

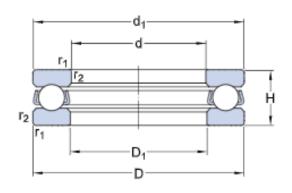
# 51109 Thrust ball bearings, single direction

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Bearing data Tolerances, table 1 Bearing interfaces
Seat tolerances for standard conditions,

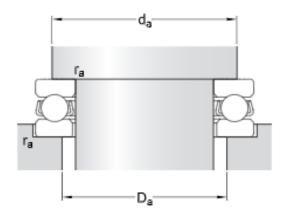
Tolerances and resultant fit

# Technical specification



#### **DIMENSIONS**

d 45 mm	Bore diameter
D 65 mm	Outside diameter
H 14 mm	Height
d <sub>1</sub> ≈ 65 mm	Outside diameter shaft washer
D <sub>1</sub> ≈ 47 mm	Inner diameter housing washer
r <sub>1,2</sub> min. 0.6 mm	Chamfer dimension washer



## ABUTMENT DIMENSIONS

d <sub>a</sub> min. 57 mm	Abutment diameter shaft
D <sub>e</sub> max. 53 mm	Abutment diameter housing
r <sub>a</sub> max. 0.6 mm	Fillet radius





## CALCULATION DATA

Basic dynamic load rating	C 26.5 kN
Basic static load rating	C <sub>0</sub> 69.5 kN
Fatigue load limit	P <sub>u</sub> 2.55 kN
Reference speed	4 500 r/min
Limiting speed	6 300 r/min
Minimum load factor	A 0.025

## **MASS**

0.14 kg Mass bearing (including seat washer where applicable)

#### More information

Engineering information	Tools
Principles of rolling bearing selection	Bearing Select
General bearing knowledge	Engineering Calculator
Bearing selection process	SimPro Quick
Bearing interfaces	LubeSelect for SKF greases
Seat tolerances for	Heater selection tool
standard conditions	
Lubrication	
External sealing, mounting and dismounting	
Bearing failure and how to prevent it	
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