

51103

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	17 mm	Bore diameter
D	30 mm	Outside diameter
H	9 mm	Height
d ₁	≈ 30 mm	Outside diameter shaft washer
D ₁	≈ 18 mm	Inner diameter housing washer
r _{1,2}	min. 0.3 mm	Chamfer dimension washer



Abutment dimensions		
da	min. 25 mm	Abutment diameter shaft
Da	max. 22 mm	Abutment diameter housing
ra	max. 0.3 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	11.4 kN
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Basic static load rating	C ₀	21.2 kN
Fatigue load limit	P _u	0.78 kN
Reference speed		8 500 r/min
Limiting speed		12 000 r/min
Minimum load factor	A	0.0023

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit