



## 50 mm x 110 mm x 27 mm NTN 6310NR Deep groove ball bearing

Bearing No. 6310NR

Size	50x110x27 mm
Bore Diameter	50 mm
Outer Diameter	110 mm
Width	27 mm
d	50 mm
D	110 mm
B	27 mm
C	27 mm
rn	0,5 mm
a	3,28 mm
b	2,7 mm
f	2,46 mm
r min.	2 mm
r0 max.	0,6 mm
D1	106,81 mm
D2	116,6 mm
da min.	59 mm
da max	68,5 mm
Da max.	101 mm
ra max.	2 mm
Dx	118 mm
Cy	5,4 mm
Cz	2,5 mm
rn	0,5 mm
Weight	1,07 Kg

6310NR Bearing 2D drawings and 3D CAD models

Basic dynamic load rating (C)	62 kN
Basic static load rating (C0)	38,5 kN
(Grease) Lubrication Speed	6 400 r/min
(Oil) Lubrication Speed	7 500 r/min
a min	3.07 mm
a max	3.28 mm
Ca min	5.43 mm
Ca max	5.74 mm
rs min	2 mm
rNs min	0.5 mm
D3 max	106.81 mm
b min	2.7 mm
b max	3 mm
r0 max	0.6 mm
D4 max	116.6 mm
Snap ring reference	R110
Radial clearance class	CN
Mass	1.07 kg
Dynamic load, C	62 kN
Static load, C0	38.5 kN
Fatigue limit load, Cu	1.75 kN
f0	13.2
Nlim (oil)	7,500 rpm
Nlim (grease)	6,400 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4.07 Hz
Characteristic outer ring	3.07 Hz



## Shandong Boao Bearing Co., Ltd.

frequency, BPF0	
Characteristic inner ring frequency, BPF1	4.93 Hz
da min	59 mm
Da max	101 mm
ra max	2 mm
rNa max	0.5 mm
Db min	118 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.07
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing

## Shandong Boao Bearing Co., Ltd.

Keyword String	Ball
Manufacturer URL	<a href="http://www.snrbearings.com">http://www.snrbearings.com</a>
Manufacturer Item Number	6310.NR
Weight / LBS	2.354
Outside Diameter	4.331 Inch   110 Millimeter
Bore	1.969 Inch   50 Millimeter
Outer Race Width	1.063 Inch   27 Millimeter
bore diameter:	50 mm
finish/coating:	Uncoated
outside diameter:	110 mm
bearing material:	High Carbon Chrome Steel
overall width:	27 mm
cage material:	Steel
bore type:	Round
inner ring width:	27 mm
closure type:	Open
outer ring width:	27 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	6400 rpm
snap ring included:	With Snap Ring
maximum rpm (oil):	7500 rpm
internal clearance:	CN
fillet radius:	2 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	7500 RPM
dynamic load capacity:	62000 N
series:	63
static load capacity:	38500 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	ISO Class 0