



51310

- Popular item

Thrust ball bearings, single direction

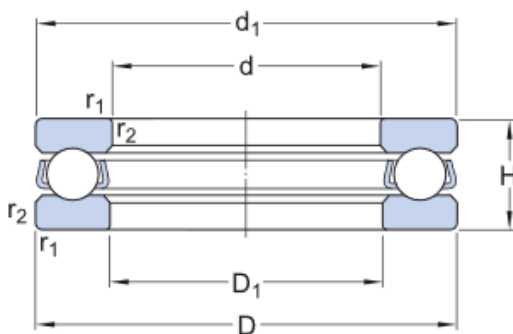
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

Technical specification

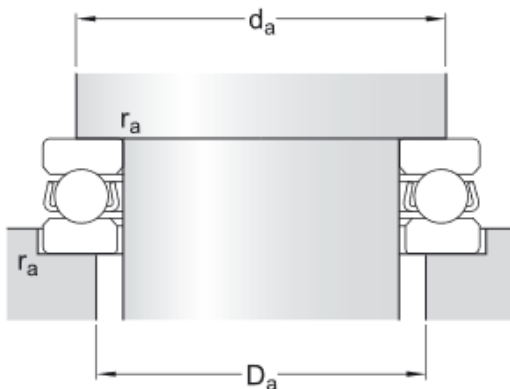


DIMENSIONS

d	50 mm	Bore diameter
D	95 mm	Outside diameter
H	31 mm	Height
d ₁	≈ 95 mm	Outside diameter shaft washer
D ₁	≈ 52 mm	Inner diameter housing washer
r _{1,2}	min. 1.1 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS

d _a	min. 77 mm	Abutment diameter shaft
D _a	max. 68 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	81.9 kN
Basic static load rating	C ₀	170 kN
Fatigue load limit	P _u	6.3 kN
Reference speed		2 600 r/min
Limiting speed		3 600 r/min
Minimum load factor	A	0.19

MASS

Mass bearing (including seat washer where applicable)	0.94 kg
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More information

Product details Designs and variants Bearing data Loads Temperature limits Permissible speed Mounting Designation system	Engineering information Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing interfaces Seat tolerances for standard conditions Lubrication External sealing, mounting and dismounting Bearing failure and how to prevent it	Tools Bearing Select Engineering Calculator SimPro Quick LubeSelect for SKF greases Heater selection tool
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