



Bearing No. 7205BG

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|------------|------------------------------|
| B | 15,000 mm |
| a | 24 mm |
| C | 15,000 mm |
| d | 25,000 mm |
| D | 52,000 mm |
| Noun | Bearing |
| Mass | 0.13 kg |
| Bore | 0.984 Inch 25 Millimeter |
| Width | 0.591 Inch 15 Millimeter |
| ra max | 1 mm |
| Db max | 47.5 mm |
| Da max | 46.5 mm |
| db min | 29.5 mm |
| da min | 30.5 mm |
| UNSPSC | 31171531 |
| rs min | 1 mm |
| series: | 72B |
| r1s min | 0.6 mm |
| weight: | 0.130 kg |
| r1a max | 0.6 mm |
| Category | Angular Contact Ball Bearing |
| Enclosure | Open |
| Inventory | 0.0 |
| Snap Ring | No |
| Size (mm) | 25x52x15 |
| bore type: | Round |
| Width (mm) | 15,000 |
| Nlim (oil) | 16,000 rpm |

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|-------------------|---|
| Flush Ground | Yes |
| maximum rpm: | 16000 rpm |
| Weight / LBS | 0.287 |
| Cage Material | Steel |
| Inch - Metric | Metric |
| Nlim (grease) | 12,000 rpm |
| Product Group | B00308 |
| closure type: | Open |
| Contact Angle | 40 Degree |
| Bearing number | 7205BG |
| Keyword String | Angular Contact |
| bore diameter: | 25 mm |
| cage material: | Steel |
| contact angle: | 40 ° |
| fillet radius: | 1 mm |
| overall width: | 15 mm |
| finish/coating: | Uncoated |
| Precision Class | ABEC 1 ISO P0 |
| Static load, C0 | 9.4 kN |
| Rolling Element | Ball Bearing |
| Dynamic load, C | 14.8 kN |
| Contact angle ? | 40 ° |
| Manufacturer URL | http://www.ntnamerica.com |
| Outside Diameter | 2.047 Inch 52 Millimeter |
| Long Description | 25MM Bore; 52MM Outside Diameter; 15MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring |
| outside diameter: | 52 mm |

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|---------------------------------|----------------------------|
| Weight / Kilogram | 0.13 |
| outer ring width: | 15 mm |
| precision rating: | ISO Class 0 |
| Manufacturer Name | NTN |
| bearing material: | High Carbon Chrome Steel |
| Bore Diameter (mm) | 25,000 |
| Number of Bearings | 1 (Single) |
| Internal Clearance | C0-Medium |
| internal clearance: | C0 |
| snap ring included: | Without Snap Ring |
| Outer Diameter (mm) | 52,000 |
| Mounting Arrangement | Universal |
| Minimum Buy Quantity | N/A |
| row type & fill slot: | Single-Row Non-Fill Slot |
| Harmonized Tariff Code | 8482.10.50.28 |
| Radial clearance class | CN |
| Fatigue limit load, Cu | 0.43 kN |
| Number of Rows of Balls | Single Row |
| Manufacturer Item Number | 7205BG |
| manufacturer product page: | Click here |
| operating temperature range: | -40 to 120 °C |
| radial static load capacity: | 9400 N |
| radial dynamic load capacity: | 14800 N |
| Min operating temperature, Tmin | -40 °C |
| Max operating temperature, Tmax | 120 °C |
| Maximum Capacity / Filling Slot | No |

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|---|---------|
| Characteristic cage frequency, FTF | 0.42 Hz |
| Characteristic outer ring frequency, BPF0 | 5.49 Hz |
| Characteristic inner ring frequency, BPF1 | 7.51 Hz |
| Characteristic rolling element frequency, BSF | 4.8 Hz |