



NU 319 ECM/C3VL0241

Popular item

INSOCOAT cylindrical roller bearings, single row

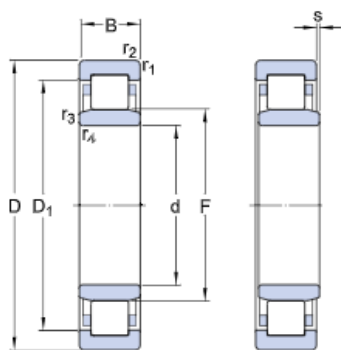
Bearing data

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

Bearing interfaces

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

Technical specification

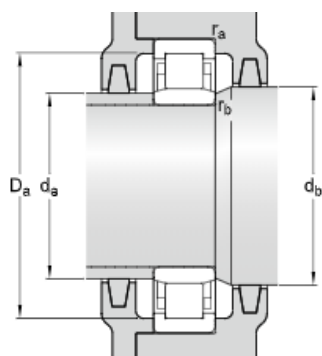


DIMENSIONS

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