



2201 ETN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

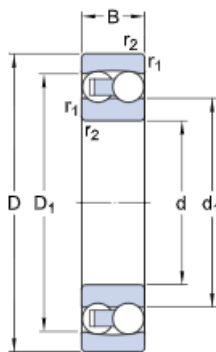
Bearing data

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

Bearing interfaceS

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

Technical specification

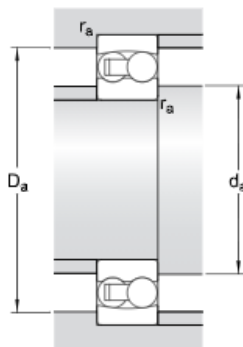


DIMENSIONS

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	14 mm	Width
d ₁	≈ 17.47 mm	Shoulder diameter inner ring
D ₁	≈ 26.4 mm	Shoulder diameter outer ring
r _{1,2}	min. 0.6 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 16.2 mm	Abutment diameter shaft
D _i	max. 27.8 mm	Abutment diameter housing
r _a	max. 0.6 mm	Fillet radius



CALCULATION DATA

C	8.52 kN	Basic dynamic load rating
C ₀	1.9 kN	Basic static load rating
P _u	0.098 kN	Fatigue load limit
	45 000 r/min	Reference speed
	30 000 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.5	Calculation factor
Y ₀	1.3	Calculation factor
Y ₁	1.25	Calculation factor
Y ₂	2	Calculation factor

MASS

	0.053 kg	Mass bearing
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