



3202 A-2RS1TN9/MT33

Angular contact ball bearings, double row

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Bearing data

[Tolerances,](#)

Normal, P6, P5,

[Internal clearance,](#)

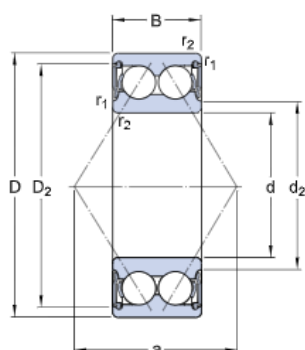
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

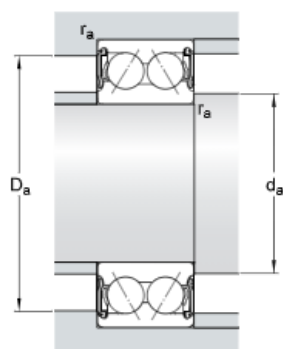


DIMENSIONS

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 _e	max. 20 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
	14 000 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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