

511/630 F

Single direction thrust ball bearings can accommodate axial loads in one direction. They must not be subjected to any radial load. Their separable components facilitate mounting/dismounting and maintenance inspections. Many of the components are interchangeable. The shaft washers have a ground bore that enables an interference fit.



- Separable design facilitates mounting/dismounting and maintenance inspections
- Interchangeable components
- Ground bore of shaft washers enable interference fit



Dimensions		
d	630 mm	Bore diameter
D	750 mm	Outside diameter
H	95 mm	Height
d ₁	≈ 745 mm	Outside diameter shaft washer
D ₁	≈ 634 mm	Inner diameter housing washer
r _{1,2}	min. 3 mm	Chamfer dimension washer



Abutment dimensions		
da	min. 702 mm	Abutment diameter shaft
Da	max. 678 mm	Abutment diameter housing
ra	max. 2.5 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	728 kN
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Basic static load rating	C ₀	5 400 kN
Fatigue load limit	P _u	76.5 kN
Reference speed		450 r/min
Limiting speed		630 r/min
Minimum load factor	A	150

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit