



3209 A-2Z Angular contact ball bearings, double row

- Popular item
- SKF Explorer

Angular contact ball bearings, double row

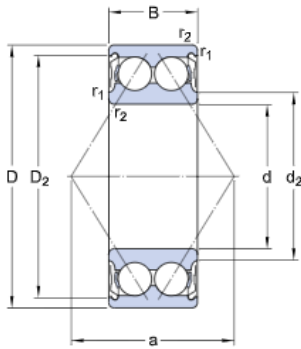
Bearing data

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

Bearing interfaces

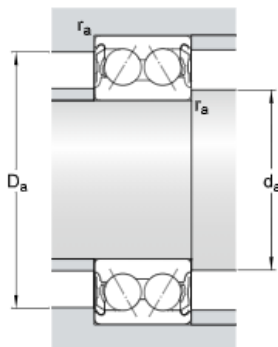
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	30.2 mm	Width
d ₂	≈ 52.8 mm	Recess diameter inner ring shoulder
D ₂	≈ 77.1 mm	Recess diameter outer ring shoulder
r _{1,2}	min. 1.1 mm	Chamfer dimension inner ring
a	49 mm	Distance pressure point(s)



ABUTMENT DIMENSIONS

d _a	min. 52 mm	Abutment diameter shaft
d _a	max. 52.5 mm	Abutment diameter shaft
D _i	max. 78 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius

CALCULATION DATA

C	52 kN	Basic dynamic load rating
C ₀	41.5 kN	Basic static load rating
P _u	1.76 kN	Fatigue load limit
	7 500 r/min	Reference speed
	7 500 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

	0.63 kg	Mass bearing
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