

NJ 311 ECML

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,

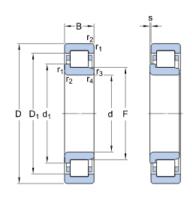
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

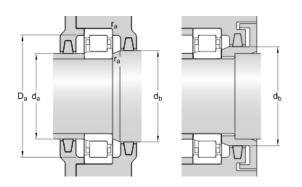


DIMENSIONS

d	55 mm
D	120 mm
В	29 mm
d_1	≈ 77.5 mm
D_1	≈ 101 mm
F	70.5 mm
r _{1,2}	min. 2 mm
r _{3,4}	min. 2 mm
S	max. 2 mm

ABUTMENT DIMENSIONS

d_a	min. 65 mm
d_a	max. 68 mm
d_b	min. 80 mm
D_a	max. 109.2 mm
r _a	max. 2 mm





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		11000 r/min
Calculation factor	k _r	0.23
Limiting value	е	0.2
Axial load factor	Υ	0.6

MASS

Mass bearing	1.65 kg
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ASSOCIATED PRODUCTS

Angle ring	HJ 311 EC
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More information

Product details	Product details	Engineering in	rornmangomeering ir		lools	
Designs and variants Bearing data Loads Tempera	Product details Designs and variants Bearing data Loads Tempera	Principles of rolling bearing selection General bearing k nowledge Bearing	Frinciples of rolling bearing -selection General bearing k nowledge	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele	
ture limits Permissi ble speed Design c onsiderati ons Designati on system	ture limits Permissi ble speed Design c onsiderati ons Designati on system	Bearing selection process Bearing failure and how to prevent it	selection process Bearing failure and how to	selection selection process Bearing Bearing failure and how to to	ct for SKF greases Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio ns	ct for SKF greases Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting instructions

5KF.



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