



Bearing No. 7310B

D	110 mm
d	50 mm
B	27 mm
C	27 mm
a	47 mm
Noun	Bearing
Mass	1.11 kg
Bore	1.969 Inch 50 Millimeter
Width	1.063 Inch 27 Millimeter
rs min	2 mm
Weight	1,11 Kg
db min	55,5 mm
da min	60 mm
r min.	2 mm
UNSPSC	31171531
Db max	104.5 mm
Da max	100 mm
ra max	2 mm
r1a max	1 mm
r1s min	1 mm
weight:	1.092 kg
ra max.	2 mm
r1 min.	1 mm
da min.	60 mm
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	50x110x27

Snap Ring	No
bore type:	Round
Nlim (oil)	8,100 rpm
Width (mm)	27
maximum rpm:	8100 rpm
Flush Ground	No
Nlim (grease)	6,000 rpm
closure type:	Open
Cage Material	Steel
Contact Angle	40 Degree
Product Group	B00308
Inch - Metric	Metric
overall width:	27 mm
bore diameter:	50 mm
Keyword String	Angular Contact
Bearing number	7310B
cage material:	Steel
contact angle:	40 °
fillet radius:	2 mm
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Static load, C0	48 kN
Dynamic load, C	68 kN
Angle (?)	40 °
Outside Diameter	4.331 Inch 110 Millimeter
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

Manufacturer URL	http://www.ntnamerica.com
Contact angle ?	40 °
bearing material:	High Carbon Chrome Steel
Weight / Kilogram	1.11
Manufacturer Name	NTN
outside diameter:	110 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	50
Internal Clearance	C0-Medium
snap ring included:	Without Snap Ring
Outer Diameter (mm)	110
Minimum Buy Quantity	N/A
row type & fill slot:	Single-Row Non-Fill Slot
Fatigue limit load, Cu	2.18 kN
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7310B
(Grease) Lubrication Speed	6 000 r/min
manufacturer product page:	Click here
radial static load capacity:	48000 N
operating temperature range:	-40 to 120 °C
radial dynamic load capacity:	68000 N
Basic static load rating (C0)	48 kN
Basic dynamic load rating (C)	68 kN
Maximum Capacity /	No

Filling Slot	
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic inner ring frequency, BPF1	7.07 Hz
Characteristic outer ring frequency, BPF0	4.93 Hz
Characteristic rolling element frequency, BSF	4.17 Hz