

# 51116 SKF Basic dynamic load rating C 44.9 kN 80x105x19mm Thrust ball bearings

Bearing number	51116
Size (mm)	80x105x19
Brand	SKF
Bore Diameter (mm)	80
Outer Diameter (mm)	105
Width (mm)	19
d	80 mm
D	105 mm
H	19 mm
d1	105 mm
r1 min.	1 mm
r2 min.	1 mm
D1	82 mm
da min.	95 mm
Da max.	90 mm
ra max.	1 mm
Weight	0.42 Kg
Basic dynamic load rating (C)	44.9 kN
Basic static load rating (C0)	140 kN
Fatigue load limit (Pu)	5.1
Reference speed	3000 r/min
Limiting speed	4300 r/min
Category	Thrust Ball Bearing
BDI Inventory	0.0

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.43
EAN	7316576677687
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	80MM Bore 1; 82MM Bore 2; 105MM Outside Diameter; 19MM 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	51116
Weight / LBS	0.948
Overall Height with Aligning Washer	0 Inch   0 Millimeter
Bore 2	3.228 Inch   82 Millimeter

Outside Diameter	4.134 Inch   105 Millimeter
Height	0.748 Inch   19 Millimeter
Bore 1	3.15 Inch   80 Millimeter
bore diameter:	80 mm
static load capacity:	140 kN
outside diameter:	105 mm
dynamic load capacity:	44.9 kN
overall width:	19 mm
maximum rpm:	4300 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)
$d_1 \approx$	105 mm
$D_1 \approx$	82 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	95 mm
$D_a \text{ max.}$	90 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	44.9 kN
Basic static load rating $C_0$	140 kN
Fatigue load limit $P_u$	5.1 kN
Minimum load factor A	0.12
Mass bearing (including seat washer where applicable)	0.42 kg