



Bearing No. 6416

D	200 mm
d	80 mm
B	48 mm
C	48 mm
f0	12.3
Bore	3.15 Inch 80 Millimeter
Mass	6.76 kg
Noun	Bearing
UNSPSC	31171504
Da max	187 mm
rs min	3 mm
r min.	3 mm
da min	93 mm
Weight	6,76 Kg
ra max	2.5 mm
Da max.	187 mm
ra max.	2,5 mm
da min.	93 mm
Category	Single Row Ball Bearing
Size (mm)	80x200x48
Inventory	0.0
Snap Ring	No
Enclosure	Open
Nlim (oil)	4,200 rpm
Width (mm)	48
Weight / LBS	17.754
Nlim (grease)	3,600 rpm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308

Keyword String	Ball
Bearing number	6416
Static load, C0	125 kN
Dynamic load, C	164 kN
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Long Description	80MM Bore; 200MM Outside Diameter; 48MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer URL	http://www.snrbearings.com
Outside Diameter	7.874 Inch 200 Millimeter
Outer Race Width	1.89 Inch 48 Millimeter
Weight / Kilogram	6.71
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	80
Outer Diameter (mm)	200
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
Fatigue limit load, Cu	4.75 kN
(Oil) Lubrication Speed	4 200 r/min
Manufacturer Item Number	6416.M
Internal Special Features	No
(Grease) Lubrication Speed	3 600 r/min
Basic static load rating	125 kN

(C0)	
Basic dynamic load rating (C)	164 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.37 Hz
Characteristic inner ring frequency, BPF1	4.44 Hz
Characteristic outer ring frequency, BPF0	2.56 Hz
Characteristic rolling element frequency, BSF	3.46 Hz