



# 3209 ATN9 Angular contact ball bearings, double row

Popular item  
SKF Explorer

## Angular contact ball bearings, double row

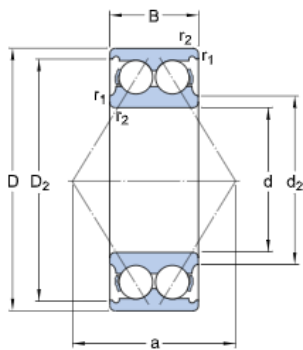
### Bearing data

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

### Bearing interfaces

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

## Technical specification

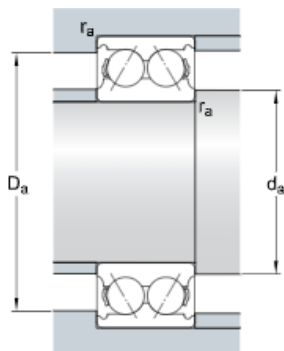


### DIMENSIONS

d	45 mm
D	85 mm
B	30.2 mm
d <sub>2</sub>	≈ 52.8 mm
D <sub>2</sub>	≈ 77.1 mm
r <sub>1,2</sub>	min. 1.1 mm
a	49 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 52 mm
D <sub>a</sub>	max. 78 mm
r <sub>a</sub>	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	C	52 kN
Basic static load rating	C <sub>0</sub>	41.5 kN
Fatigue load limit	P <sub>u</sub>	1.76 kN
Reference speed		7 500 r/min
Limiting speed		7 500 r/min
Calculation factor	k <sub>r</sub>	0.06
Calculation factor	e	0.8
Calculation factor	X	0.63
Calculation factor	Y <sub>0</sub>	0.66
Calculation factor	Y <sub>1</sub>	0.78
Calculation factor	Y <sub>2</sub>	1.24

## MASS

Mass bearing	0.63 kg
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## More information

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

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