



### Bearing No. 6040

D	310 mm
d	200 mm
B	51 mm
C	51 mm
f0	15.6
Bore	7.874 Inch   200 Millimeter
Noun	Bearing
Mass	11.9 kg
ra max	2 mm
UNSPSC	31171504
rs min	2.1 mm
da min	211 mm
Da max	299 mm
db min	211 mm
Weight	11,9 Kg
r min.	2,1 mm
ra max.	2 mm
Da max.	299 mm
series:	60
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	200x310x51
Nlim (oil)	2,400 rpm
bore type:	Round
Width (mm)	51
Weight / LBS	30.6
maximum rpm:	2400 RPM

Nlim (grease)	2,000 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	200 mm
cage material:	Steel
fillet radius:	2.1 mm
overall width:	51 mm
Bearing number	6040
Dynamic load, C	218 kN
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	243 kN
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Outer Race Width	2.008 Inch   51 Millimeter
Outside Diameter	12.205 Inch   310 Millimeter
Long Description	200MM Bore; 310MM Outside Diameter; 51MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
outer ring width:	51 mm
inner ring width:	51 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	310 mm
Weight / Kilogram	12.211

precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	2400 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	200
Outer Diameter (mm)	310
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	2000 rpm
static load capacity:	243000 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	218000 N
Fatigue limit load, Cu	6.9 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	2 400 r/min
Manufacturer Item Number	6040
Internal Special Features	No
(Grease) Lubrication Speed	2 000 r/min
manufacturer product page:	<a href="#">Click here</a>
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	243 kN
Basic dynamic load rating (C)	218 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C

Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.44 Hz
Characteristic inner ring frequency, BPF1	7.92 Hz
Characteristic outer ring frequency, BPF0	6.08 Hz
Characteristic rolling element frequency, BSF	7.52 Hz