



2203 E-2RS1TN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

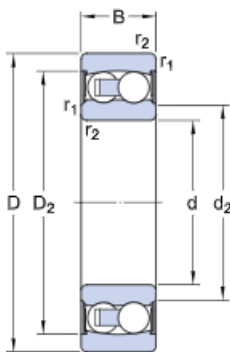
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

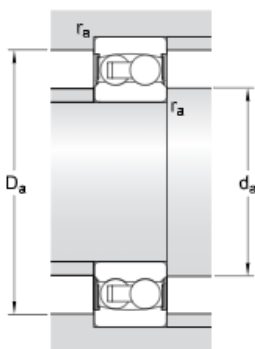


DIMENSIONS

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	16 mm	Width
d_2	≈ 21.1 mm	Recess diameter inner ring
D_2	≈ 34.98 mm	Recess diameter outer ring
$r_{1,2}$	min. 0.6 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d_s min.	21 mm	Abutment diameter shaft
d_s max.	21 mm	Abutment diameter shaft
D_i max.	35.8 mm	Abutment diameter housing
r_a max.	0.6 mm	Fillet radius



CALCULATION DATA

C	8.84 kN	Basic dynamic load rating
C ₀	2.2 kN	Basic static load rating
P _u	0.114 kN	Fatigue load limit
	12 000 r/min	Limiting speed
α	1.5 °	Permissible angular misalignment
k _r	0.045	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

	0.089 kg	Mass bearing
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