



51210

- Popular item

Thrust ball bearings, single direction

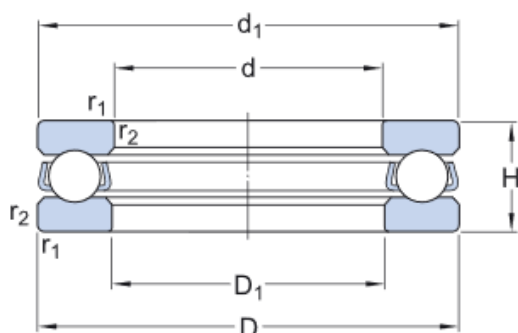
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

Technical specification

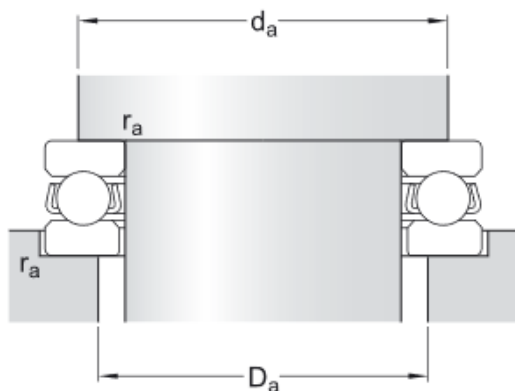


DIMENSIONS

d	50 mm	Bore diameter
D	78 mm	Outside diameter
H	22 mm	Height
d_1	≈ 78 mm	Outside diameter shaft washer
D_1	≈ 52 mm	Inner diameter housing washer
$r_{1,2}$	min. 1 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS

d_a	min. 67 mm	Abutment diameter shaft
D_a	max. 61 mm	Abutment diameter housing
r_a	max. 1 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	49.4 kN
Basic static load rating	C ₀	116 kN
Fatigue load limit	P _u	4.3 kN
Reference speed		3 400 r/min
Limiting speed		4 500 r/min
Minimum load factor	A	0.069

MASS

Mass bearing (including seat washer where applicable)	0.37 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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