



3207 ATN9 Angular contact ball bearings, double row

- Popular item
- SKF Explorer

Angular contact ball bearings, double row

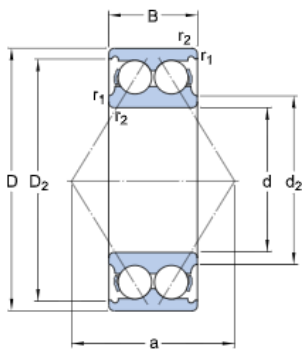
Bearing data

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

Bearing interfaces

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

Technical specification

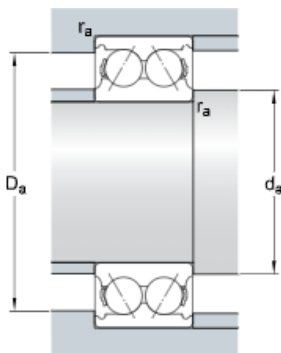


DIMENSIONS

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	27 mm	Width
d_2	≈ 45.4 mm	Recess diameter inner ring shoulder
D_2	≈ 63.85 mm	Recess diameter outer ring shoulder
$r_{1,2}$	min. 1.1 mm	Chamfer dimension inner ring
a	42 mm	Distance pressure point(s)

ABUTMENT DIMENSIONS

d_a	min. 42 mm	Abutment diameter shaft
D_i	max. 65 mm	Abutment diameter housing
r_a	max. 1 mm	Fillet radius



CALCULATION DATA

C	40.5 kN	Basic dynamic load rating
C ₀	30 kN	Basic static load rating
P _u	1.27 kN	Fatigue load limit
	9 000 r/min	Reference speed
	9 000 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

	0.44 kg	Mass bearing
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