



1301 ETN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

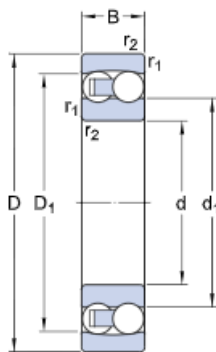
Bearing data

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

Bearing interfaceS

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

Technical specification

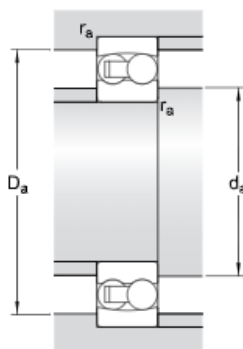


DIMENSIONS

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
d ₁	≈ 20.2 mm	Shoulder diameter inner ring
D ₁	≈ 29.5 mm	Shoulder diameter outer ring
r _{1,2}	min. 1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 17.6 mm	Abutment diameter shaft
D _i	max. 31.4 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius



CALCULATION DATA

C	9.36 kN	Basic dynamic load rating
C ₀	2.16 kN	Basic static load rating
P _u	0.112 kN	Fatigue load limit
	40 000 r/min	Reference speed
	28 000 r/min	Limiting speed
α	3 °	Permissible angular misalignment
k _r	0.04	Calculation factor
e	0.35	Calculation factor
Y ₀	1.8	Calculation factor
Y ₁	1.8	Calculation factor
Y ₂	2.8	Calculation factor

MASS

	0.067 kg	Mass bearing
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