



# 51111

Popular item

## Thrust ball bearings, single direction

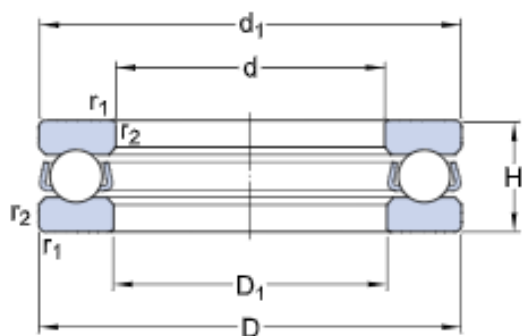
### Bearing data

[Tolerances,](#)  
table 1

### Bearing interfaces

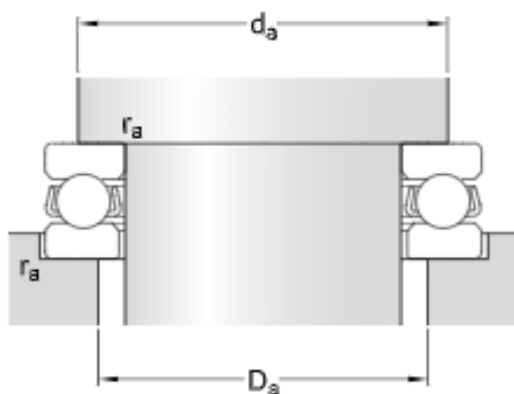
[Seat tolerances for standard](#)  
[conditions,](#)  
[Tolerances and resultant fit](#)

## Technical specification



### DIMENSIONS

d	55 mm
D	78 mm
H	16 mm
d <sub>1</sub>	≈ 78 mm
D <sub>1</sub>	≈ 57 mm
r <sub>1,2</sub>	min. 0.6 mm



### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 69 mm
D <sub>a</sub>	max. 64 mm
r <sub>a</sub>	max. 0.6 mm

## CALCULATION DATA

Basic dynamic load rating	C	30.2 kN
Basic static load rating	C <sub>0</sub>	81.5 kN
Fatigue load limit	P <sub>u</sub>	3 kN
Reference speed		3 800 r/min
Limiting speed		5 300 r/min
Minimum load factor	A	0.039

## MASS

Mass bearing (including seat washer where applicable)	0.23 kg
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## More information

Product details	Engineering information	Tools
<a href="#">Designs and variants</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Bearing Select</a>
<a href="#">Bearing data</a>	<a href="#">General bearing knowledge</a>	<a href="#">Engineering Calculator</a>
<a href="#">Loads</a>	<a href="#">Bearing selection process</a>	<a href="#">SimPro Quick</a>
<a href="#">Temperature limits</a>	<a href="#">Bearing interfaces</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Permissible speed</a>	<a href="#">Seat tolerances for standard conditions</a>	<a href="#">Heater selection tool</a>
<a href="#">Mounting</a>	<a href="#">Lubrication</a>	
<a href="#">Designation system</a>	<a href="#">External sealing, mounting and dismounting</a>	
	<a href="#">Bearing failure and how to prevent it</a>	

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