

NU 311 ECP

SKF Explorer

Cylindrical roller bearings, single row

Bearing data

Tolerances,

Normal (metric), P6, Normal (inch),

Radial internal clearance,

cylindrical bore, tapered bore,

Axial internal clearance,

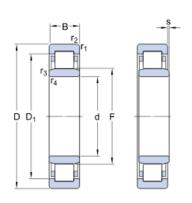
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

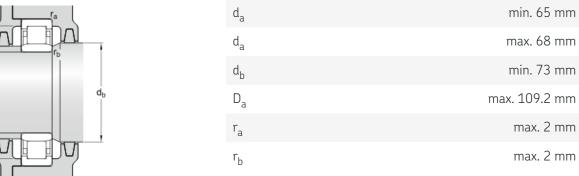
Technical specification

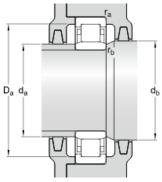


DIMENSIONS

d	55 mm
D	120 mm
В	29 mm
D_1	≈ 100.3 mm
F	70.5 mm
r _{1,2}	min. 2 mm
r _{3,4}	min. 2 mm
S	max. 2 mm

ABUTMENT DIMENSIONS







CALCULATION DATA

Basic dynamic load rating	С	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	е	0.2
Axial load factor	Υ	0.6

MASS

Mass bearing	1.44 kg
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ASSOCIATED PRODUCTS

Angle ring	HJ 311 EC
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5KF.



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	LubeSelect for SKF greases
Permissible speed	prevent it	Heater selection tool
Design considerations		Oil Injection Method
Designation system		Program
		Rolling bearings mounting and dismounting instructions





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