

51420 M

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	100 mm	Bore diameter
D	210 mm	Outside diameter
H	85 mm	Height
d ₁	≈ 205 mm	Outside diameter shaft washer
D ₁	≈ 103 mm	Inner diameter housing washer
r _{1,2}	min. 3 mm	Chamfer dimension washer



Abutment dimensions		
d _a	min. 165 mm	Abutment diameter shaft
D _a	max. 145 mm	Abutment diameter housing
r _a	max. 2.5 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	371 kN
---------------------------	---	--------

Basic static load rating	C ₀	1 060 kN
Fatigue load limit	P _u	31.5 kN
Reference speed		950 r/min
Limiting speed		1 400 r/min
Minimum load factor	A	5.8

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit