



3203 ATN9 Angular contact ball bearings, double row

- Popular item

Angular contact ball bearings, double row

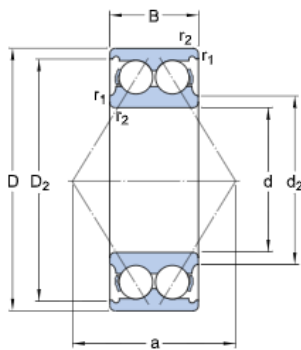
Bearing data

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

Bearing interfaces

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

Technical specification

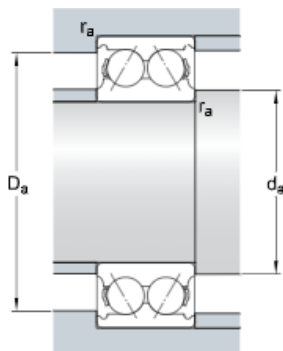


DIMENSIONS

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	17.5 mm	Width
d ₂	≈ 23.3 mm	Recess diameter inner ring shoulder
D ₂	≈ 34.95 mm	Recess diameter outer ring shoulder
r _{1,2}	min. 0.6 mm	Chamfer dimension inner ring
a	23 mm	Distance pressure point(s)

ABUTMENT DIMENSIONS

d _e	min. 21.4 mm	Abutment diameter shaft
d _e	max. 23 mm	Abutment diameter shaft
D _i	max. 35.6 mm	Abutment diameter housing
r _a	max. 0.6 mm	Fillet radius



CALCULATION DATA

C	14.3 kN	Basic dynamic load rating
C ₀	8.8 kN	Basic static load rating
P _u	0.365 kN	Fatigue load limit
	19 000 r/min	Reference speed
	16 000 r/min	Limiting speed
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	Calculation factor

MASS

0.096 kg	Mass bearing
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