



Bearing No. 6310ZNR

C	27,000 mm
D	110,000 mm
f	2.46 mm
B	27,000 mm
d	50,000 mm
f0	13.2
Bore	1.969 Inch 50 Millimeter
Mass	1.07 kg
Noun	Bearing
b max	3 mm
a min	3.07 mm
a max	3.28 mm
b min	2.7 mm
Da max	101 mm
ra max	2 mm
da min	59 mm
D4 max	116.6 mm
UNSPSC	31171504
r0 max	0.6 mm
D3 max	106.81 mm
Ca max	5.74 mm
Ca min	5.43 mm
Db min	118 mm
rs min	2 mm
rNs min	0.5 mm
rNa max	0.5 mm
Category	Single Row Ball Bearing
Snap Ring	Yes
Enclosure	1 Metal Shield

Size (mm)	50x110x27
Inventory	0.0
Nlim (oil)	7,500 rpm
bore type:	Round
Width (mm)	27,000
Weight / LBS	2.368
Cage Material	Steel
Nlim (grease)	6,400 rpm
Product Group	B00308
Inch - Metric	Metric
closure type:	Single Shield
Other Features	Deep Groove With Snap Ring
Bearing number	6310ZNR
Keyword String	Ball
bore diameter:	50 mm
cage material:	Steel
fillet radius:	2 mm
overall width:	27 mm
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Dynamic load, C	62 kN
Rolling Element	Ball Bearing
Static load, C0	38.5 kN
Long Description	50MM Bore; 110MM Outside Diameter; 27MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Ste
Outer Race Width	1.063 Inch 27 Millimeter

Inner Race Width	0 Inch 0 Millimeter
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	4.331 Inch 110 Millimeter
precision rating:	ISO Class 0
inner ring width:	27 mm
outer ring width:	27 mm
outside diameter:	110 mm
bearing material:	High Carbon Chrome Steel
Weight / Kilogram	1.075
Manufacturer Name	NTN
Internal Clearance	C0-Medium
Bore Diameter (mm)	50,000
maximum rpm (oil):	7500 rpm
Snap ring reference	R110
internal clearance:	CN
snap ring included:	With Snap Ring
Outer Diameter (mm)	110,000
Minimum Buy Quantity	N/A
static load capacity:	38500 N
maximum rpm (grease):	6400 rpm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	62000 N
Fatigue limit load, Cu	1.75 kN
Radial clearance class	CN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6310ZNR
Internal Special Features	No
manufacturer product page:	Click here

operating temperature range:	-40 to 120 °C
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.38 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BPFI	4.93 Hz
Characteristic rolling element frequency, BSF	4.07 Hz