

N 309 ECP Cylindrical roller

bearings, single row

Popular item
SKF Explorer

Cylindrical roller bearings, single row

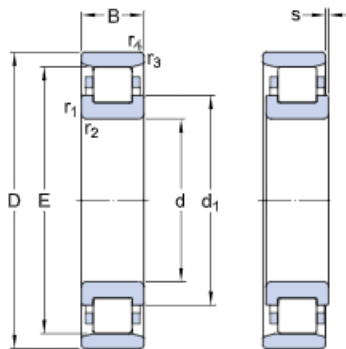
Bearing data

[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

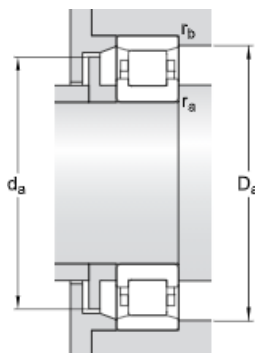


DIMENSIONS

d	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

<p>Product details</p> <ul style="list-style-type: none"> Designs and variants <hr/> Bearing data <hr/> Loads <hr/> Temperature limits <hr/> Permissible speed <hr/> Design considerations <hr/> Designation system <hr/> 	<p>Engineering information</p> <ul style="list-style-type: none"> Principles of rolling bearing selection <hr/> General bearing knowledge <hr/> Bearing selection process <hr/> Bearing failure and how to prevent it <hr/> 	<p>Tools</p> <ul style="list-style-type: none"> SimPro Quick <hr/> Bearing Select <hr/> Engineering Calculator <hr/> LubeSelect for SKF greases <hr/> Heater selection tool <hr/> Oil Injection Method Program <hr/> Rolling bearings mounting and dismounting instructions <hr/>
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