



NTN BEARING USA CORP.

NTN 6203z Bearing

Bearing No. 6203z

d	17 mm
D	40 mm
B	12 mm
rs min	0.6 mm
Radial clearance class	CN
Mass	0.07 kg
Dynamic load, C	9.6 kN
Static load, C0	4.6 kN
Fatigue limit load, Cu	0.21 kN
f0	12.8
Nlim (oil)	21,000 rpm
Nlim (grease)	18,000 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	3.78 Hz
Characteristic outer ring frequency, BPF0	2.63 Hz
Characteristic inner ring frequency, BPF1	4.37 Hz
da min	21 mm
Da max	36 mm
ra max	0.6 mm
Category	Single Row Ball Bearings

6203z Bearing 2D drawings and 3D CAD models



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Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.062
EAN	4547359352030
Product Group	B00308
Enclosure	1 Metal Shield
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	17MM Bore; 40MM Outside Diameter; 12MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel
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	http://www.ntnamerica.com
Manufacturer Item Number	6203Z
Weight / LBS	0.146



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Bore	0.669 Inch 17 Millimeter
Outer Race Width	0.472 Inch 12 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outside Diameter	1.575 Inch 40 Millimeter
bore diameter:	17 mm
precision rating:	ISO Class 0
outside diameter:	40 mm
finish/coating:	Uncoated
overall width:	12 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Single Shield
inner ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	12 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	18000 rpm
internal clearance:	CN
maximum rpm (oil):	21000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	0.6 mm
dynamic load capacity:	9600 N
manufacturer product page:	Click here
static load capacity:	4600 N