



2206 EKTN9 Self-aligning ball bearings

Self-aligning ball bearings

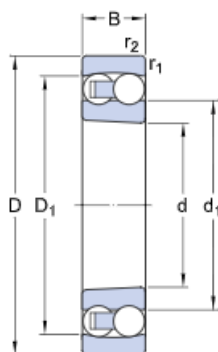
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

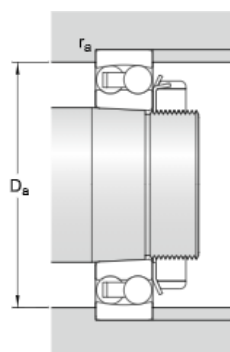


DIMENSIONS

d	30 mm	Bore diameter
D	62 mm	Outside diameter
B	20 mm	Width
d ₁	≈ 38.79 mm	Shoulder diameter inner ring
D ₁	≈ 54 mm	Shoulder diameter outer ring
r _{1,2}	min. 1 mm	Chamfer dimension
Tapered bore, taper 1:12		

ABUTMENT DIMENSIONS

D _i max. 56.4 mm	Abutment diameter housing
r _a max. 1 mm	Fillet radius



CALCULATION DATA

C	23.8 kN	Basic dynamic load rating
C ₀	6.7 kN	Basic static load rating
P _u	0.345 kN	Fatigue load limit
	22 000 r/min	Reference speed
	15 000 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.33	Calculation factor
Y ₀	2	Calculation factor
Y ₁	1.9	Calculation factor
Y ₂	3	Calculation factor

MASS

	0.26 kg	Mass bearing
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