



N 309 ECP

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,](#)

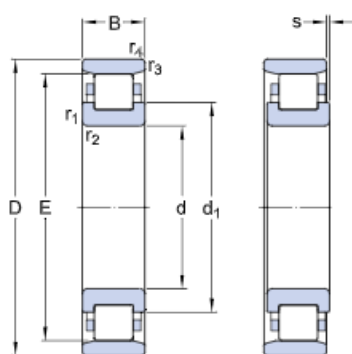
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

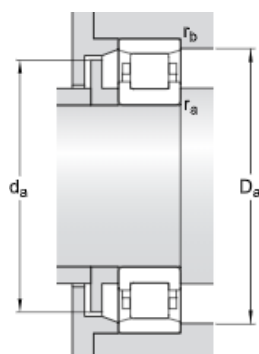


DIMENSIONS

d	45 mm
D	100 mm
B	25 mm
d ₁	≈ 64.4 mm
E	88.5 mm
r _{1,2}	min. 1.5 mm
r _{3,4}	min. 1.5 mm
s	max. 1.7 mm

ABUTMENT DIMENSIONS

d _a	min. 54 mm
d _a	max. 86 mm
D _a	min. 91 mm
D _a	max. 92.3 mm
r _a	max. 1.5 mm
r _b	max. 1.5 mm



CALCULATION DATA

Basic dynamic load rating	C	112 kN
Basic static load rating	C ₀	100 kN
Fatigue load limit	P _u	12.9 kN
Reference speed		7 500 r/min
Limiting speed		8 500 r/min
Calculation factor	k _r	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	0.88 kg
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More information

Product details Designs and variants Bearing data Loads Temperature limits Permissible speed Design considerations Designation system	Engineering information Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing failure and how to prevent it	Tools SimPro Quick Bearing Select Engineering Calculator LubeSelect for SKF greases Heater selection tool Oil Injection Method Program Rolling bearings mounting and dismounting instructions
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