



3309 ATN9

Popular item
SKF Explorer

Angular contact ball bearings, double row

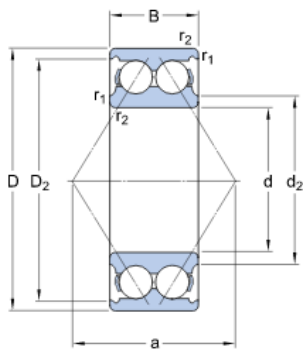
Bearing data

[Tolerances](#),
Normal, P6, P5,
[Internal clearance](#),
table, drawing no

Bearing interfaces

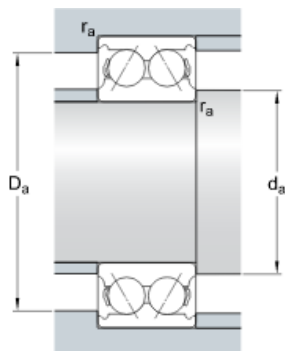
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	45 mm
D	100 mm
B	39.7 mm
d ₂	≈ 55.6 mm
D ₂	≈ 89.95 mm
r _{1,2}	min. 1.5 mm
a	58 mm



ABUTMENT DIMENSIONS

d _a	min. 54 mm
D _a	max. 91 mm
r _a	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	C	75 kN
Basic static load rating	C ₀	53 kN
Fatigue load limit	P _u	2.24 kN
Reference speed		7500 r/min
Limiting speed		6700 r/min
Calculation factor	k _r	0.07
Calculation factor	e	0.8
Calculation factor	X	0.63
Calculation factor	Y ₀	0.66
Calculation factor	Y ₁	0.78
Calculation factor	Y ₂	1.24

MASS

Mass bearing	1.25 kg
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More information

Product details	Engineering information	Tools
Designs and variants <hr/>	Principles of rolling bearing selection <hr/>	Bearing Select <hr/>
Bearing data <hr/>	General bearing knowledge <hr/>	SimPro Quick <hr/>
Loads <hr/>	Bearing selection process <hr/>	Engineering Calculator <hr/>
Temperature limits <hr/>	Bearing interfaces <hr/>	LubeSelect for SKF greases <hr/>
Permissible speed <hr/>	Seat tolerances for standard conditions <hr/>	Heater selection tool <hr/>
Designation system <hr/>	Selecting internal clearance or preload <hr/>	Rolling bearings mounting and dismounting instructions <hr/>
	Lubrication <hr/>	
	Sealing, mounting and dismounting <hr/>	
	Bearing failure and how to prevent it <hr/>	

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