



Bearing No. 6310

D	110 mm
d	50 mm
B	27 mm
C	27 mm
f0	13.2
Mass	1.07 kg
Noun	Bearing
Bore	1.969 Inch 50 Millimeter
Weight	1,07 Kg
UNSPSC	31171504
rs min	2 mm
da max	68,5 mm
da min	59 mm
Da max	101 mm
ra max	2 mm
r min.	2 mm
Da max.	101 mm
ra max.	2 mm
da min.	59 mm
Category	Single Row Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	50x110x27
Enclosure	Open
Width (mm)	27
bore type:	Round
Nlim (oil)	7,500 rpm
Weight / LBS	2.32
closure type:	Open

Inch - Metric	Metric
Cage Material	Steel
Nlim (grease)	6,400 rpm
Product Group	B00308
bore diameter:	50 mm
cage material:	Steel
overall width:	27 mm
Keyword String	Ball
fillet radius:	2 mm
Bearing number	6310
Static load, C0	38.5 kN
Precision Class	ABEC 1 ISO P0
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Dynamic load, C	62 kN
Outside Diameter	4.331 Inch 110 Millimeter
Outer Race Width	1.063 Inch 27 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
outer ring width:	27 mm
inner ring width:	27 mm
bearing material:	High Carbon Chrome Steel
outside diameter:	110 mm
precision rating:	Class 0
Manufacturer Name	NTN

Weight / Kilogram	1.051
Bore Diameter (mm)	50
maximum rpm (oil):	7500 rpm
Internal Clearance	C0-Medium
internal clearance:	CN
snap ring included:	Without Snap Ring
Outer Diameter (mm)	110
Minimum Buy Quantity	N/A
static load capacity:	38500 N
maximum rpm (grease):	6400 rpm
row type & fill slot:	Single Row Non-Fill Slot
Fatigue limit load, Cu	1.75 kN
dynamic load capacity:	62000 N
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	CN
(Oil) Lubrication Speed	7 500 r/min
Manufacturer Item Number	6310
Internal Special Features	No
(Grease) Lubrication Speed	6 400 r/min
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Basic dynamic load rating (C)	62 kN
Basic static load rating (C0)	38,5 kN
Maximum Capacity / Filling Slot	No
Max operating temperature, Tmax	120 °C
Min operating	-20 °C

temperature, Tmin	
Characteristic cage frequency, FTF	0.38 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BPF1	4.93 Hz
Characteristic rolling element frequency, BSF	4.07 Hz