



## NTN BEARING CORP.OF America LTD.



6203lu Bearing 2D drawings and 3D CAD models

### 17,000 mm x 40,000 mm x 12,000 mm NTN 6203lu Bearing

Bearing No. 6203lu

|  |             |
|--|-------------|
| Size   | 17x40x12 mm |
| Bore Diameter                                    | 17,000 mm   |
| Outer Diameter                                   | 40,000 mm   |
| Width  | 12,000 mm   |
| d  | 17,000 mm   |
| D  | 40,000 mm   |
| B  | 12,000 mm   |
| C  | 12,000 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 (grease)                                    | 12,000 rpm  |
| Min operating temperature,<br>Tmin               | -25 ° C     |
| Max operating temperature,<br>Tmax               | 110 ° C     |
| Characteristic cage<br>frequency, FTF            | 0.38 Hz     |
| Characteristic rolling<br>element frequency, BSF | 3.78 Hz     |
| Characteristic outer ring<br>frequency, BPF0     | 2.63 Hz     |
| Characteristic inner ring                        | 4.37 Hz     |



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|                                 |  |
|---------------------------------|--|
| frequency, BPFI                 |  |
| da min                          | 21 mm  |
| da max                          | 23 mm  |
| Da max                          | 36 mm  |
| ra max                          | 0.6 mm   |
| Category                        | Single Row Ball Bearings   |
| Inventory                       | 0.0  |
| Manufacturer Name               | NTN  |
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 0.062  |
| EAN                             | 4547359351620  |
| Product Group                   | B00308   |
| Enclosure                       | 1 Seal   |
| 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  |
| Enclosure Type                  | Contact Seal   |
| Internal Clearance              | C0-Medium  |
| Inch - Metric                   | Metric   |
| Long Description                | 17MM Bore; 40MM Outside Diameter; 12MM Outer Race Diameter; 1 Seal; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Category                        | Single Row Ball Bearing  |
| UNSPSC                          | 31171504   |
| Harmonized Tariff Code          | 8482.10.50.68  |
| Noun                            | Bearing  |
|                                 |  |



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| Keyword String               | Ball  |
|------------------------------|---|
| Manufacturer URL             | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a> |
| Manufacturer Item Number     | 6203LU  |
| Weight / LBS                 | 0.138   |
| Outer Race Width             | 0.472 Inch   12 Millimeter  |
| Outside Diameter             | 1.575 Inch   40 Millimeter  |
| Bore                         | 0.669 Inch   17 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 Seal   |
| 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):        | 12000 rpm   |
| internal clearance:          | CN  |
| fillet radius:               | 0.6 mm  |
| operating temperature range: | -40 to 120 ° C  |
| maximum rpm:                 | 21000 RPM   |
| dynamic load capacity:       | 9600 N  |
| series:                      | 62  |
| static load capacity:        | 4600 N  |
| manufacturer product page:   | <a href="#">Click here</a>  |