



51103

- Popular item

Thrust ball bearings, single direction

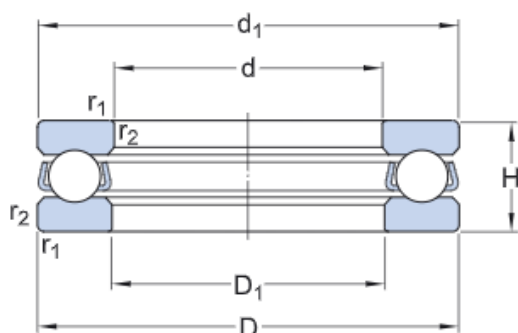
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

Technical specification

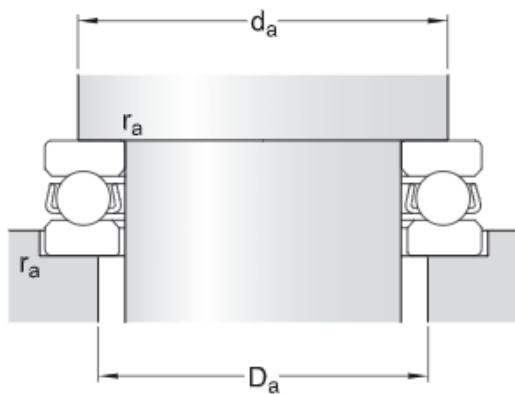


DIMENSIONS

d	17 mm	Bore diameter
D	30 mm	Outside diameter
H	9 mm	Height
d_1	≈ 30 mm	Outside diameter shaft washer
D_1	≈ 18 mm	Inner diameter housing washer
$r_{1,2}$	min. 0.3 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS

d_a	min. 25 mm	Abutment diameter shaft
D_i	max. 22 mm	Abutment diameter housing
r_a	max. 0.3 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	11.4 kN
Basic static load rating	C ₀	21.2 kN
Fatigue load limit	P _u	0.78 kN
Reference speed		8 500 r/min
Limiting speed		12 000 r/min
Minimum load factor	A	0.002

MASS

Mass bearing (including seat washer where applicable)	0.025 kg
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More information

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

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