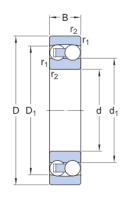


2220 M

Self-aligning ball bearings

Bearing data Tolerances, Normal, JS7, Radial internal clearance, table Bearing interfaceS
Seat tolerances for standard conditions,
Tolerances and resultant fits

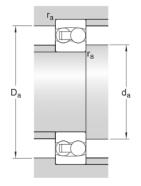
Technical specification



DIMENSIONS

d	100 mm	Bore diameter
D	180 mm	Outside diameter
В	46 mm	Width
d1	≈124 mm	Shoulder diameter inner ring
D1	≈156.9 mm	Shoulder diameter outer ring
r1,2	min.2.1 mm	Chamfer dimension

ABUTMENT DIMENSIONS



da	min.112 mm	Abutment diameter shaft
Da	max.168 mm	Abutment diameter housing
ra	max.2 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	С	97.5 kN
Basic static load rating	C_0	40.5 kN
Fatigue load limit	P_{u}	1.76 kN
Reference speed		6 700 r/min
Limiting speed		4 800 r/min
Permissible angular misalignment	α	2.5 °
Calculation factor	k _r	0.04
Calculation factor	е	0.27
Calculation factor	Y_0	2.5
Calculation factor	Y_1	2.3
Calculation factor	Y ₂	3.6

MASS

Mass bearing		5 kg
Mass bearing	9	5 kg

5KF.



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	Heater selection tool
Design considerations	standard conditions	Drive-up Method Program
Mounting	Selecting internal clearance	Oil Injection Method
Designation system	Lubrication	Program Tool and Accessory Selector
	Sealing, mounting and dismounting	for sleeves and shafts
	Bearing failure and how to prevent it	Housing Select
		Rolling bearings mounting and dismounting
		instructions





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