



1310 EKTN9 Self-aligning ball bearings

Popular item

Self-aligning ball bearings

Bearing data

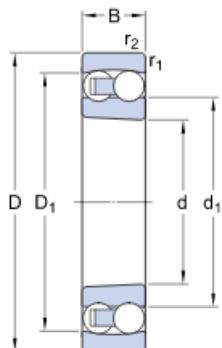
[Tolerances](#),
Normal, JS7,
[Radial internal clearance](#),
table

Bearing interfaceS

[Seat tolerances for standard conditions](#),
[Tolerances and resultant fits](#)

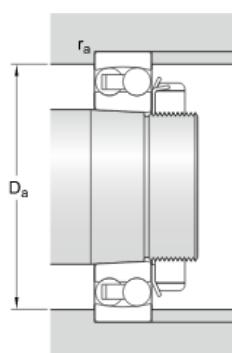
Technical specification

DIMENSIONS



d	50 mm
D	110 mm
B	27 mm
d ₁	≈ 70.3 mm
D ₁	≈ 92.6 mm
r _{1,2}	min. 2 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS



D _a	max. 99 mm
r _a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	43.6 kN
Basic static load rating	C_0	14 kN
Fatigue load limit	P_u	0.72 kN
Reference speed		12 000 r/min
Limiting speed		8 000 r/min
Permissible angular misalignment	α	3 °
Calculation factor	k_r	0.04
Calculation factor	e	0.24
Calculation factor	γ_0	2.8
Calculation factor	γ_1	2.6
Calculation factor	γ_2	4.1

MASS

Mass bearing	1.2 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	Bearing Select
Bearing data	General bearing knowledge	SimPro Quick
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing interfaces	LubeSelect for SKF greases
Permissible speed	Seat tolerances for standard conditions	Heater selection tool
Design considerations	Selecting internal clearance	Drive-up Method Program
Mounting	Lubrication	Oil Injection Method Program
Designation system	Sealing, mounting and dismounting	Tool and Accessory Selector for sleeves and shafts
	Bearing failure and how to prevent it	Housing Select
		Rolling bearings mounting and dismounting instructions

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