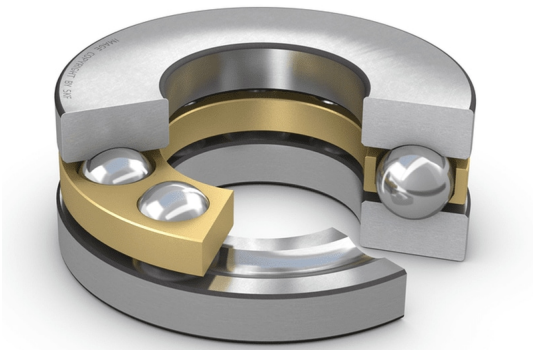




51140 M Thrust ball bearings, single direction

- Popular item

Thrust ball bearings, single direction

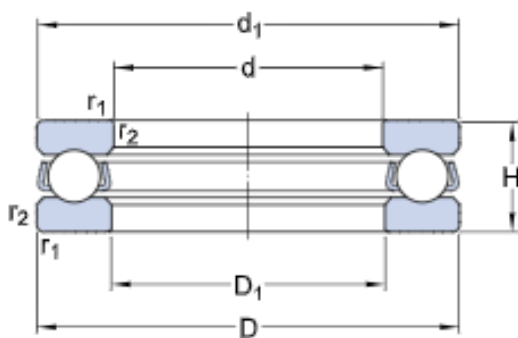
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

Technical specification

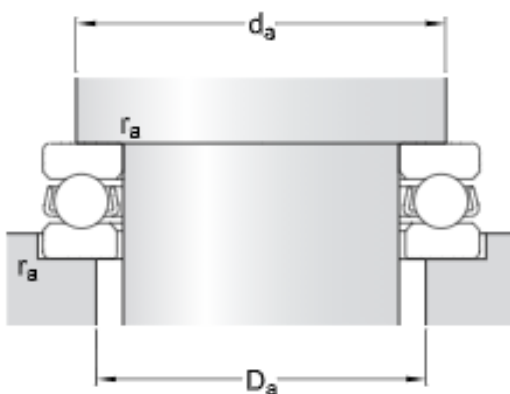


DIMENSIONS

d	200 mm	Bore diameter
D	250 mm	Outside diameter
H	37 mm	Height
d_1	≈ 247 mm	Outside diameter shaft washer
D_1	≈ 203 mm	Inner diameter housing washer
$r_{1,2}$	min. 1.1 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS

d_a	min. 230 mm	Abutment diameter shaft
D_i	max. 220 mm	Abutment diameter housing
r_a	max. 1 mm	Fillet radius



CALCULATION DATA

C	168 kN	Basic dynamic load rating
C ₀	710 kN	Basic static load rating
P _u	17.6 kN	Fatigue load limit
	1 400 r/min	Reference speed
	1 900 r/min	Limiting speed
A	2.6	Minimum load factor

MASS

4.25 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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