



2201 E-2RS1TN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

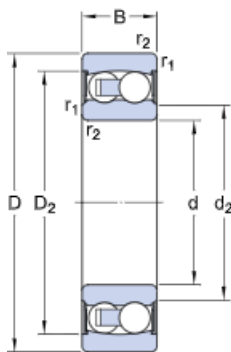
Bearing data

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

Bearing interfaceS

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

Technical specification

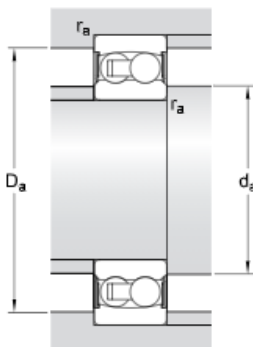


DIMENSIONS

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	14 mm	Width
d ₂	≈ 15.5 mm	Recess diameter inner ring
D ₂	≈ 27.34 mm	Recess diameter outer ring
r _{1,2}	min. 0.6 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a min.	15.5 mm	Abutment diameter shaft
d _a max.	15.5 mm	Abutment diameter shaft
D _i max.	27.8 mm	Abutment diameter housing
r _a max.	0.6 mm	Fillet radius



CALCULATION DATA

C	6.24 kN	Basic dynamic load rating
C ₀	1.43 kN	Basic static load rating
P _u	0.072 kN	Fatigue load limit
	16 000 r/min	Limiting speed
α	1.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.33	Calculation factor
Y ₀	2	Calculation factor
Y ₁	1.9	Calculation factor
Y ₂	3	Calculation factor

MASS

	0.053 kg	Mass bearing
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