



1302 ETN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

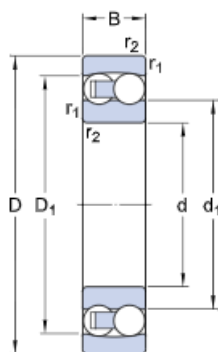
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

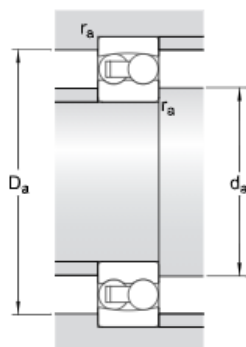


DIMENSIONS

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	13 mm	Width
d ₁	≈ 23.9 mm	Shoulder diameter inner ring
D ₁	≈ 34.3 mm	Shoulder diameter outer ring
r _{1,2}	min. 1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 20.6 mm	Abutment diameter shaft
D _i	max. 36.4 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius



CALCULATION DATA

C	10.8 kN	Basic dynamic load rating
C ₀	2.6 kN	Basic static load rating
P _u	0.134 kN	Fatigue load limit
	34 000 r/min	Reference speed
	24 000 r/min	Limiting speed
α	3 °	Permissible angular misalignment
k _r	0.04	Calculation factor
e	0.31	Calculation factor
Y ₀	2.2	Calculation factor
Y ₁	2	Calculation factor
Y ₂	3.1	Calculation factor

MASS

0.094 kg	Mass bearing
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