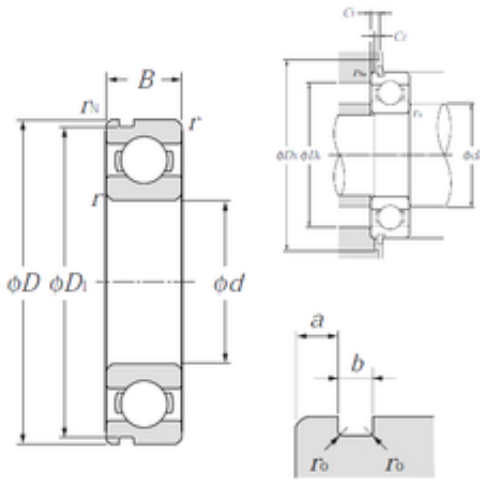




# NTN Bearing Manufacturing

## 20 mm x 47 mm x 14 mm NTN 6204N deep groove ball bearings

Bearing No. 6204N



6204N Bearing 2D drawings and 3D CAD models

Size	20x47x14 mm
Bore Diameter	20 mm
Outer Diameter	47 mm
Width	14 mm
d	20 mm
D	47 mm
B	14 mm
C	14 mm
rn	0,5 mm
a	2,46 mm
b	1,35 mm
r min.	1 mm
r0 max.	0,4 mm
D1	44,6 mm
da min.	25 mm
da max	28 mm
Da max.	42 mm
ra max.	1 mm
Dx	53,5 mm
Cy	3,3 mm
Cz	1,2 mm
rn	0,5 mm
Weight	0,106 Kg
Basic dynamic load rating (C)	12,8 kN
Basic static load rating (C0)	6,65 kN



## NTN Bearing Manufacturing

(Grease) Lubrication Speed	16 000 r/min
(Oil) Lubrication Speed	18 000 r/min
a min	2.31 mm
a max	2.46 mm
rs min	1 mm
rNs min	0.5 mm
D3 max	44.6 mm
b min	1.35 mm
b max	1.65 mm
r0 max	0.4 mm
Radial clearance class	CN
Mass	0.11 kg
Dynamic load, C	12.8 kN
Static load, C0	6.65 kN
Fatigue limit load, Cu	0.3 kN
f0	13.2
Nlim (oil)	18,000 rpm
Nlim (grease)	16,000 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	4.12 Hz
Characteristic outer ring frequency, BPF0	3.08 Hz
Characteristic inner ring frequency, BPF1	4.92 Hz
da min	25 mm
Da max	42 mm
ra max	1 mm
rNa max	0.5 mm



## NTN Bearing Manufacturing

Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.104
EAN	4547359353662
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	20MM Bore; 47MM Outside Diameter; 14MM 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
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	6204N
Weight / LBS	0.23
Outside Diameter	1.85 Inch   47 Millimeter
Bore	0.787 Inch   20 Millimeter



## NTN Bearing Manufacturing

Outer Race Width	0.551 Inch   14 Millimeter
------------------	----------------------------