



Bearing No. 6812

D	78 mm
d	60 mm
B	10 mm
C	10 mm
f0	16.3
Mass	0.11 kg
Noun	Bearing
Bore	2.362 Inch 60 Millimeter
Weight	0,106 Kg
UNSPSC	31171504
rs min	0.3 mm
da max	64,5 mm
da min	62 mm
Da max	76 mm
ra max	0.3 mm
r min.	0,3 mm
Da max.	76 mm
ra max.	0,3 mm
da min.	62 mm
Category	Single Row Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	60x78x10
Enclosure	Open
Width (mm)	10
bore type:	Round
Nlim (oil)	9,400 rpm
Weight / LBS	0.228
closure type:	Open

Inch - Metric	Metric
Cage Material	Steel
Nlim (grease)	8,000 rpm
Product Group	B00308
bore diameter:	60 mm
cage material:	Steel
overall width:	10 mm
Keyword String	Ball
fillet radius:	0.3 mm
Bearing number	6812
Static load, C0	10.6 kN
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Dynamic load, C	11.5 kN
Outer Race Width	0.394 Inch 10 Millimeter
Outside Diameter	3.071 Inch 78 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Long Description	60MM Bore; 78MM Outside Diameter; 10MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
outer ring width:	10 mm
inner ring width:	10 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	78 mm
precision rating:	Class 0
Manufacturer Name	NTN

Weight / Kilogram	0.103
Bore Diameter (mm)	60
maximum rpm (oil):	9400 rpm
Internal Clearance	C0-Medium
internal clearance:	CN
snap ring included:	Without Snap Ring
Outer Diameter (mm)	78
Minimum Buy Quantity	N/A
static load capacity:	10600 N
maximum rpm (grease):	8000 rpm
row type & fill slot:	Single Row Non-Fill Slot
Fatigue limit load, Cu	0.48 kN
dynamic load capacity:	11500 N
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
(Oil) Lubrication Speed	9 400 r/min
Manufacturer Item Number	6812
Internal Special Features	No
(Grease) Lubrication Speed	8 000 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic dynamic load rating (C)	11,5 kN
Basic static load rating (C0)	10,6 kN
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Min operating	-20 °C

temperature, Tmin	
Characteristic cage frequency, FTF	0.46 Hz
Characteristic outer ring frequency, BPF0	9.66 Hz
Characteristic inner ring frequency, BRFI	11.35 Hz
Characteristic rolling element frequency, BSF	12.34 Hz