



1322 KM Self-aligning ball bearings

Self-aligning ball bearings

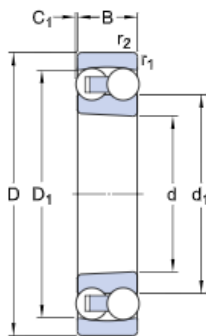
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

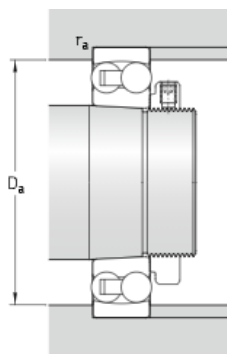


DIMENSIONS

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	50 mm	Width
d ₁	≈ 154.35 mm	Shoulder diameter inner ring
D ₁	≈ 202.9 mm	Shoulder diameter outer ring
C1	2.512 mm	Protrusion of the balls from bearing side faces
r _{1,2}	min. 3 mm	Chamfer dimension
Tapered bore, taper 1:12		

ABUTMENT DIMENSIONS

D _i max. 226 mm	Abutment diameter housing
r _a max. 3 mm	Fillet radius



CALCULATION DATA

C	163 kN	Basic dynamic load rating
C ₀	72 kN	Basic static load rating
P _u	2.75 kN	Fatigue load limit
	5 300 r/min	Reference speed
	3 600 r/min	Limiting speed
α	3 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.22	Calculation factor
Y ₀	2.8	Calculation factor
Y ₁	2.9	Calculation factor
Y ₂	4.5	Calculation factor

MASS

11.5 kg	Mass bearing
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