

812/500 M

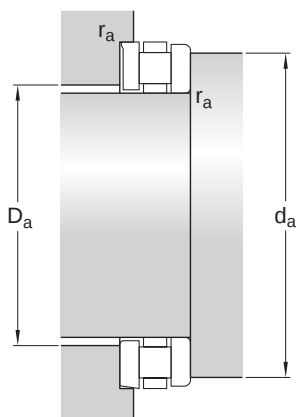
Single row cylindrical roller thrust bearings are designed to accommodate heavy axial loads and peak loads in one direction, but not radial loads. They provide a high degree of stiffness and require little axial space. They are mainly used in applications where thrust ball bearings do not have sufficient 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	500 mm	Bore diameter
D	670 mm	Outside diameter
H	135 mm	Height
d ₁	665 mm	Outside diameter shaft washer
D ₁	505 mm	Bore diameter housing washer
B	39.5 mm	Height shaft washer
r _{1,2}	min. 5 mm	Chamfer dimension housing washer



Abutment dimensions		
d _a	min. 661 mm	Abutment diameter shaft
D _a	max. 540 mm	Abutment diameter housing
r _a	max. 4 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	3 200 kN
Basic static load rating	C ₀	16 300 kN
Fatigue load limit	P _u	1 060 kN
Reference speed		190 r/min
Limiting speed		380 r/min
Minimum axial load factor	A	21.255

Included products

Shaft washer	IW-812/500
Housing washer	OW-812/500

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions