



Bearing No. 81107 TN

D	52 mm
d	35 mm
H	12 mm
B	3.5 mm
Noun	Bearing
Height	0.472 Inch 12 Millimeter
Bore 2	1.457 Inch 37 Millimeter
Banded	No
Bore 1	1.378 Inch 35 Millimeter
UNSPSC	31171507
series:	811
Category	Thrust Roller Bearings
Size (mm)	52x35x12
Inventory	0.0
Keyword 3	Cylindrical
Width (mm)	12
maximum rpm:	5600 rpm
Weight / LBS	0.161
Mass bearing	0.073 kg
Product Group	B04144
Inch - Metric	Metric
Self Aligning	No
D ₁	37 mm
D ₁	37 mm
d ₁	52 mm
d ₁	52 mm
washer width:	3.5 mm
Cage Material	Polyamide

Keyword String	Thrust Roller Cylindrical
Other Features	Single Row Injection Molded Cage
bore diameter:	35 mm
fillet radius:	0.6 mm
overall width:	12 mm
cage material:	Polyamide 66
Bearing number	81107 TN
Limiting speed	5600 r/min
Thrust Bearing	Yes
Precision Class	ABEC 1 ISO P0
Rolling Element	Cylindrical Roller Bearing
Reference speed	2800 r/min
Outside Diameter	2.047 Inch 52 Millimeter
Long Description	35MM Bore 1; 37MM Bore 2; 52MM Outside Diameter; 12MM Height; Cylindrical Roller Bearing; Single Direction; Not Self Aligning; Not Banded; Polyamide Cage; ABEC 1 ISO P0; Roller Assembly plus Raceway
Manufacturer URL	http://www.skf.com
outside diameter:	52 mm
bearing material:	Steel
Manufacturer Name	SKF
Weight / Kilogram	0.07
Bore Diameter (mm)	52
r _a max.	0.6 mm
d _a min.	51 mm
D _a max.	36 mm
compatible washers:	LS3552, WS81107,

	GS81107
Outer Diameter (mm)	35
r_a - max.	0.6 mm
D_a - max.	36 mm
d_a - min.	51 mm
Minimum Buy Quantity	N/A
thrust bearing type:	Roller & Cage Assembly with Washers
$r_{1,2}$ min.	0.6 mm
static load capacity:	93 kN
Component Description	Roller Assembly plus Raceways
dynamic load capacity:	29 kN
Harmonized Tariff Code	8482.50.00.00
$r_{1,2}$ - min.	0.6 mm
manufacturer upc number:	7316577310538
Manufacturer Item Number	81107 TN
manufacturer product page:	Click here
Single or Double Direction	Single Direction
Basic dynamic load rating C	29 kN
Minimum axial load factor A	0.000692
operating temperature range:	Max 250 °F
Basic dynamic load rating - C	29 kN
housing washer inside diameter:	37 mm
Fatigue load limit P_u	9.15 kN
Fatigue load limit - P_u	9.2 kN



Overall Height with Aligning Washer	0 Inch 0 Millimeter
Basic static load rating C_0	93 kN
Basic static load rating - C_0	93 kN