



## NTN Bearing Rolamentos do Brasil Ltda.

### 55 mm x 90 mm x 18 mm NTN 6011NRC3 Single row deep groove ball bearings

Bearing No. 6011NRC3

d	55 mm
D	90 mm
B	18 mm
a min	2.67 mm
a max	2.87 mm
Ca min	5.03 mm
Ca max	5.33 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	86.79 mm
b min	2.7 mm
b max	3 mm
r0 max	0.6 mm
D4 max	96.5 mm
f	2.46 mm
Snap ring reference	R90
Radial clearance class	C3
Mass	0.39 kg
Dynamic load, C	28.3 kN
Static load, C0	21.2 kN
Fatigue limit load, Cu	0.96 kN
f0	15.3
Nlim (oil)	9,000 rpm
Nlim (grease)	7,700 rpm
Min operating temperature, Tmin	-20 ° C

6011NRC3 Bearing 2D drawings and 3D CAD models



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Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.88 Hz
Characteristic outer ring frequency, BPF0	5.58 Hz
Characteristic inner ring frequency, BPI	7.42 Hz
da min	61.5 mm
Da max	83.5 mm
ra max	1 mm
rNa max	0.5 mm
Db min	98 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.39
EAN	4547359332599
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	C3-Loose
Inch - Metric	Metric
Long Description	55MM Bore; 90MM Outside Diameter; 18MM Outer Race Diameter;



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	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
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	6011NRC3
Weight / LBS	0.849
Outer Race Width	0.709 Inch   18 Millimeter
Bore	2.165 Inch   55 Millimeter
Outside Diameter	3.543 Inch   90 Millimeter
bore diameter:	55 mm
finish/coating:	Uncoated
outside diameter:	90 mm
bearing material:	High Carbon Chrome Steel
overall width:	18 mm
cage material:	Steel
bore type:	Round
inner ring width:	18 mm
closure type:	Open
outer ring width:	18 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	7700 rpm
snap ring included:	With Snap Ring
maximum rpm (oil):	9000 rpm
internal clearance:	C3
fillet radius:	1.1 mm
operating temperature range:	-40 to 120 ° C



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maximum rpm:	9000 RPM
dynamic load capacity:	28300 N
series:	60
static load capacity:	21200 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	ISO Class 0