

89196 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	480 mm	Bore diameter
D	580 mm	Outside diameter
H	60 mm	Height
d ₁	577 mm	Outside diameter shaft washer
D ₁	483 mm	Bore diameter housing washer
B	17.5 mm	Height shaft washer
r _{1,2}	min. 2.1 mm	Chamfer dimension housing washer



Abutment dimensions		
d _a	min. 555 mm	Abutment diameter shaft
D _a	max. 505 mm	Abutment diameter housing
r _a	max. 2 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	1 100 kN
Basic static load rating	C ₀	6 950 kN
Fatigue load limit	P _u	465 kN
Reference speed		320 r/min
Limiting speed		630 r/min
Minimum axial load factor	A	3.9

Included products

Shaft washer	IW-89196
Housing washer	OW-89196

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions