



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,](#)

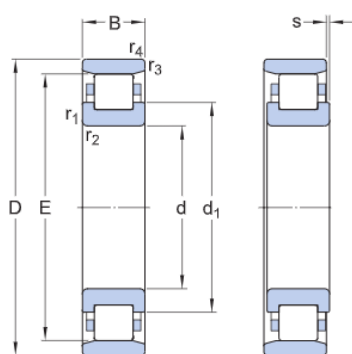
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

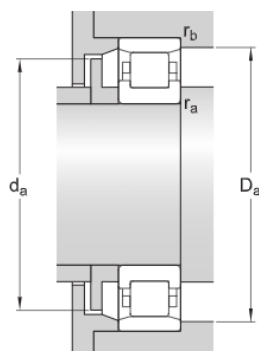
Technical specification



DIMENSIONS

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
d1	≈77.5 mm	Shoulder diameter of inner ring
E	106.5 mm	Raceway diameter of outer ring
r1,2	min.2 mm	Chamfer dimension
r3,4	min.2 mm	Chamfer dimension
s	max.2 mm	Permissible axial displacement

ABUTMENT DIMENSIONS



da	min.65 mm	Diameter of spacer sleeve
da	max.104 mm	Diameter of spacer sleeve
Da	min.109 mm	Diameter of housing abutment
Da	max.111 mm	Diameter of housing abutment
	max.2	Radius of

ra	mm	fillet
rb	max.2 mm	Radius of fillet

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		6 000 r/min
Limiting speed		7 000 r/min
Minimum load factor	k _r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass		1.66 kg
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