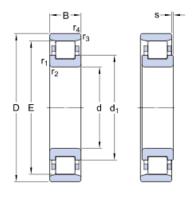
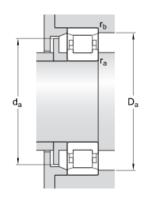


Technical specification





N 311 ECM

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

DIMENSIONS

d	55 mm
D	120 mm
В	29 mm
d_1	≈ 77.5 mm
Е	106.5 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. 104 mm
D _a	min. 109 mm
D_a	max. 111 mm
r _a	max. 2 mm
r_b	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		7000 r/min
Calculation factor	k_r	0.12
Limiting value	е	0.2
Axial load factor	Υ	0.6

MASS

Mass bearing	1.66 kg
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More information

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

5KF.



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