



51430 M

Thrust ball bearings, single direction

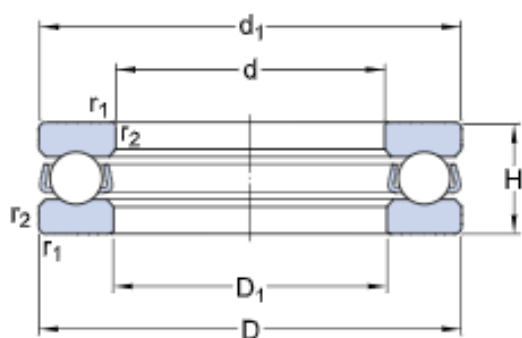
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

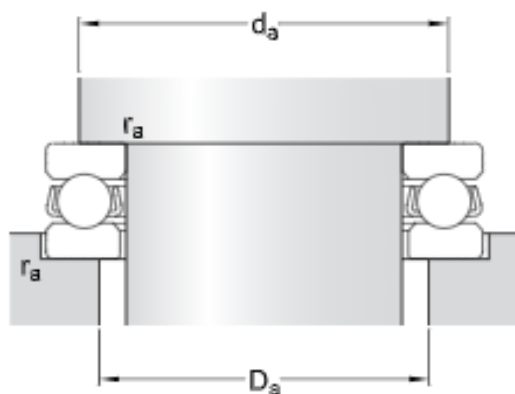
[Seat tolerances for standard](#)
[conditions,](#)
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	150 mm
D	300 mm
H	120 mm
d ₁	≈ 295 mm
D ₁	≈ 154 mm
r _{1,2}	min. 4 mm



ABUTMENT DIMENSIONS

d _a	min. 239 mm
D _a	max. 211 mm
r _a	max. 3 mm

CALCULATION DATA

Basic dynamic load rating	C	559 kN
Basic static load rating	C ₀	1 960 kN
Fatigue load limit	P _u	48 kN
Reference speed		670 r/min
Limiting speed		950 r/min
Minimum load factor	A	20

MASS

Mass bearing (including seat washer where applicable)	42.5 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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