



3311 ATN9

SKF Explorer

Angular contact ball bearings, double row

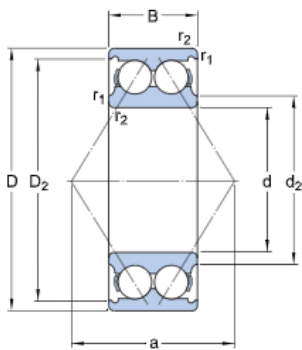
Bearing data

Tolerances,
Normal, P6, P5,
Internal clearance,
table, drawing no

Bearing interfaces

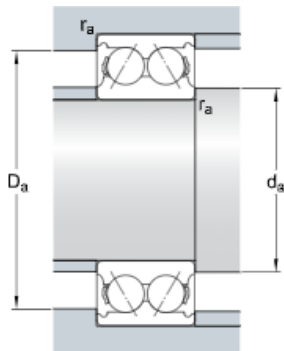
Seat tolerances for standard
conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	55 mm
D	120 mm
B	49.2 mm
d ₂	≈ 68.4 mm
D ₂	≈ 109.4 mm
r _{1,2}	min. 2 mm
a	73 mm



ABUTMENT DIMENSIONS

d _a	min. 66 mm
D _a	max. 109 mm
r _a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	112 kN
Basic static load rating	C ₀	81.5 kN
Fatigue load limit	P _u	3.45 kN
Reference speed		6000 r/min
Limiting speed		5300 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	2.65 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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