



1226 KM Self-aligning ball bearings

Self-aligning ball bearings

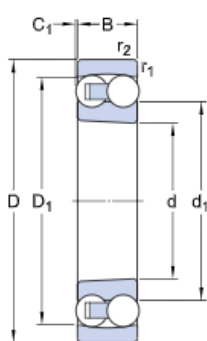
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

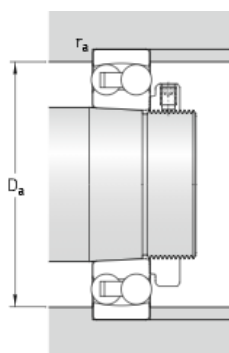


DIMENSIONS

d	130 mm	Bore diameter
D	230 mm	Outside diameter
B	46 mm	Width
d ₁	≈ 163 mm	Shoulder diameter inner ring
D ₁	≈ 201.4 mm	Shoulder diameter outer ring
C1	1.322 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. 216 mm	Abutment diameter housing
r _a max. 3 mm	Fillet radius



CALCULATION DATA

C	127 kN	Basic dynamic load rating
C ₀	58.5 kN	Basic static load rating
P _u	2.24 kN	Fatigue load limit
	5 600 r/min	Reference speed
	3 600 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.04	Calculation factor
e	0.21	Calculation factor
Y ₀	3.2	Calculation factor
Y ₁	3	Calculation factor
Y ₂	4.6	Calculation factor

MASS

8.3 kg	Mass bearing
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