

# 16010 NTN 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

## 50x80x10mm Deep groove ball bearings

rs min	0.6 mm
Radial clearance class	CN
Mass	0.18 kg
Dynamic load, C	13.2 kN
Static load, C0	11.3 kN
Fatigue limit load, Cu	0.51 kN
f0	16.4
Nlim (oil)	9.800 rpm
Nlim (grease)	8.400 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz

Characteristic rolling element frequency, BSF	10.14 Hz
Characteristic outer ring frequency, BPF0	7.67 Hz
Characteristic inner ring frequency, BRFI	9.33 Hz
da min	54 mm
Da max	76 mm
ra max	0.6 mm
Bearing number	16010
Size (mm)	50x80x10
Brand	NTN
Bore Diameter (mm)	50
Outer Diameter (mm)	80
Width (mm)	10
d	50 mm
D	80 mm
B	10 mm
C	10 mm
r min.	0.6 mm
da min.	54 mm
Da max.	76 mm
ra max.	0.6 mm
Weight	0.18 Kg
Basic dynamic load rating (C)	13.2 kN
Basic static load rating (C0)	11.3 kN
(Grease) Lubrication Speed	8 400 r/min
(Oil) Lubrication Speed	9 800 r/min

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.18
EAN	4547359010169
Product Group – BDI	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
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
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	16010
Weight / LBS	0.398

Bore	1.969 Inch   50 Millimeter
Outside Diameter	3.15 Inch   80 Millimeter
Outer Race Width	0.394 Inch   10 Millimeter
bore diameter:	50 mm
finish/coating:	Uncoated
outside diameter:	80 mm
bearing material:	High Carbon Chrome Steel
overall width:	10 mm
cage material:	Steel
bore type:	Round
inner ring width:	10 mm
closure type:	Open
outer ring width:	10 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	8400 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	9800 rpm
internal clearance:	CN
fillet radius:	0.6 mm
operating temperature range:	-40 to 120 °C
maximum rpm:	9800 RPM
dynamic load capacity:	13200 N
series:	600
static load capacity:	11300 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	Class 0