



3306 A-2RS1TN9/MT33

Angular contact ball bearings, double row

Formula 100
SKF Explorer

Angular contact ball bearings, double row

Bearing data

[Tolerances,](#)

Normal, P6, P5,

[Internal clearance,](#)

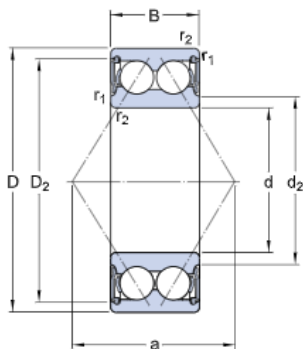
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

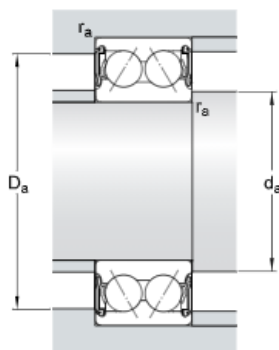


DIMENSIONS

d	30 mm
D	72 mm
B	30.2 mm
d ₂	≈ 39.8 mm
D ₂	≈ 64.1 mm
r _{1,2}	min. 1.1 mm
a	42 mm

ABUTMENT DIMENSIONS

d _a	min. 37 mm
d _a	max. 39.5 mm
D _a	max. 65 mm
r _a	max. 1 mm



CALCULATION DATA

Basic dynamic load rating	C	42.5 kN
Basic static load rating	C ₀	30 kN
Fatigue load limit	P _u	1.27 kN
Limiting speed		6 300 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		0.52 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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