



# 3305 A-2RS1

SKF Explorer

## Angular contact ball bearings, double row

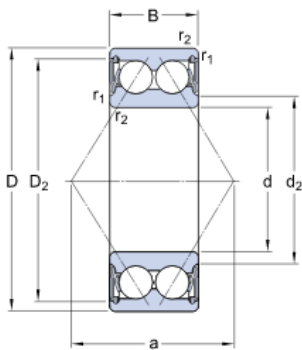
### Bearing data

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

### Bearing interfaces

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

## Technical specification

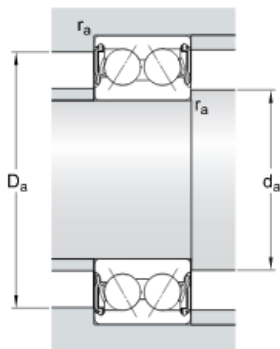


### DIMENSIONS

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. 35.5 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	$C_0$	22 kN
Fatigue load limit	$P_u$	0.93 kN
Reference speed		11000 r/min
Limiting speed		7500 r/min
Calculation factor	$k_f$	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	0.35 kg
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More information

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

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