



Bearing No. 7310BG

B	27,000 mm
a	47 mm
C	27,000 mm
d	50,000 mm
D	110,000 mm
Noun	Bearing
Mass	1.11 kg
Bore	1.969 Inch 50 Millimeter
Width	1.063 Inch 27 Millimeter
ra max	2 mm
Db max	104.5 mm
Da max	100 mm
db min	55.5 mm
da min	60 mm
UNSPSC	31171531
rs min	2 mm
series:	73B
r1s min	1 mm
weight:	1.090 kg
r1a max	1 mm
Category	Angular Contact Ball Bearing
Enclosure	Open
Inventory	0.0
Snap Ring	No
Size (mm)	50x110x27
bore type:	Round
Width (mm)	27,000
Nlim (oil)	8,100 rpm

Flush Ground	Yes
maximum rpm:	8100 rpm
Weight / LBS	2.409
Cage Material	Steel
Inch - Metric	Metric
Nlim (grease)	6,000 rpm
Product Group	B00308
closure type:	Open
Contact Angle	40 Degree
Bearing number	7310BG
Keyword String	Angular Contact
bore diameter:	50 mm
cage material:	Steel
contact angle:	40 °
fillet radius:	2 mm
overall width:	27 mm
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Static load, C0	48 kN
Dynamic load, C	68 kN
Rolling Element	Ball Bearing
Contact angle ?	40 °
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	4.331 Inch 110 Millimeter
outer ring width:	27 mm

precision rating:	ISO Class 0
Weight / Kilogram	1.09
outside diameter:	110 mm
bearing material:	High Carbon Chrome Steel
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	50,000
Number of Bearings	1 (Single)
Outer Diameter (mm)	110,000
snap ring included:	Without Snap Ring
internal clearance:	C0
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
row type & fill slot:	Single-Row Non-Fill Slot
Harmonized Tariff Code	8482.10.50.28
Radial clearance class	CN
Fatigue limit load, Cu	2.18 kN
Number of Rows of Balls	Single Row
Manufacturer Item Number	7310BG
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
radial static load capacity:	48000 N
radial dynamic load capacity:	68000 N
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No

Characteristic cage frequency, FTF	0.41 Hz
Characteristic outer ring frequency, BPF0	4.93 Hz
Characteristic inner ring frequency, BPF1	7.07 Hz
Characteristic rolling element frequency, BSF	4.17 Hz