



3303 ATN9

Angular contact ball bearings, double row

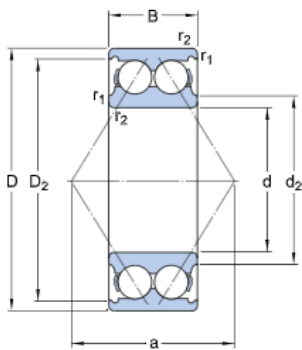
Bearing data

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

Bearing interfaces

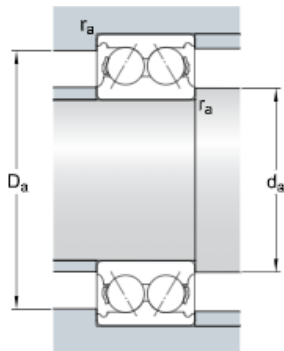
Seat tolerances for standard
conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	17 mm
D	47 mm
B	22.2 mm
d ₂	≈ 25.7 mm
D ₂	≈ 40.15 mm
r _{1,2}	min. 1 mm
a	28 mm



ABUTMENT DIMENSIONS

d _a	min. 22.6 mm
D _a	max. 41.4 mm
r _a	max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	21.6 kN
Basic static load rating	C_0	12.7 kN
Fatigue load limit	P_u	0.54 kN
Reference speed		17000 r/min
Limiting speed		14000 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	0.18 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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