

358060

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	530 mm	Bore diameter
D	710 mm	Outside diameter
H	120 mm	Height
d ₁	704 mm	Outside diameter shaft washer
D ₁	536 mm	Bore diameter housing washer
B	30 mm	Height shaft washer
r _{1,2}	min. 5 mm	Chamfer dimension housing washer



Abutment dimensions		
d _a	min. 680 mm	Abutment diameter shaft
D _a	max. 560 mm	Abutment diameter housing
r _a	max. 4 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	3 650 kN
Basic static load rating	C ₀	18 600 kN
Fatigue load limit	P _u	1 180 kN
Reference speed		200 r/min
Limiting speed		400 r/min
Minimum axial load factor	A	27.677

Included products

Shaft washer	IW-358060
Housing washer	OW-358060

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions