

## 51148 M Thrust ball bearings, single direction

- Popular item

### Thrust ball bearings, single direction

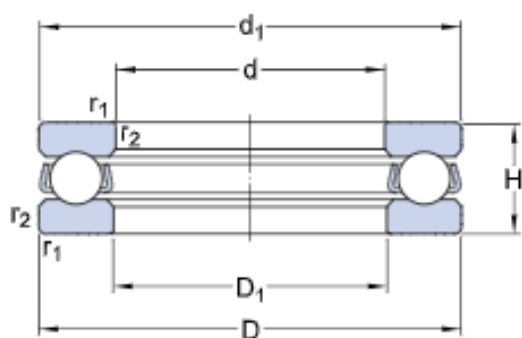
#### Bearing data

[Tolerances,](#)  
table 1

#### Bearing interfaces

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

### Technical specification

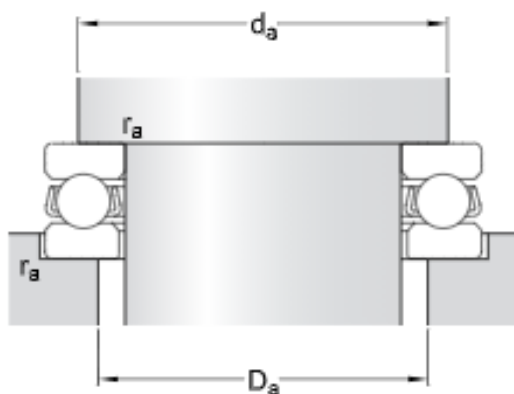


#### DIMENSIONS

d	240 mm	Bore diameter
D	300 mm	Outside diameter
H	45 mm	Height
$d_1$	$\approx 297$ mm	Outside diameter shaft washer
$D_1$	$\approx 243$ mm	Inner diameter housing washer
$r_{1,2}$	min. 1.5 mm	Chamfer dimension washer

#### ABUTMENT DIMENSIONS

$d_a$	min. 276 mm	Abutment diameter shaft
$D_a$	max. 264 mm	Abutment diameter housing
$r_a$	max. 1.5 mm	Fillet radius



## CALCULATION DATA

C	234 kN	Basic dynamic load rating
C <sub>0</sub>	1 040 kN	Basic static load rating
P <sub>u</sub>	23.6 kN	Fatigue load limit
	1 100 r/min	Reference speed
	1 600 r/min	Limiting speed
A	5.6	Minimum load factor

## MASS

7.55 kg	Mass bearing (including seat washer where applicable)
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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>	