



# NTN BEARINGS INDUSTRY

## 20 mm x 52 mm x 15 mm NTN 6304 Bearing



Bearing No. 6304

Size	20x52x15 mm
Bore Diameter	20 mm
Outer Diameter	52 mm
Width	15 mm
d	20 mm
D	52 mm
B	15 mm
C	15 mm
r min.	1,1 mm
da min.	26,5 mm
da max	28,5 mm
Da max.	45,5 mm
ra max.	1 mm
Weight	0,144 Kg
Basic dynamic load rating (C)	15,9 kN
Basic static load rating (C0)	7,9 kN
(Grease) Lubrication Speed	14 000 r/min
(Oil) Lubrication Speed	17 000 r/min
rs min	1.1 mm
Radial clearance class	CN
Mass	0.14 kg
Dynamic load, C	15.9 kN
Static load, C0	7.9 kN
Fatigue limit load, Cu	0.36 kN
f0	12.4
Nlim (oil)	17,000 rpm

6304 Bearing 2D drawings and 3D CAD models



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Nlim (grease)	14,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.37 Hz
Characteristic rolling element frequency, BSF	3.52 Hz
Characteristic outer ring frequency, BPF0	2.57 Hz
Characteristic inner ring frequency, BRF1	4.43 Hz
da min	26.5 mm
Da max	45.5 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.145
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	20MM Bore; 52MM Outside Diameter; 15MM Outer Race Width; Open;



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	Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
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	6304
Weight / LBS	0.317
Outside Diameter	2.047 Inch   52 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	0.591 Inch   15 Millimeter
Bore	0.787 Inch   20 Millimeter
bore diameter:	20 mm
precision rating:	Class 0
outside diameter:	52 mm
finish/coating:	Uncoated
overall width:	15 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	15 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	15 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	14000 rpm



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internal clearance:	CN
maximum rpm (oil):	17000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	15900 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	7900 N