



Bearing No. NJ2314

|           |                                    |
|-----------|------------------------------------|
| E         | 130 mm                             |
| d         | 70 mm                              |
| D         | 150 mm                             |
| B         | 51 mm                              |
| C         | 51 mm                              |
| J         | 98 mm                              |
| F         | 90 mm                              |
| Fw        | 90 mm                              |
| d1        | 98 mm                              |
| Bore      | 2.756 Inch   70 Millimeter         |
| Noun      | Bearing                            |
| Width     | 2.008 Inch   51 Millimeter         |
| Da max    | 139 mm                             |
| dc min    | 100 mm                             |
| da max    | 87 mm                              |
| da min    | 81 mm                              |
| rs min    | 2.1 mm                             |
| ra max    | 2 mm                               |
| UNSPSC    | 31171547                           |
| Weight    | 3,98 Kg                            |
| r min.    | 2,1 mm                             |
| r1s min   | 2.1 mm                             |
| r1 min.   | 2,1 mm                             |
| Profile   | Complete with Outer and Inner Ring |
| Category  | Cylindrical Roller Bearing         |
| Retainer  | Yes                                |
| Separable | Inner Ring - One Side              |
|           |                                    |

|                   |                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Snap Ring         | No                                                                                                                                                                                                                                  |
| Size (mm)         | 70x150x51                                                                                                                                                                                                                           |
| Inventory         | 0.0                                                                                                                                                                                                                                 |
| Nlim (oil)        | 4,800 rpm                                                                                                                                                                                                                           |
| Width (mm)        | 51                                                                                                                                                                                                                                  |
| Bore Profile      | Straight                                                                                                                                                                                                                            |
| Weight / LBS      | 9.021                                                                                                                                                                                                                               |
| Nlim (grease)     | 4,100 rpm                                                                                                                                                                                                                           |
| Product Group     | B04144                                                                                                                                                                                                                              |
| Cage Material     | Steel                                                                                                                                                                                                                               |
| Inch - Metric     | Metric                                                                                                                                                                                                                              |
| Relubricatable    | Yes                                                                                                                                                                                                                                 |
| Other Features    | 1 Rib Inner Ring   2 Rib<br>Outer Ring   Cage On<br>Outer Ring ID                                                                                                                                                                   |
| Bearing number    | NJ2314                                                                                                                                                                                                                              |
| Dynamic load, C   | 223 kN                                                                                                                                                                                                                              |
| Precision Class   | RBEC 1   ISO P0                                                                                                                                                                                                                     |
| Rolling Element   | Cylindrical Roller<br>Bearing                                                                                                                                                                                                       |
| Static load, C0   | 262 kN                                                                                                                                                                                                                              |
| Outside Diameter  | 5.906 Inch   150<br>Millimeter                                                                                                                                                                                                      |
| Long Description  | 70MM Bore; Straight<br>Bore Profile; 150MM<br>Outside Diameter;<br>51MM Width; Steel<br>Cage Matetrial; RBEC 1<br>  ISO P0; Single Row;<br>Inner Ring - One Side<br>Separable; No Snap<br>Ring; Relubricatable;<br>C0-Medium Intern |
| Manufacturer URL  | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>                                                                                                                                                                   |
| Manufacturer Name | NTN                                                                                                                                                                                                                                 |
|                   |                                                                                                                                                                                                                                     |

|                                               |               |
|-----------------------------------------------|---------------|
| Weight / Kilogram                             | 4.1           |
| Bore Diameter (mm)                            | 70            |
| Internal Clearance                            | C0-Medium     |
| Outer Diameter (mm)                           | 150           |
| Minimum Buy Quantity                          | N/A           |
| Harmonized Tariff Code                        | 8482.50.00.00 |
| Radial clearance class                        | CN            |
| Mass (without HJ ring)                        | 4.18 kg       |
| Fatigue limit load, Cu                        | 31.1 kN       |
| Manufacturer Item Number                      | NJ2314        |
| Number of Rows of Rollers                     | Single Row    |
| (Grease) Lubrication Speed                    | 4 100 r/min   |
| Basic static load rating (C0)                 | 262 kN        |
| Basic dynamic load rating (C)                 | 223 kN        |
| Min operating temperature, Tmin               | -40 °C        |
| Max operating temperature, Tmax               | 120 °C        |
| Characteristic cage frequency, FTF            | 0.41 Hz       |
| Characteristic outer ring frequency, BPF0     | 5.32 Hz       |
| Characteristic inner ring frequency, BPFI     | 7.68 Hz       |
| Characteristic rolling element frequency, BSF | 5.32 Hz       |