



PFG BEARING LIMITED

17 mm x 40 mm x 12 mm ntn 6203 bearing



Bearing No. 6203

| | |
|-------------------------------|--------------|
| Size | 17x40x12 mm |
| Bore Diameter | 17 mm |
| Outer Diameter | 40 mm |
| Width | 12 mm |
| d | 17 mm |
| D | 40 mm |
| B | 12 mm |
| C | 12 mm |
| r min. | 0,6 mm |
| da min. | 21 mm |
| da max | 23 mm |
| Da max. | 36 mm |
| ra max. | 0,6 mm |
| Weight | 0,066 Kg |
| Basic dynamic load rating (C) | 9,6 kN |
| Basic static load rating (C0) | 4,6 kN |
| (Grease) Lubrication Speed | 18 000 r/min |
| (Oil) Lubrication Speed | 21 000 r/min |
| 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 |

6203 Bearing 2D drawings and 3D CAD models



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| | |
|---|--------------------------|
| 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 |
| Inventory | 0.0 |
| Manufacturer Name | NTN |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.065 |
| EAN | 4547359004519 |
| 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 | 17MM Bore; 40MM |



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| | |
|--------------------------|--|
| | Outside Diameter; 12MM Outer Race Width; Open; 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 | http://www.ntnamerica.com |
| Manufacturer Item Number | 6203 |
| Weight / LBS | 0.143 |
| Bore | 0.669 Inch 17 Millimeter |
| Inner Race Width | 0 Inch 0 Millimeter |
| Outside Diameter | 1.575 Inch 40 Millimeter |
| Outer Race Width | 0.472 Inch 12 Millimeter |
| bore diameter: | 17 mm |
| finish/coating: | Uncoated |
| outside diameter: | 40 mm |
| bearing material: | High Carbon Chrome Steel |
| overall width: | 12 mm |
| cage material: | Steel |
| bore type: | Round |
| inner ring width: | 12 mm |
| closure type: | Open |
| outer ring width: | 12 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| maximum rpm (grease): | 18000 rpm |
| snap ring included: | Without Snap Ring |



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| | |
|------------------------------|----------------------------|
| maximum rpm (oil): | 21000 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: | Click here |
| precision rating: | Class 0 |