



BEARING DRIVESHAFT, INC.



skf 51116 bearing

Bearing No. 51116

Size	80x105x19 mm
Bore Diameter	80 mm
Outer Diameter	105 mm
Width	19 mm
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
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.43
Product Group	B00308

51116 Bearing 2D drawings and 3D CAD models



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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	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	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



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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	105 mm
D_1	82 mm
$r_{1,2}$ min.	1 mm
d_a min.	95 mm
D_a max.	90 mm
r_a 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