



51316

- Popular item

Thrust ball bearings, single direction

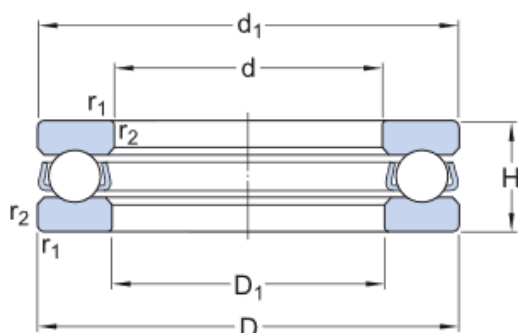
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

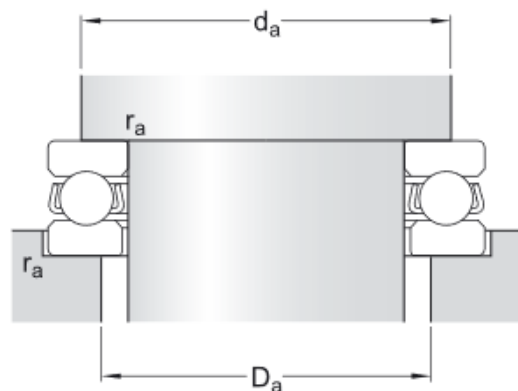
Technical specification



DIMENSIONS

d	80 mm	Bore diameter
D	140 mm	Outside diameter
H	44 mm	Height
d ₁	≈ 140 mm	Outside diameter shaft washer
D ₁	≈ 82 mm	Inner diameter housing washer
r _{1,2}	min. 1.5 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS



da	min.116 mm	Abutment diameter shaft
Da	max.104 mm	Abutment diameter housing
ra	max.1.5 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	159 kN
Basic static load rating	C ₀	390 kN
Fatigue load limit	P _u	13.7 kN
Reference speed		1 700 r/min
Limiting speed		2 400 r/min
Minimum load factor	A	0.79

MASS

Mass bearing (including seat washer where applicable)	2.7 kg
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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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