





### 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

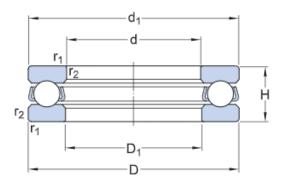
#### Dimensions Performance Bore diameter 25 mm 18.2 kN Basic dynamic load rating Outside diameter 42 mm 39 kN Basic static load rating Thickness 11 mm Limiting speed 9 000 r/min 6 300 r/min

#### 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



D<sub>a</sub>-

#### Dimensions

d	25 mm	Bore diameter
D	42 mm	Outside diameter
Н	11 mm	Height
$d_1$	≈ 42 mm	Outside diameter shaft washer
$D_1$	≈ 26 mm	Inner diameter housing washer
r <sub>1,2</sub>	min. 0.6 mm	Chamfer dimension washer

# d<sub>a</sub>

#### Abutment dimensions

d <sub>a</sub> min. 35 mm	Abutment diameter shaft
D <sub>a</sub> max. 32 mm	Abutment diameter housing
r <sub>a</sub> max. 0.6 mm	Fillet radius

#### Calculation data

ra

ra

Basic dynamic load rating	С	18.2 kN
Basic static load rating	C <sub>O</sub>	39 kN
Fatigue load limit	Pu	1.43 kN
Reference speed		6 300 r/min
Limiting speed		9 000 r/min
Minimum load factor	А	0.0079



0.056 kg

Mass

Mass bearing (including seat washer where applicable)



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