

**51111 SKF Mass bearing
(including seat washer where
applicable) 0.23 kg
55x78x16mm Thrust ball
bearings**

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| Bearing number | 51111 |
| Size (mm) | 55x78x16 |
| Brand | SKF |
| Bore Diameter (mm) | 55 |
| Outer Diameter (mm) | 78 |
| Width (mm) | 16 |
| d | 55 mm |
| D | 78 mm |
| H | 16 mm |
| d1 | 78 mm |
| r1 min. | 0.6 mm |
| r2 min. | 0.6 mm |
| D1 | 57 mm |
| da min. | 69 mm |
| Da max. | 64 mm |
| ra max. | 0.6 mm |
| Weight | 0.23 Kg |
| Basic dynamic load rating (C) | 30.2 kN |
| Basic static load rating (C0) | 81.5 kN |
| Fatigue load limit (Pu) | 3 |
| Reference speed | 3800 r/min |

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| Limiting speed | 5300 r/min |
| Category | Thrust Ball Bearing |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.232 |
| EAN | 7316576677434 |
| 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 | 55MM Bore 1; 57MM Bore 2; 78MM Outside Diameter; 16MM 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 | http://www.skf.com |
| Manufacturer Item Number | 51111 |
| Weight / LBS | 0.512 |

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| Overall Height with Aligning Washer | 0 Inch 0 Millimeter |
| Bore 1 | 2.165 Inch 55 Millimeter |
| Bore 2 | 2.244 Inch 57 Millimeter |
| Height | 0.63 Inch 16 Millimeter |
| Outside Diameter | 3.071 Inch 78 Millimeter |
| bore diameter: | 55 mm |
| static load capacity: | 81.5 kN |
| outside diameter: | 78 mm |
| dynamic load capacity: | 30.2 kN |
| overall width: | 16 mm |
| maximum rpm: | 5300 RPM |
| thrust bearing type: | Single-Direction |
| cage material: | Steel |
| outside diameter design: | Straight |
| fillet radius: | 0.6 mm |
| separable or banded: | Separable |
| series: | 511 |
| precision rating: | ABEC 1 (ISO Class Normal) |
| $d_1 \approx$ | 78 mm |
| $D_1 \approx$ | 57 mm |
| $r_{1,2} \text{ min.}$ | 0.6 mm |
| $d_a \text{ min.}$ | 69 mm |
| $D_a \text{ max.}$ | 64 mm |
| $r_a \text{ max.}$ | 0.6 mm |
| Basic dynamic load rating C | 30.2 kN |
| Basic static load rating C_0 | 81.5 kN |
| Fatigue load limit P_u | 3 kN |

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| Minimum load factor A | 0.039 |
| Mass bearing (including seat washer where applicable) | 0.23 kg |