



3303 ATN9

Angular contact ball bearings, double row

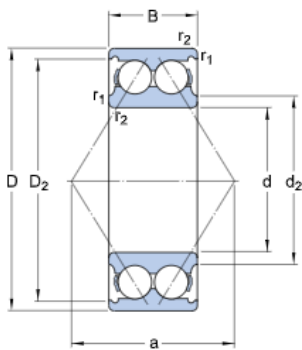
Bearing data

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

Bearing interfaces

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

Technical specification

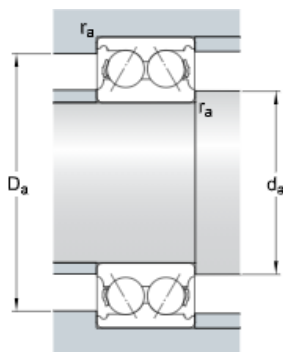


DIMENSIONS

d	17 mm	Bore diameter
D	47 mm	Outside diameter
B	22.2 mm	Width
d2	≈25.7 mm	Recess diameter inner ring shoulder
D2	≈40.15 mm	Recess diameter outer ring shoulder
r1,2	min.1 mm	Chamfer dimension inner ring
a	28 mm	Distance pressure point(s)

ABUTMENT DIMENSIONS

da	min.22.6 mm	Abutment diameter shaft
Da	max.41.4 mm	Abutment diameter housing
ra	max.1 mm	Fillet radius



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		17 000 r/min
Limiting speed		14 000 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	0.18 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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