



3202 ATN9 Angular contact ball bearings, double row

- Popular item

Angular contact ball bearings, double row

Bearing data

[Tolerances](#),

Normal, P6, P5,

[Internal clearance](#),

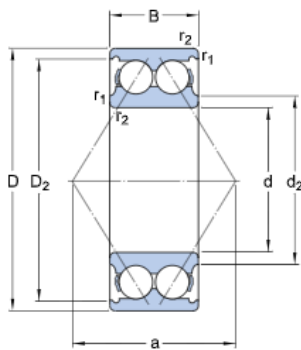
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions](#),

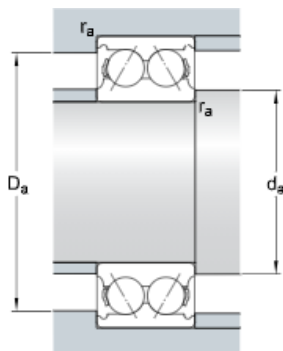
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	15.9 mm	Width
d ₂	≈ 20.2 mm	Recess diameter inner ring shoulder
D ₂	≈ 30.7 mm	Recess diameter outer ring shoulder
r _{1,2}	min. 0.6 mm	Chamfer dimension inner ring
a	21 mm	Distance pressure point(s)



ABUTMENT DIMENSIONS

d _a	min. 19.4 mm	Abutment diameter shaft
D _i	max. 30.6 mm	Abutment diameter housing
r _a	max. 0.6 mm	Fillet radius

CALCULATION DATA

C	11.2 kN	Basic dynamic load rating
C ₀	6.8 kN	Basic static load rating
P _u	0.285 kN	Fatigue load limit
	22 000 r/min	Reference speed
	18 000 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

0.066 kg	Mass bearing
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