



# SKF BEARING MANUFACTURING CO.,LTD.



7310BG Bearing 2D drawings and 3D CAD models

50,000 mm x 110,000 mm x 27,000 mm NTN  
7310BG angular contact ball bearings

Bearing No. 7310BG

Size	50x110x27 mm
Bore Diameter	50,000 mm
Outer Diameter	110,000 mm
Width	27,000 mm
d	50,000 mm
D	110,000 mm
B	27,000 mm
C	27,000 mm
a	47 mm
Contact angle	40 °
rs min	2 mm
r1s min	1 mm
Radial clearance class	CN
Mass	1.11 kg
Dynamic load, C	68 kN
Static load, C0	48 kN
Fatigue limit load, Cu	2.18 kN
Nlim (oil)	8,100 rpm
Nlim (grease)	6,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	4.17 Hz



## SKF BEARING MANUFACTURING CO.,LTD.

Characteristic outer ring frequency, BPF0	4.93 Hz
Characteristic inner ring frequency, BPF1	7.07 Hz
da min	60 mm
db min	55.5 mm
Da max	100 mm
Db max	104.5 mm
r1a max	1 mm
ra max	2 mm
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.09
EAN	4547359450651
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	50MM Bore; 110MM Outside Diameter; 27MM



## SKF BEARING MANUFACTURING CO.,LTD.

	Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	7310BG
Weight / LBS	2.409
Outside Diameter	4.331 Inch   110 Millimeter
Bore	1.969 Inch   50 Millimeter
Width	1.063 Inch   27 Millimeter
bore diameter:	50 mm
radial static load capacity:	48000 N
outside diameter:	110 mm
operating temperature range:	-40 to 120 ° C
overall width:	27 mm
cage material:	Steel
contact angle:	40 °
outer ring width:	27 mm
row type & fill slot:	Single-Row Non-Fill Slot
maximum rpm:	8100 rpm
internal clearance:	C0
finish/coating:	Uncoated
bore type:	Round
precision rating:	ISO Class 0
closure type:	Open



## SKF BEARING MANUFACTURING CO.,LTD.

fillet radius:	2 mm
snap ring included:	Without Snap Ring
series:	73B
bearing material:	High Carbon Chrome Steel
weight:	1.090 kg
radial dynamic load capacity:	68000 N
manufacturer product page:	<a href="#">Click here</a>