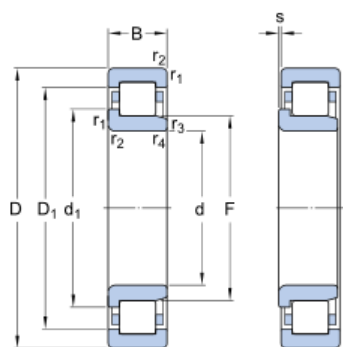




NJ 311 ECJ

Cylindrical roller bearings, single row

Technical Specification

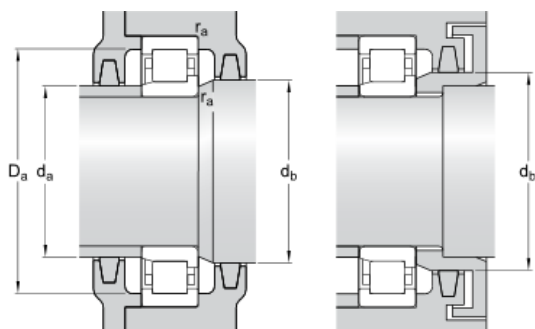


DIMENSIONS

d	55 mm
D	120 mm
d ₁	77.5 mm
D ₁	100.3 mm
F	70.5 mm
r _{1,2}	2 mm
r _{3,4}	2 mm
s max.	2 mm

ABUTMENT DIMENSIONS

d _a	65 mm
d _b	80 mm
D _a	109.2 mm
r _a	2 mm



CALCULATION DATA

Basic dynamic load rating	C	156 kN
Basic static load rating	C ₀	143 kN
Fatigue load limit	P _u	18.6 kN
Reference speed		6000 r/min
Limiting speed		7000 r/min
Calculation factor	k _r	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	1.53 kg
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ASSOCIATED PRODUCTS

Angle ring	HJ 311 EC
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater selection tool
Design considerations		Oil Injection Method Program
Designation system		Rolling bearings mounting and dismounting instructions

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