

## 51156 M Thrust ball bearings, single direction

- Popular item

### Thrust ball bearings, single direction

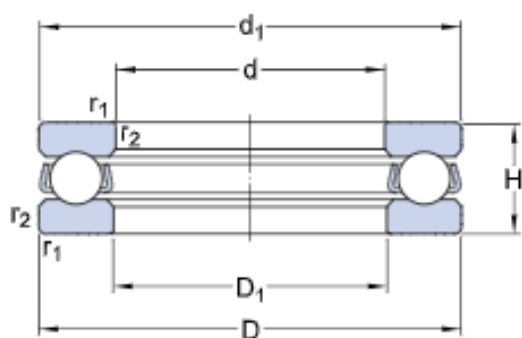
#### Bearing data

[Tolerances,](#)  
table 1

#### Bearing interfaces

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

### Technical specification

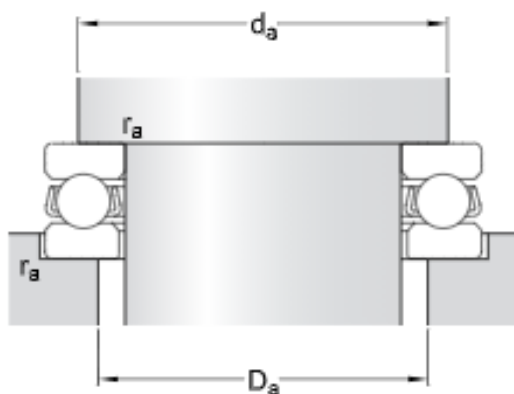


#### DIMENSIONS

d	280 mm	Bore diameter
D	350 mm	Outside diameter
H	53 mm	Height
$d_1$	≈ 347 mm	Outside diameter shaft washer
$D_1$	≈ 283 mm	Inner diameter housing washer
$r_{1,2}$	min. 1.5 mm	Chamfer dimension washer

#### ABUTMENT DIMENSIONS

$d_a$	min. 322 mm	Abutment diameter shaft
$D_a$	max. 308 mm	Abutment diameter housing
$r_a$	max. 1.5 mm	Fillet radius



## CALCULATION DATA

C	319 kN	Basic dynamic load rating
C <sub>0</sub>	1 460 kN	Basic static load rating
P <sub>u</sub>	30.5 kN	Fatigue load limit
	950 r/min	Reference speed
	1 300 r/min	Limiting speed
A	11	Minimum load factor

## MASS

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

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