



3205 ATN9 Angular contact ball bearings, double row

- Popular item

- SKF Explorer

Angular contact ball bearings, double row

Bearing data

[Tolerances](#),

Normal, P6, P5,

[Internal clearance](#),

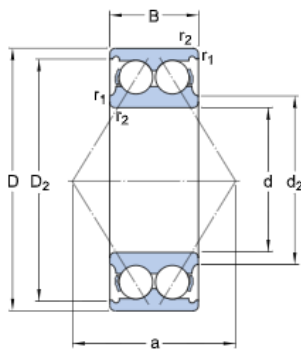
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

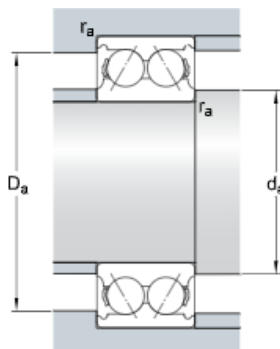


DIMENSIONS

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	20.6 mm	Width
d ₁	≈ 34.44 mm	Shoulder diameter inner ring
d ₂	≈ 32.7 mm	Recess diameter inner ring shoulder
D ₁	≈ 44.55 mm	Shoulder diameter outer ring
D ₂	≈ 45.9 mm	Recess diameter outer ring shoulder
r _{1,2}	min. 1 mm	Chamfer dimension inner ring
a	30 mm	Distance pressure point(s)

ABUTMENT DIMENSIONS

d _a	min. 31 mm	Abutment diameter shaft
D _i	max. 46 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius



CALCULATION DATA

C	22 kN	Basic dynamic load rating
C ₀	15.3 kN	Basic static load rating
P _u	0.64 kN	Fatigue load limit
	12 000 r/min	Reference speed
	12 000 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

0.18 kg	Mass bearing
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