

SKF 53207

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	35 mm
Outside diameter	62 mm
Height	19.9 mm
Height bearing including seat washer	22 mm
Outside diameter shaft washer	62 mm
Inner diameter housing washer	37 mm
Inner diameter seat washer	48 mm
Outside diameter seat washer	65 mm
Height seat washer	7 mm
Radius sphered housing washer	50 mm
Centre height housing washer sphere	24 mm
Chamfer dimension washer	1 mm
Radius of aligning surface	50 mm

Abutment dimensions	
Abutment diameter shaft	51 mm
Abutment diameter housing	48 mm
Fillet radius	1 mm

Calculation data	
Basic dynamic load rating	35.1 kN
Basic static load rating	73.5 kN
Fatigue load limit	2.7 kN
Reference speed	4000 r/min
Limiting speed	5600 r/min
Minimum load factor	0.03

Associated products	
Seat washer	U 207

Performance	
Basic dynamic load rating	35.1 kN
Basic static load rating	73.5 kN
Reference speed	4000 r/min
Limiting speed	5600 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	0.76 kg CO ₂

Logistics	
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Product net weight	0.21 kg
eClass code	23-05-10-01
UNSPSC code	31171507

SKF drawings



