



**Bearing No. 7310**

D	110 mm
d	50 mm
B	27 mm
C	27 mm
a	36,5 mm
Bore	1.969 Inch   50 Millimeter
Noun	Bearing
Mass	1.09 kg
Width	1.063 Inch   27 Millimeter
UNSPSC	31171531
rs min	2 mm
ra max	2 mm
Weight	1,09 Kg
Da max	100 mm
db min	55,5 mm
Db max	104.5 mm
r min.	2 mm
da min	60 mm
r1s min	1 mm
da min.	60 mm
r1a max	1 mm
ra max.	2 mm
r1 min.	1 mm
Category	Angular Contact Ball Bearing
Snap Ring	No
Inventory	0.0
Size (mm)	50x110x27
Enclosure	Open

Width (mm)	27
Nlim (oil)	9,400 rpm
Flush Ground	No
Nlim (grease)	7,100 rpm
Product Group	B00308
Contact Angle	30 Degree
Cage Material	Steel
Inch - Metric	Metric
Keyword String	Angular Contact
Bearing number	7310
Static load, C0	52.5 kN
Angle (?)	25 °
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Dynamic load, C	74.5 kN
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 30 Degree; 1 (Single)
Outside Diameter	4.331 Inch   110 Millimeter
Contact angle ?	30 °
Weight / Kilogram	1.11
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	50
Number of Bearings	1 (Single)
Outer Diameter (mm)	110

Minimum Buy Quantity	N/A
Fatigue limit load, Cu	2.39 kN
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
(Grease) Lubrication Speed	7 100 r/min
Basic static load rating (C0)	52,5 kN
Basic dynamic load rating (C)	74,5 kN
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Min operating temperature, Tmin	-40 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic inner ring frequency, BPF1	7.21 Hz
Characteristic outer ring frequency, BPF0	4.79 Hz
Characteristic rolling element frequency, BSF	4.13 Hz