



Bearing No. 81218 TN

B	10.5 mm
d	90 mm
D	135 mm
H	35 mm
Noun	Bearing
Banded	No
UNSPSC	31171507
Bore 2	3.661 Inch 93 Millimeter
Bore 1	3.543 Inch 90 Millimeter
Height	1.378 Inch 35 Millimeter
series:	812
Category	Thrust Roller Bearings
Keyword 3	Cylindrical
Size (mm)	135x90x35
Inventory	0.0
Width (mm)	35
Weight / LBS	3.858
maximum rpm:	2000 rpm
Mass bearing	1.77 kg
Inch - Metric	Metric
D ₁	93 mm
d ₁	135 mm
washer width:	10.5 mm
Product Group	B04144
Self Aligning	No
d ₁	135 mm
D ₁	93 mm
Cage Material	Polyamide

Limiting speed	2000 r/min
cage material:	Polyamide 66
overall width:	35 mm
fillet radius:	1.1 mm
bore diameter:	90 mm
Keyword String	Thrust Roller Cylindrical
Bearing number	81218 TN
Other Features	Single Row Injection Molded Cage
Thrust Bearing	Yes
Rolling Element	Cylindrical Roller Bearing
Precision Class	ABEC 1 ISO P0
Reference speed	1000 r/min
Outside Diameter	5.315 Inch 135 Millimeter
Long Description	90MM Bore 1; 93MM Bore 2; 135MM Outside Diameter; 35MM Height; Cylindrical Roller Bearing; Single Direction; Not Self Aligning; Not Banded; Polyamide Cage; ABEC 1 ISO P0; Roller Assembly plus Racewa
Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
bearing material:	Steel
Weight / Kilogram	1.854
outside diameter:	135 mm
d _a min.	129 mm
D _a max.	95 mm
r _a max.	1.1 mm
Bore Diameter (mm)	135
compatible washers:	GS81218, WS81218

Outer Diameter (mm)	90
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1.1 mm
thrust bearing type:	Roller & Cage Assembly with Washers
d_a - min.	129 mm
r_a - max.	1.1 mm
D_a - max.	95 mm
Component Description	Roller Assembly plus Raceways
static load capacity:	865 kN
Harmonized Tariff Code	8482.50.00.00
$r_{1,2}$ - min.	1.1 mm
dynamic load capacity:	232 kN
Manufacturer Item Number	81218 TN
manufacturer upc number:	7316570237863
manufacturer product page:	Click here
Single or Double Direction	Single Direction
Basic dynamic load rating C	232 kN
Minimum axial load factor A	0.0599
operating temperature range:	Max 250 °F
Basic dynamic load rating - C	232 kN
housing washer inside diameter:	93 mm
Fatigue load limit P_u	90 kN
Fatigue load limit - P_u	90 kN
Overall Height with Aligning Washer	0 Inch 0 Millimeter

Basic static load rating C_0	865 kN
Basic static load rating - C_0	865 kN