



2200 ETN9 Self-aligning ball

bearings

- Popular item

Self-aligning ball bearings

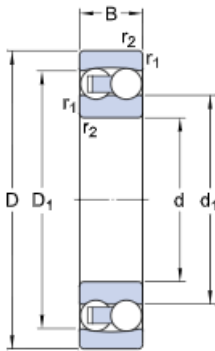
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

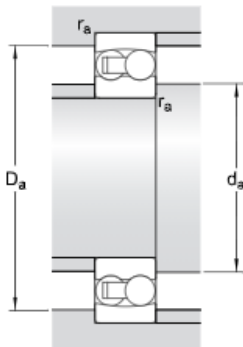


DIMENSIONS

d	10 mm	Bore diameter
D	30 mm	Outside diameter
B	14 mm	Width
d ₁	≈ 15.39 mm	Shoulder diameter inner ring
D ₁	≈ 24.3 mm	Shoulder diameter outer ring
r _{1,2}	min. 0.6 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 14.2 mm	Abutment diameter shaft
D _i	max. 25.8 mm	Abutment diameter housing
r _a	max. 0.6 mm	Fillet radius



CALCULATION DATA

C	8.06 kN	Basic dynamic load rating
C ₀	1.73 kN	Basic static load rating
P _u	0.09 kN	Fatigue load limit
	50 000 r/min	Reference speed
	34 000 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.54	Calculation factor
Y ₀	1.3	Calculation factor
Y ₁	1.15	Calculation factor
Y ₂	1.8	Calculation factor

MASS

	0.047 kg	Mass bearing
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