

SKF 53310

Single direction thrust ball bearing with sphered housing washer



Single direction thrust ball bearings, with sphered housing washer, can accommodate axial loads in one direction. They must not be subjected to any radial load. Many of the components are interchangeable. The shaft washers have a ground bore that enables an interference fit. The sphered housing washers can accommodate initial misalignment when configured correctly with a sphered seat washer or a machine component with a sphered surface.

Technical specifications

Dimensions	
Bore diameter	50 mm
Outside diameter	95 mm
Height	34.3 mm
Height bearing including seat washer	37 mm
Outside diameter shaft washer	95 mm
Inner diameter housing washer	52 mm
Inner diameter seat washer	72 mm
Outside diameter seat washer	100 mm
Height seat washer	11 mm
Radius sphered housing washer	72 mm
Centre height housing washer sphere	28 mm
Chamfer dimension washer	1.1 mm
Radius of aligning surface	72 mm

Abutment dimensions	
Abutment diameter shaft	77 mm
Abutment diameter housing	72 mm
Fillet radius	1 mm

Calculation data	
Basic dynamic load rating	81.9 kN
Basic static load rating	170 kN
Fatigue load limit	6.3 kN
Reference speed	2400 r/min
Limiting speed	3400 r/min
Minimum load factor	0.19

Associated products	
Seat washer	U 310

Performance	
Basic dynamic load rating	81.9 kN
Basic static load rating	170 kN
Reference speed	2400 r/min
Limiting speed	3400 r/min

Properties	
Axial load capability	Single-direction
Number of rows	1
Cage	Sheet metal
Housing washer type	Sphered
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Indicative carbon footprint for new product	3.4 kg CO ₂

Logistics	

Product net weight	0.941 kg
eClass code	23-05-10-01
UNSPSC code	31171507

SKF drawings



