



2212 ETN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

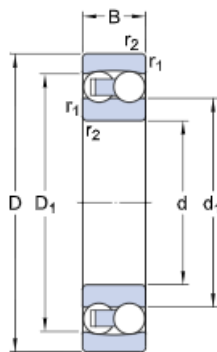
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

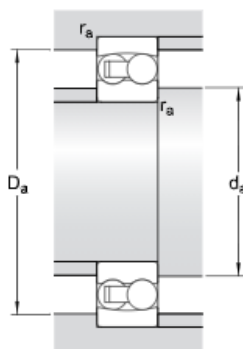


DIMENSIONS

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
d ₁	≈ 74.45 mm	Shoulder diameter inner ring
D ₁	≈ 96.9 mm	Shoulder diameter outer ring
r _{1,2}	min. 1.5 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 69 mm	Abutment diameter shaft
D _i	max. 101 mm	Abutment diameter housing
r _a	max. 1.5 mm	Fillet radius



CALCULATION DATA

C	48.8 kN	Basic dynamic load rating
C ₀	17 kN	Basic static load rating
P _u	0.88 kN	Fatigue load limit
	11 000 r/min	Reference speed
	8 000 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.24	Calculation factor
Y ₀	2.8	Calculation factor
Y ₁	2.6	Calculation factor
Y ₂	4.1	Calculation factor

MASS

1.1 kg	Mass bearing
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