52308

- Popular item

Thrust ball bearings, double direction

Bearing data

Tolerances,

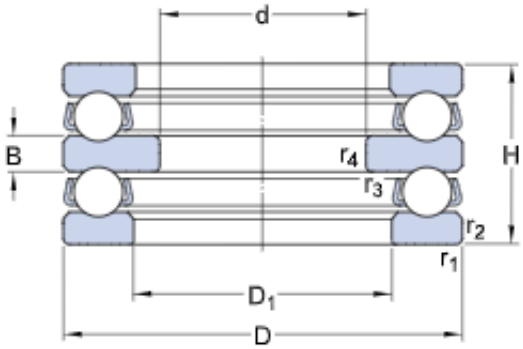
table 1

Bearing interfaces

Seat tolerances for standard conditions,

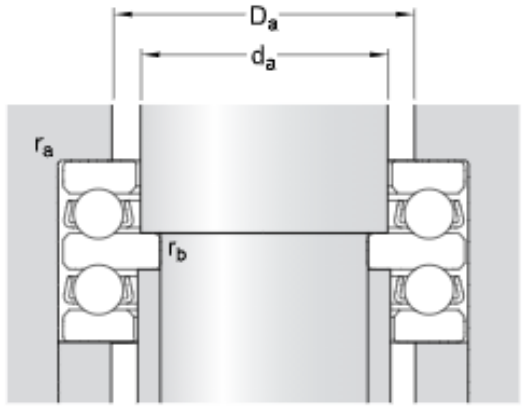
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	30 mm	Bore diameter
D	78 mm	Outside diameter
H	49 mm	Height
D1	≈40 mm	Inner diameter housing washer
B	12 mm	Height shaft washer
r1,2	min.1 mm	Chamfer dimension housing washer
r3,4	min.0.6 mm	Chamfer dimension shaft washer



ABUTMENT DIMENSIONS

d_a	40 mm	Abutment diameter shaft
Da	max.55 mm	Abutment diameter housing
ra	max.1 mm	Fillet radius housing
rb	max.0.6 mm	Fillet radius shaft

CALCULATION DATA

Basic dynamic load rating	C	61.8 kN
Basic static load rating	C_0	122 kN
Fatigue load limit	P_u	4.5 kN
Reference speed		2 200 r/min
Limiting speed		3 000 r/min
Minimum load factor	A	0.077

MASS

Mass bearing (including seat washer where applicable)	1.05 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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