



Bearing No. 7314BG

|            |                              |
|------------|------------------------------|
| D          | 150,000 mm                   |
| d          | 70,000 mm                    |
| B          | 35,000 mm                    |
| C          | 35,000 mm                    |
| a          | 63.5 mm                      |
| Mass       | 2.61 kg                      |
| Noun       | Bearing                      |
| Bore       | 2.756 Inch   70 Millimeter   |
| Width      | 1.378 Inch   35 Millimeter   |
| Da max     | 138 mm                       |
| Db max     | 143 mm                       |
| UNSPSC     | 31171531                     |
| ra max     | 2 mm                         |
| rs min     | 2.1 mm                       |
| da min     | 82 mm                        |
| db min     | 77 mm                        |
| r1s min    | 1.1 mm                       |
| r1a max    | 1 mm                         |
| series:    | 73B                          |
| weight:    | 2.560 kg                     |
| Category   | Angular Contact Ball Bearing |
| Inventory  | 0.0                          |
| Enclosure  | Open                         |
| Snap Ring  | No                           |
| Size (mm)  | 70x150x35                    |
| Nlim (oil) | 5,800 rpm                    |
| bore type: | Round                        |
| Width (mm) | 35,000                       |
|            |                              |

|                   |                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flush Ground      | Yes                                                                                                                                                      |
| Weight / LBS      | 5.658                                                                                                                                                    |
| maximum rpm:      | 5800 rpm                                                                                                                                                 |
| Cage Material     | Steel                                                                                                                                                    |
| Contact Angle     | 40 Degree                                                                                                                                                |
| Product Group     | B00308                                                                                                                                                   |
| Inch - Metric     | Metric                                                                                                                                                   |
| Nlim (grease)     | 4,400 rpm                                                                                                                                                |
| closure type:     | Open                                                                                                                                                     |
| bore diameter:    | 70 mm                                                                                                                                                    |
| cage material:    | Steel                                                                                                                                                    |
| Keyword String    | Angular Contact                                                                                                                                          |
| contact angle:    | 40 °                                                                                                                                                     |
| fillet radius:    | 2.1 mm                                                                                                                                                   |
| overall width:    | 35 mm                                                                                                                                                    |
| Bearing number    | 7314BG                                                                                                                                                   |
| Dynamic load, C   | 114 kN                                                                                                                                                   |
| finish/coating:   | Uncoated                                                                                                                                                 |
| Precision Class   | ABEC 1   ISO P0                                                                                                                                          |
| Static load, C0   | 86 kN                                                                                                                                                    |
| Rolling Element   | Ball Bearing                                                                                                                                             |
| Long Description  | 70MM Bore; 150MM Outside Diameter; 35MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring |
| Manufacturer URL  | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>                                                                                        |
| Outside Diameter  | 5.906 Inch   150 Millimeter                                                                                                                              |
| Contact angle ?   | 40 °                                                                                                                                                     |
| Manufacturer Name | NTN                                                                                                                                                      |

|                                 |                            |
|---------------------------------|----------------------------|
| bearing material:               | High Carbon Chrome Steel   |
| precision rating:               | ISO Class 0                |
| outer ring width:               | 35 mm                      |
| Weight / Kilogram               | 2.57                       |
| outside diameter:               | 150 mm                     |
| Number of Bearings              | 1 (Single)                 |
| Bore Diameter (mm)              | 70,000                     |
| Internal Clearance              | C0-Medium                  |
| Outer Diameter (mm)             | 150,000                    |
| snap ring included:             | Without Snap Ring          |
| internal clearance:             | C0                         |
| Minimum Buy Quantity            | N/A                        |
| Mounting Arrangement            | Universal                  |
| row type & fill slot:           | Single-Row Non-Fill Slot   |
| Fatigue limit load, Cu          | 3.75 kN                    |
| Harmonized Tariff Code          | 8482.10.50.28              |
| Radial clearance class          | CN                         |
| Number of Rows of Balls         | Single Row                 |
| Manufacturer Item Number        | 7314BG                     |
| manufacturer product page:      | <a href="#">Click here</a> |
| operating temperature range:    | -40 to 120 °C              |
| radial static load capacity:    | 86000 N                    |
| radial dynamic load capacity:   | 114000 N                   |
| Min operating temperature, Tmin | -40 °C                     |
| Maximum Capacity / Filling Slot | No                         |
| Max operating temperature, Tmax | 120 °C                     |

