



2214 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

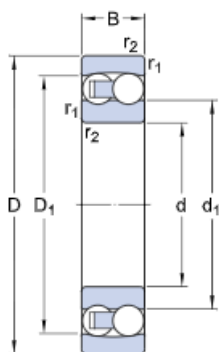
Bearing data

[Tolerances](#),
Normal, JS7,
[Radial internal clearance](#),
table

Bearing interfaceS

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

Technical specification

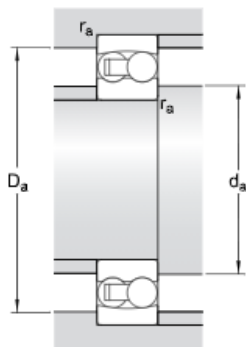


DIMENSIONS

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	31 mm	Width
d ₁	≈ 88 mm	Shoulder diameter inner ring
D ₁	≈ 109 mm	Shoulder diameter outer ring
r _{1,2}	min. 1.5 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 79 mm	Abutment diameter shaft
D _i	max. 116 mm	Abutment diameter housing
r _a	max. 1.5 mm	Fillet radius



CALCULATION DATA

C	44.2 kN	Basic dynamic load rating
C ₀	17 kN	Basic static load rating
P _u	0.88 kN	Fatigue load limit
	10 000 r/min	Reference speed
	6 700 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.04	Calculation factor
e	0.27	Calculation factor
Y ₀	2.5	Calculation factor
Y ₁	2.3	Calculation factor
Y ₂	3.6	Calculation factor

MASS

1.5 kg	Mass bearing
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