



**Bearing No. 6818**

D	115 mm
d	90 mm
B	13 mm
C	13 mm
f0	16.1
Mass	0.28 kg
Noun	Bearing
Bore	3.543 Inch   90 Millimeter
UNSPSC	31171504
da min	95 mm
Weight	0,285 Kg
rs min	1 mm
Da max	110 mm
r min.	1 mm
ra max	1 mm
da max	96 mm
Da max.	110 mm
ra max.	1 mm
da min.	95 mm
Category	Single Row Ball Bearing
Size (mm)	90x115x13
Snap Ring	No
Enclosure	Open
Inventory	0.0
bore type:	Round
Nlim (oil)	6,300 rpm
Width (mm)	13
Weight / LBS	0.6
Product Group	B00308

Nlim (grease)	5,400 rpm
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	90 mm
Other Features	Deep Groove
overall width:	13 mm
cage material:	Steel
fillet radius:	1 mm
Bearing number	6818
Dynamic load, C	19 kN
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Static load, C0	19.7 kN
finish/coating:	Uncoated
Outer Race Width	0.512 Inch   13 Millimeter
Long Description	90MM Bore; 115MM Outside Diameter; 13MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Inner Race Width	0 Inch   0 Millimeter
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Outside Diameter	4.528 Inch   115 Millimeter
Weight / Kilogram	0.272
outer ring width:	13 mm
bearing material:	High Carbon Chrome

	Steel
outside diameter:	115 mm
precision rating:	Class 0
Manufacturer Name	NTN
inner ring width:	13 mm
Internal Clearance	C0-Medium
maximum rpm (oil):	6300 rpm
Bore Diameter (mm)	90
Outer Diameter (mm)	115
snap ring included:	Without Snap Ring
internal clearance:	CN
Minimum Buy Quantity	N/A
static load capacity:	19700 N
maximum rpm (grease):	5400 rpm
row type & fill slot:	Single Row Non-Fill Slot
Fatigue limit load, Cu	0.88 kN
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	19000 N
Radial clearance class	CN
(Oil) Lubrication Speed	6 300 r/min
Manufacturer Item Number	6818
Internal Special Features	No
(Grease) Lubrication Speed	5 400 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	19,7 kN
Basic dynamic load rating (C)	19 kN

Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.46 Hz
Characteristic outer ring frequency, BPF0	11.16 Hz
Characteristic inner ring frequency, BPF1	12.84 Hz
Characteristic rolling element frequency, BSF	14.28 Hz