



N 220 ECP Cylindrical roller

bearings, single row

Popular item
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,](#)

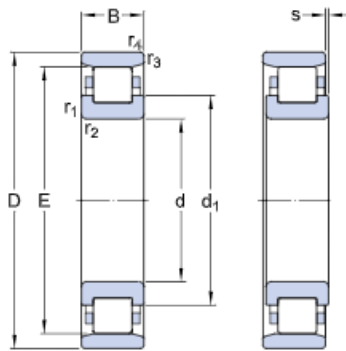
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

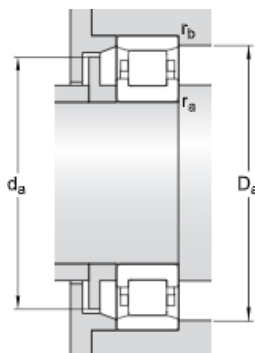


DIMENSIONS

d	100 mm
D	180 mm
B	34 mm
d ₁	≈ 127 mm
E	163 mm
r _{1,2}	min. 2.1 mm
r _{3,4}	min. 2.1 mm
s	max. 1.7 mm

ABUTMENT DIMENSIONS

d _a	min. 113 mm
d _a	max. 160 mm
D _a	min. 166 mm
D _a	max. 168 mm
r _a	max. 2 mm
r _b	max. 2 mm



CALCULATION DATA

Basic dynamic load rating	C	285 kN
Basic static load rating	C ₀	305 kN
Fatigue load limit	P _u	36.5 kN
Reference speed		4 000 r/min
Limiting speed		4 500 r/min
Calculation factor	k _r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	3.44 kg
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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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