



# 3305 ATN9

Popular item  
SKF Explorer

## Angular contact ball bearings, double row

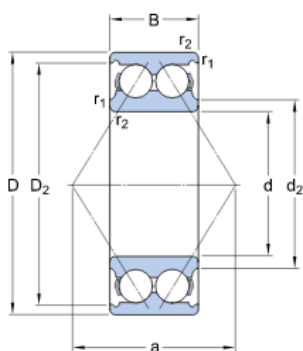
### Bearing data

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

### Bearing interfaces

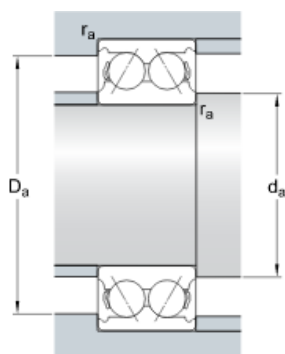
[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

## Technical specification



### DIMENSIONS

d	25 mm
D	62 mm
B	25.4 mm
d <sub>2</sub>	≈ 35.7 mm
D <sub>2</sub>	≈ 53.4 mm
r <sub>1,2</sub>	min. 1.1 mm
a	36 mm



### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 32 mm
D <sub>a</sub>	max. 55 mm
r <sub>a</sub>	max. 1 mm

## CALCULATION DATA

Basic dynamic load rating	C	32.5 kN
Basic static load rating	C <sub>0</sub>	22 kN
Fatigue load limit	P <sub>u</sub>	0.93 kN
Reference speed		11000 r/min
Limiting speed		11000 r/min
Calculation factor	k <sub>r</sub>	0.07
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	0.35 kg
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## More information

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