

SKF 53208

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 | 40 mm |
| Outside diameter | 68 mm |
| Height | 20.3 mm |
| Height bearing including seat washer | 23 mm |
| Outside diameter shaft washer | 68 mm |
| Inner diameter housing washer | 42 mm |
| Inner diameter seat washer | 55 mm |
| Outside diameter seat washer | 72 mm |
| Height seat washer | 7 mm |
| Radius sphered housing washer | 56 mm |
| Centre height housing washer sphere | 28.5 mm |
| Chamfer dimension washer | 1 mm |
| Radius of aligning surface | 56 mm |

| Abutment dimensions | |
|---------------------------|-------|
| Abutment diameter shaft | 57 mm |
| Abutment diameter housing | 55 mm |
| Fillet radius | 1 mm |

| Calculation data | |
|---------------------------|------------|
| Basic dynamic load rating | 44.2 kN |
| Basic static load rating | 96.5 kN |
| Fatigue load limit | 3.6 kN |
| Reference speed | 3600 r/min |
| Limiting speed | 5300 r/min |
| Minimum load factor | 0.06 |

| Associated products | |
|---------------------|-------|
| Seat washer | U 208 |

| Performance | |
|---------------------------|------------|
| Basic dynamic load rating | 44.2 kN |
| Basic static load rating | 96.5 kN |
| Reference speed | 3600 r/min |
| Limiting speed | 5300 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 | 0.97 kg CO ₂ e |

| Logistics | |
|-----------|--|
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|--------------------|-------------|
| Product net weight | 0.27 kg |
| eClass code | 23-05-10-01 |
| UNSPSC code | 31171507 |

SKF drawings



