

BGSB 358371

Single row cylindrical roller thrust bearings are designed to accommodate heavy axial loads and peak loads in one direction, but not radial loads. They provide a high degree of stiffness and require little axial space. They are mainly used in applications where thrust ball bearings do not have sufficient load carrying capacity. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.



- High axial load carrying capacity
- High stiffness
- Long service life
- Require little axial space
- Separable design



Dimensions		
d	508 mm	Bore diameter
D	762 mm	Outside diameter
H	139.7 mm	Height
d ₁	758.83 mm	Outside diameter shaft washer
D ₁	511.18 mm	Bore diameter housing washer
B	37.84 mm	Height shaft washer
r _{1,2}	min. 6.4 mm	Chamfer dimension housing washer



Abutment dimensions		
d _a	min. 727 mm	Abutment diameter shaft
D _a	max. 557 mm	Abutment diameter housing
r _a	max. 6 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	4 900 kN
Basic static load rating	C ₀	26 500 kN
Fatigue load limit	P _u	1 660 kN
Reference speed		220 r/min
Limiting speed		430 r/min
Minimum axial load factor	A	56.18

Included products

Shaft washer	IW-BGSB 358371
Housing washer	OW-BGSB 358371

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions