51210

- Popular item

Thrust ball bearings, single direction

Bearing data

Tolerances,

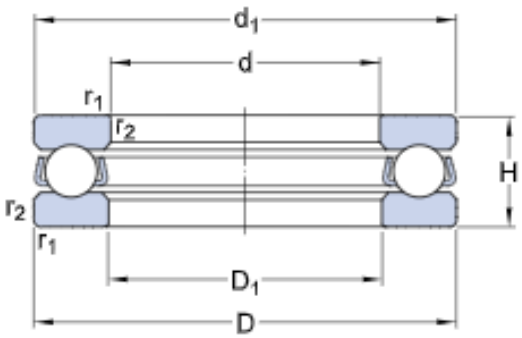
table 1

Bearing interfaces

Seat tolerances for standard conditions,

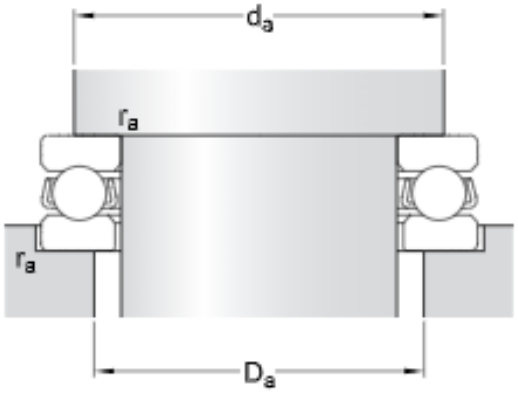
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	50 mm	Bore diameter
D	78 mm	Outside diameter
H	22 mm	Height
d1	≈78 mm	Outside diameter shaft washer
D1	≈52 mm	Inner diameter housing washer
r1,2	min.1 mm	Chamfer dimension washer



ABUTMENT DIMENSIONS

da	min.67 mm	Abutment diameter shaft
Da	max.61 mm	Abutment diameter housing
ra	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

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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