



3214 A Angular contact ball bearings, double row

- Popular item

Angular contact ball bearings, double row

Bearing data

[Tolerances](#),

Normal, P6, P5,

[Internal clearance](#),

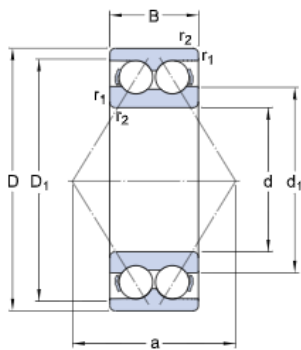
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

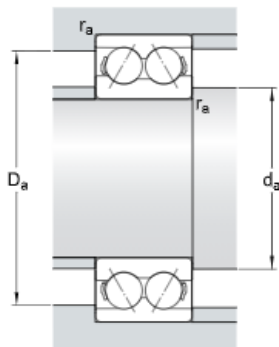


DIMENSIONS

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	39.7 mm	Width
d_1	≈ 88.5 mm	Shoulder diameter inner ring
D_1	≈ 107.03 mm	Shoulder diameter outer ring
$r_{1,2}$	min. 1.5 mm	Chamfer dimension inner ring
a	74 mm	Distance pressure point(s)

ABUTMENT DIMENSIONS

d_a	min. 79 mm	Abutment diameter shaft
D_c	max. 116 mm	Abutment diameter housing
r_a	max. 1.5 mm	Fillet radius



CALCULATION DATA

C	88.4 kN	Basic dynamic load rating
C ₀	80 kN	Basic static load rating
P _u	3.4 kN	Fatigue load limit
	5 600 r/min	Reference speed
	4 500 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

	1.9 kg	Mass bearing
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