permissible speed	Seat tolerances for standard conditions	Heater selection tool
Design considerations	Selecting internal clearance	Rolling bearings mounting and dismounting instructions
Mounting	Lubrication	
Designation system	External sealing, mounting and dismounting	
	Bearing failure and how to prevent it	

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