



53207

- Popular item

Thrust ball bearings, single direction

Bearing data

Tolerances,

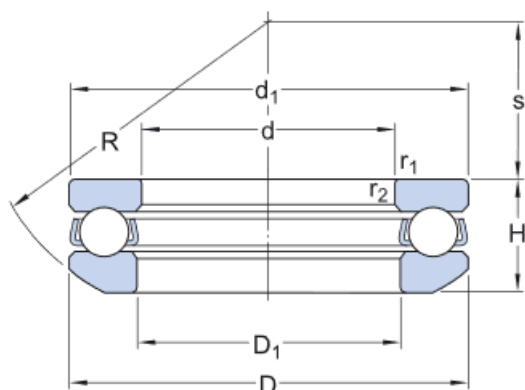
table 1

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

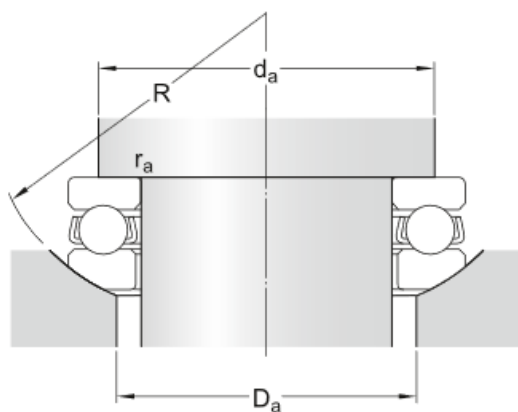
Technical specification



DIMENSIONS

d	35 mm	Bore diameter
D	62 mm	Outside diameter
H	19.9 mm	Height
H ₁	22 mm	Height bearing including seat washer
d ₁	≈ 62 mm	Outside diameter shaft washer
D ₁	≈ 37 mm	Inner diameter housing washer
D ₂	48 mm	Inner diameter sphered seat washer
D ₃	65 mm	Outside diameter sphered housing washer
C	7 mm	Height sphered housing washer
R	50 mm	Radius sphered housing washer
s	24 mm	Centre height housing washer sphere
r _{1,2}	min. 1 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS



d_a min. 51 mm	Abutment diameter shaft
D_a max. 48 mm	Abutment diameter housing
r_a max. 1 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	35.1 kN
Basic static load rating	C_0	73.5 kN
Fatigue load limit	P_u	2.7 kN
Reference speed		4 000 r/min
Limiting speed		5 600 r/min
Minimum load factor	A	0.028

MASS

Mass bearing (including seat washer where applicable)	0.28 kg
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ASSOCIATED PRODUCTS

Seat washer

U 207

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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