



51110

Popular item

Thrust ball bearings, single direction

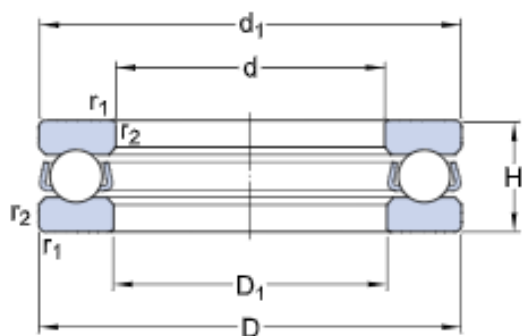
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

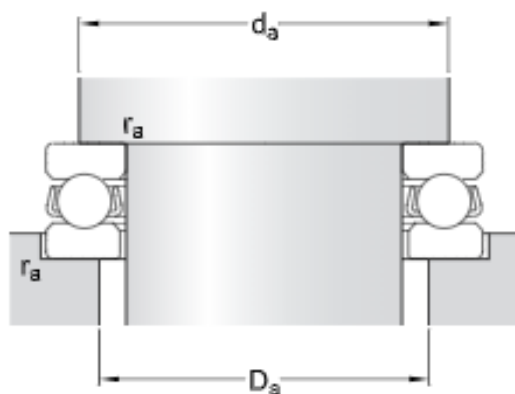
[Seat tolerances for standard](#)
[conditions,](#)
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	50 mm
D	70 mm
H	14 mm
d ₁	≈ 70 mm
D ₁	≈ 52 mm
r _{1,2}	min. 0.6 mm



ABUTMENT DIMENSIONS

d _a	min. 62 mm
D _a	max. 58 mm
r _a	max. 0.6 mm

CALCULATION DATA

Basic dynamic load rating	C	27 kN
Basic static load rating	C ₀	75 kN
Fatigue load limit	P _u	2.8 kN
Reference speed		4 300 r/min
Limiting speed		6 300 r/min
Minimum load factor	A	0.029

MASS

Mass bearing (including seat washer where applicable)	0.16 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	Engineering Calculator
Loads	Bearing selection process	SimPro Quick
Temperature limits	Bearing interfaces	LubeSelect for SKF greases
Permissible speed	Seat tolerances for standard conditions	Heater selection tool
Mounting	Lubrication	
Designation system	External sealing, mounting and dismounting	
	Bearing failure and how to prevent it	

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