



Bearing No. 6814LU

C	10,000 mm
d	70,000 mm
D	90,000 mm
B	10,000 mm
f0	16.1
Bore	2.756 Inch 70 Millimeter
Mass	0.14 kg
Noun	Bearing
da min	74 mm
ra max	0.6 mm
Da max	86 mm
rs min	0.6 mm
da max	75.5 mm
UNSPSC	31171504
Category	Single Row Ball Bearing
Snap Ring	No
Enclosure	1 Seal
Size (mm)	70x90x10
Inventory	0.0
Width (mm)	10,000
Weight / LBS	0.28
Cage Material	Steel
Inch - Metric	Metric
Nlim (grease)	3,800 rpm
Product Group	B00308
Enclosure Type	Contact Seal
Keyword String	Ball
Other Features	Deep Groove Double Lip Friction Nitrile Rubber Seal -20 To

	120 Deg C
Bearing number	6814LU
Dynamic load, C	12.1 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Static load, C0	11.9 kN
Outer Race Width	0.394 Inch 10 Millimeter
Long Description	70MM Bore; 90MM Outside Diameter; 10MM Outer Race Width; 1 Seal; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage; C
Inner Race Width	0 Inch 0 Millimeter
Outside Diameter	3.543 Inch 90 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Name	NTN
Weight / Kilogram	0.129
Bore Diameter (mm)	70,000
Internal Clearance	C0-Medium
Outer Diameter (mm)	90,000
Minimum Buy Quantity	N/A
Fatigue limit load, Cu	0.54 kN
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
Internal Special Features	No
Max operating temperature, Tmax	110 °C

Maximum Capacity / Filling Slot	No
Min operating temperature, Tmin	-25 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic outer ring frequency, BPF0	11.17 Hz
Characteristic inner ring frequency, BPF1	12.83 Hz
Characteristic rolling element frequency, BSF	14.33 Hz