

51116

Popular item

Thrust ball bearings, single direction

Bearing data

Tolerances,

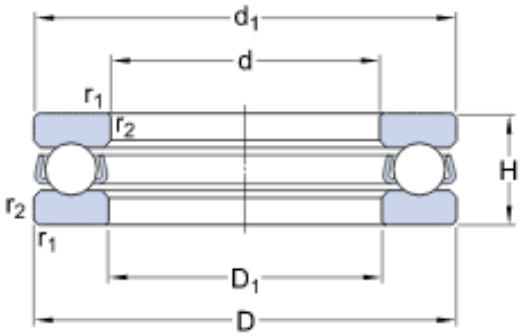
table 1

Bearing interfaces

Seat tolerances for standard conditions,

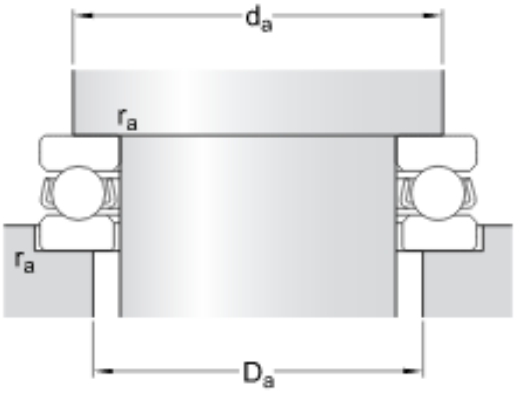
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	80 mm
D	105 mm
H	19 mm
d_1	≈ 105 mm
D_1	≈ 82 mm
$r_{1,2}$	min. 1 mm



ABUTMENT DIMENSIONS

d_a	min. 95 mm
D_a	max. 90 mm
r_a	max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	44.9 kN
Basic static load rating	C_0	140 kN
Fatigue load limit	P_u	5.1 kN
Reference speed		3000 r/min
Limiting speed		4300 r/min
Minimum load factor	A	0.12

MASS

Mass bearing (including seat washer where applicable)	0.42 kg

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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