



3211 A

- Popular item
- SKF Explorer

Angular contact ball bearings, double row

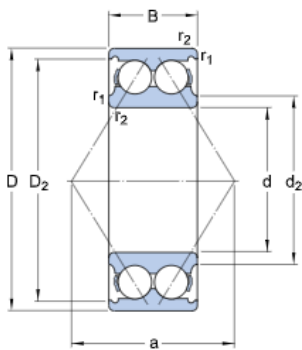
Bearing data

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

Bearing interfaces

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

Technical specification

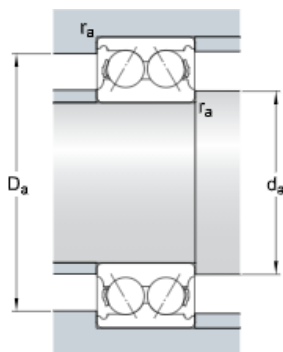


DIMENSIONS

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	33.3 mm	Width
d2	≈63.2 mm	Recess diameter inner ring shoulder
D2	≈92.3 mm	Recess diameter outer ring shoulder
r1,2	min.1.5 mm	Chamfer dimension inner ring
a	57 mm	Distance pressure point(s)

ABUTMENT DIMENSIONS

da	min.63 mm	Abutment diameter shaft
Da	max.91 mm	Abutment diameter housing
ra	max.1.5 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	61 kN
Basic static load rating	C ₀	52 kN
Fatigue load limit	P _u	2.2 kN
Reference speed		6 300 r/min
Limiting speed		6 300 r/min
Calculation factor	k _r	0.06
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	0.91 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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