

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

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

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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	51111
Weight / LBS	0.512

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

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