



Bearing No. 6820

D	125 mm
C	13 mm
B	13 mm
d	100 mm
f0	16
Noun	Bearing
Mass	0.31 kg
Bore	3.937 Inch 100 Millimeter
r min.	1 mm
UNSPSC	31171504
Weight	0,313 Kg
ra max	1 mm
Da max	120 mm
da min	105 mm
rs min	1 mm
da max	106 mm
da min.	105 mm
Da max.	120 mm
ra max.	1 mm
Category	Single Row Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	100x125x13
Enclosure	Open
Nlim (oil)	5,600 rpm
Width (mm)	13
Weight / LBS	0.664
Product Group	B00308
Nlim (grease)	4,800 rpm

Inch - Metric	Metric
Cage Material	Steel
Bearing number	6820
Keyword String	Ball
Other Features	Deep Groove
Dynamic load, C	19.6 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Static load, C0	21.2 kN
Manufacturer URL	http://www.ntnamerica.com
Long Description	100MM Bore; 125MM 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
Outer Race Width	0.512 Inch 13 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
Weight / Kilogram	0.33
Manufacturer Name	NTN
Bore Diameter (mm)	100
Internal Clearance	C0-Medium
Outer Diameter (mm)	125
Minimum Buy Quantity	N/A
Fatigue limit load, Cu	0.91 kN
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
(Oil) Lubrication Speed	5 600 r/min

Internal Special Features	No
(Grease) Lubrication Speed	4 800 r/min
Basic dynamic load rating (C)	19,6 kN
Basic static load rating (C0)	21,2 kN
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.47 Hz
Characteristic inner ring frequency, BPF1	13.83 Hz
Characteristic outer ring frequency, BPF0	12.18 Hz
Characteristic rolling element frequency, BSF	15.68 Hz