



2207 E-2RS1TN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

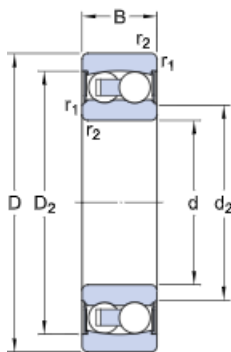
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

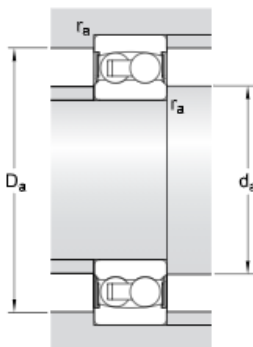


DIMENSIONS

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	23 mm	Width
d ₂	≈ 42.7 mm	Recess diameter inner ring
D ₂	≈ 62.69 mm	Recess diameter outer ring
r _{1,2}	min. 1.1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a min.	42 mm	Abutment diameter shaft
d _a max.	42.5 mm	Abutment diameter shaft
D _i max.	65 mm	Abutment diameter housing
r _a max.	1.1 mm	Fillet radius



CALCULATION DATA

C	19 kN	Basic dynamic load rating
C ₀	6 kN	Basic static load rating
P _u	0.305 kN	Fatigue load limit
	6 300 r/min	Limiting speed
α	1.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.23	Calculation factor
Y ₀	2.8	Calculation factor
Y ₁	2.7	Calculation factor
Y ₂	4.2	Calculation factor

MASS

	0.41 kg	Mass bearing
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