

# 51112 SKF Da max. 70 mm 60x85x17mm Thrust ball bearings

|                               |                     |
|-------------------------------|---------------------|
| Bearing number                | 51112               |
| Size (mm)                     | 60x85x17            |
| Brand                         | SKF                 |
| Bore Diameter (mm)            | 60                  |
| Outer Diameter (mm)           | 85                  |
| Width (mm)                    | 17                  |
| d                             | 60 mm               |
| D                             | 85 mm               |
| H                             | 17 mm               |
| d1                            | 85 mm               |
| r1 min.                       | 1 mm                |
| r2 min.                       | 1 mm                |
| D1                            | 62 mm               |
| da min.                       | 75 mm               |
| Da max.                       | 70 mm               |
| ra max.                       | 1 mm                |
| Weight                        | 0.27 Kg             |
| Basic dynamic load rating (C) | 41.6 kN             |
| Basic static load rating (C0) | 122 kN              |
| Fatigue load limit (Pu)       | 4.55                |
| Reference speed               | 3600 r/min          |
| Limiting speed                | 5000 r/min          |
| Category                      | Thrust Ball Bearing |
| BDI Inventory                 | 0.0                 |

|                            |   |
|----------------------------|---|
| Manufacturer Name          | SKF   |
| Minimum Buy Quantity       | N/A   |
| Weight / Kilogram          | 0.309   |
| EAN                        | 7316576677489   |
| Product Group – BDI        | B00308  |
| Rolling Element            | Ball Bearing  |
| Thrust Bearing             | Yes   |
| Single or Double Direction | Single Direction  |
| Banded                     | No  |
| Cage Material              | Steel   |
| Precision Class            | ABEC 1   ISO P0   |
| Component Description      | Roller Assembly Plus Raceways   |
| Other Features             | Single Row  |
| Long Description           | 60MM Bore 1; 62MM Bore 2; 85MM Outside Diameter; 17MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; ABEC 1   ISO P0 Precision |
| Inch – Metric              | Metric  |
| Category – BDI             | Thrust Ball Bearings  |
| UNSPSC                     | 31171507  |
| Harmonized Tariff Code     | 8482.10.50.08   |
| Noun                       | Bearing   |
| Keyword String             | Ball Thrust   |
| Manufacturer URL           | <a href="http://www.skf.com">http://www.skf.com</a>   |
| Manufacturer Item Number   | 51112   |
| Weight / LBS               | 0.68  |
| Outside Diameter           | 3.346 Inch   85 Millimeter  |
| Bore 2                     | 2.441 Inch   62 Millimeter  |
| Bore 1                     | 2.362 Inch   60 Millimeter  |

|   |                            |
|---|----------------------------|
| Height  | 0.669 Inch   17 Millimeter |
| Overall Height with Aligning Washer                   | 0 Inch   0 Millimeter      |
| bore diameter:  | 60 mm                      |
| static load capacity:                                 | 122 kN                     |
| outside diameter:                                     | 85 mm                      |
| dynamic load capacity:                                | 41.6 kN                    |
| overall width:  | 17 mm                      |
| maximum rpm:  | 5000 RPM                   |
| thrust bearing type:                                  | Single-Direction           |
| cage material:  | Steel                      |
| outside diameter design:                              | Straight                   |
| fillet radius:  | 1 mm                       |
| separable or banded:                                  | Separable                  |
| series:   | 511                        |
| precision rating:                                     | ABEC 1 (ISO Class Normal)  |
| $d_1 \approx$   | 85 mm                      |
| $D_1 \approx$   | 62 mm                      |
| $r_{1,2} \text{ min.}$                                | 1 mm                       |
| $d_a \text{ min.}$                                    | 75 mm                      |
| $D_a \text{ max.}$                                    | 70 mm                      |
| $r_a \text{ max.}$                                    | 1 mm                       |
| Basic dynamic load rating C                           | 41.6 kN                    |
| Basic static load rating $C_0$                        | 122 kN                     |
| Fatigue load limit $P_u$                              | 4.55 kN                    |
| Minimum load factor A                                 | 0.077                      |
| Mass bearing (including seat washer where applicable) | 0.27 kg                    |