



51104 Thrust ball bearings, single direction

- Popular item

Thrust ball bearings, single direction

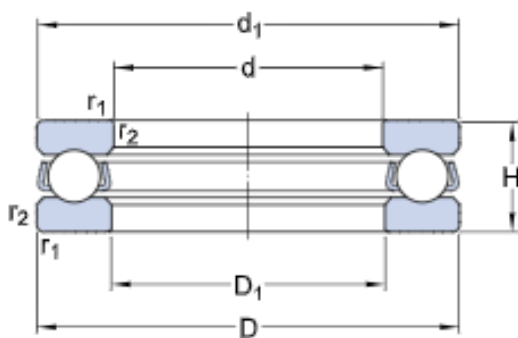
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

Technical specification

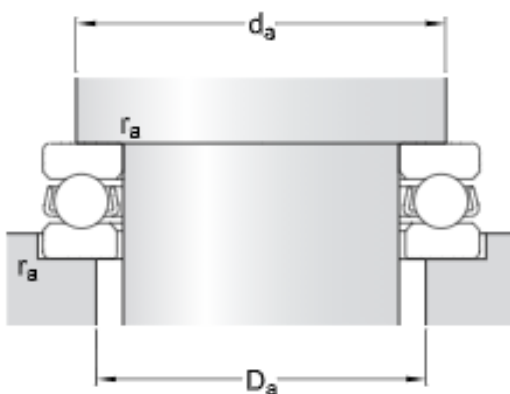


DIMENSIONS

d	20 mm	Bore diameter
D	35 mm	Outside diameter
H	10 mm	Height
d_1	≈ 35 mm	Outside diameter shaft washer
D_1	≈ 21 mm	Inner diameter housing washer
$r_{1,2}$	min. 0.3 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS

d_a	min. 29 mm	Abutment diameter shaft
D_i	max. 26 mm	Abutment diameter housing
r_a	max. 0.3 mm	Fillet radius



CALCULATION DATA

C	15.1 kN	Basic dynamic load rating
C ₀	29 kN	Basic static load rating
P _u	1.08 kN	Fatigue load limit
	7 500 r/min	Reference speed
	10 000 r/min	Limiting speed
A	0.004	Minimum load factor

MASS

0.037 kg	Mass bearing (including seat washer where applicable)
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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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