

811/1120 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	1 120 mm	Bore diameter
D	1 320 mm	Outside diameter
H	160 mm	Height
d ₁	1 314 mm	Outside diameter shaft washer
D ₁	1 126 mm	Bore diameter housing washer
B	48 mm	Height shaft washer
r _{1,2}	min. 5 mm	Chamfer dimension housing washer



Abutment dimensions		
d _a	min. 1 284 mm	Abutment diameter shaft
D _a	max. 1 156 mm	Abutment diameter housing
r _a	max. 4 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	6 000 kN
Basic static load rating	C ₀	41 500 kN
Fatigue load limit	P _u	2 160 kN
Reference speed		110 r/min
Limiting speed		220 r/min
Minimum axial load factor	A	140

Included products

Shaft washer	IW-811/1120
Housing washer	OW-811/1120

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions