





Single direction thrust ball bearing

Single direction thrust ball bearings can accommodate axial loads in one direction. They must not be subjected to any radial load. Their separable components facilitate mounting/dismounting and maintenance inspections. Many of the components are interchangeable. The shaft washers have a ground bore that enables an interference fit.

- Separable design facilitates mounting/dismounting and maintenance inspections
- Interchangeable components
- Ground bore of shaft washers enable interference fit

Reference speed

Overview

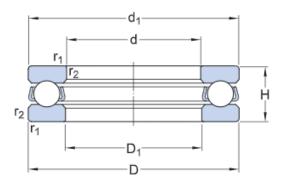
Dimensions Performance Bore diameter 17 mm 11.4 kN Basic dynamic load rating 21.2 kN Outside diameter 30 mm Basic static load rating Thickness 9 mm Limiting speed 12 000 r/min 8 500 r/min

Properties

Axial load capability	Single-direction
Cage	Sheet metal
Coating	Without
Housing washer type	Flat
Material, bearing	Bearing steel
Number of rows	1
Tolerance class	Normal

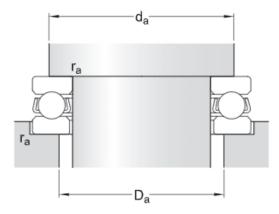


Technical Specification



Dimensions

d	17 mm	Bore diameter	
D	30 mm	Outside diameter	
Н	9 mm	Height	
d_1	≈ 30 mm	Outside diameter shaft washer	
D_1	≈18 mm	Inner diameter housing washer	
r _{1,2}	min. 0.3 mm	Chamfer dimension washer	



Abutment dimensions

d _a min. 25 mm	Abutment diameter shaft	
D _a max. 22 mm	Abutment diameter housing	
r _a max. 0.3 mm	Fillet radius	

Calculation data

Basic dynamic load rating	С	11.4 kN
Basic static load rating	C _O	21.2 kN
Fatigue load limit	P _u	0.78 kN
Reference speed		8 500 r/min
Limiting speed		12 000 r/min
Minimum load factor	А	0.0023



Mass

Mass bearing (including seat washer where applicable)



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