

# 2219 M

# Self-aligning ball bearings

Bearing data Tolerances, Normal, JS7, Radial internal clearance,

abla

table

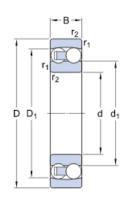
Bearing interfaceS

Seat tolerances for standard

conditions,

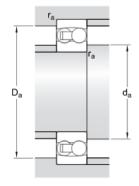
Tolerances and resultant fits

# Technical specification



## **DIMENSIONS**

d	95 mm
D	170 mm
В	43 mm
$d_1$	≈ 119.15 mm
$D_1$	≈ 148.7 mm
r <sub>1,2</sub>	min. 2.1 mm



## **ABUTMENT DIMENSIONS**

$d_a$	min. 107 mm
$D_a$	max. 158 mm
r <sub>a</sub>	max. 2 mm



## CALCULATION DATA

Basic dynamic load rating	С	83.2 kN
Basic static load rating	$C_0$	34.5 kN
Fatigue load limit	$P_{u}$	1.53 kN
Reference speed		7000 r/min
Limiting speed		5000 r/min
Permissible angular misalignment	α	2.5 °
Calculation factor	k <sub>r</sub>	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

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	Housing Select
	prevent it	Rolling bearings mounting and dismounting
		instructions





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