



Bearing No. 6410NR

f	2.77 mm
C	31,000 mm
d	50,000 mm
D	130,000 mm
B	31,000 mm
f0	12.5
Mass	1.88 kg
Noun	Bearing
Bore	1.969 Inch 50 Millimeter
a min	3.86 mm
a max	4.06 mm
b min	3.1 mm
b max	3.4 mm
Ca min	6.63 mm
Ca max	6.83 mm
rs min	2.1 mm
ra max	2 mm
D3 max	125.22 mm
r0 max	0.6 mm
D4 max	139.7 mm
Db min	141.5 mm
Da max	119 mm
UNSPSC	31171504
da min	61 mm
rNa max	0.5 mm
rNs min	0.5 mm
Category	Single Row Ball Bearing
Enclosure	Open
Snap Ring	Yes

Inventory	0.0
Size (mm)	50x130x31
Nlim (oil)	6,700 rpm
Width (mm)	31,000
Weight / LBS	4.1446
Inch - Metric	Metric
Cage Material	Steel
Nlim (grease)	5,700 rpm
Product Group	B00308
Keyword String	Ball
Other Features	Deep Groove With Snap Ring
Bearing number	6410NR
Dynamic load, C	83 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Static load, C0	49.5 kN
Outside Diameter	5.118 Inch 130 Millimeter
Outer Race Width	1.22 Inch 31 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Long Description	50MM Bore; 130MM Outside Diameter; 31MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Inner Race Width	0 Inch 0 Millimeter
Manufacturer Name	NTN
Weight / Kilogram	1.86
Bore Diameter (mm)	50,000

Internal Clearance	C0-Medium
Snap ring reference	R130
Outer Diameter (mm)	130,000
Minimum Buy Quantity	N/A
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
Fatigue limit load, Cu	2.25 kN
Internal Special Features	No
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.37 Hz
Characteristic inner ring frequency, BPF1	4.42 Hz
Characteristic outer ring frequency, BPF0	2.58 Hz
Characteristic rolling element frequency, BSF	3.54 Hz