



Bearing No. 16010

D	80 mm
d	50 mm
B	10 mm
C	10 mm
f0	16.4
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
Mass	0.18 kg
Da max	76 mm
UNSPSC	31171504
r min.	0,6 mm
rs min	0.6 mm
da min	54 mm
Weight	0,18 Kg
ra max	0.6 mm
Da max.	76 mm
ra max.	0,6 mm
da min.	54 mm
series:	600
Category	Single Row Ball Bearing
Snap Ring	No
Inventory	0.0
Enclosure	Open
Size (mm)	50x80x10
Nlim (oil)	9,800 rpm
bore type:	Round
Width (mm)	10
Weight / LBS	0.398
maximum rpm:	9800 RPM

Nlim (grease)	8,400 rpm
Product Group	B00308
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
Keyword String	Ball
bore diameter:	50 mm
cage material:	Steel
fillet radius:	0.6 mm
overall width:	10 mm
Bearing number	16010
Dynamic load, C	13.2 kN
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Static load, C0	11.3 kN
Manufacturer URL	http://www.ntnamerica.com
Outer Race Width	0.394 Inch 10 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
Long Description	50MM Bore; 80MM 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:	80 mm
Weight / Kilogram	0.18

precision rating:	Class 0
Manufacturer Name	NTN
maximum rpm (oil):	9800 rpm
Internal Clearance	C0-Medium
Bore Diameter (mm)	50
Outer Diameter (mm)	80
internal clearance:	CN
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
maximum rpm (grease):	8400 rpm
static load capacity:	11300 N
row type & fill slot:	Single Row Non-Fill Slot
Radial clearance class	CN
dynamic load capacity:	13200 N
Fatigue limit load, Cu	0.51 kN
Harmonized Tariff Code	8482.10.50.68
(Oil) Lubrication Speed	9 800 r/min
Manufacturer Item Number	16010
Internal Special Features	No
(Grease) Lubrication Speed	8 400 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic static load rating (C0)	11,3 kN
Basic dynamic load rating (C)	13,2 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-20 °C

Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.45 Hz
Characteristic inner ring frequency, BPFI	9.33 Hz
Characteristic outer ring frequency, BPF0	7.67 Hz
Characteristic rolling element frequency, BSF	10.14 Hz