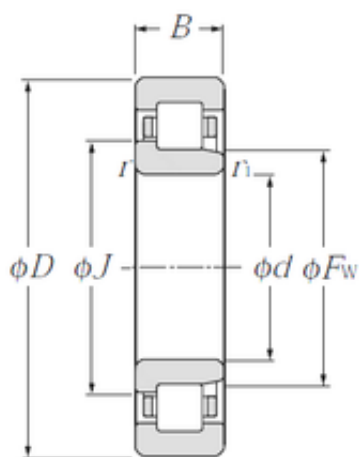




Bearing No. NJ2220

|           |                                    |
|-----------|------------------------------------|
| E         | 160 mm                             |
| d         | 100 mm                             |
| D         | 180 mm                             |
| B         | 46 mm                              |
| C         | 46 mm                              |
| J         | 128 mm                             |
| F         | 120 mm                             |
| Fw        | 120 mm                             |
| d1        | 128 mm                             |
| Bore      | 3.937 Inch   100 Millimeter        |
| Noun      | Bearing                            |
| Width     | 1.811 Inch   46 Millimeter         |
| Da max    | 169 mm                             |
| dc min    | 130 mm                             |
| da max    | 117 mm                             |
| da min    | 111 mm                             |
| rs min    | 2.1 mm                             |
| ra max    | 2 mm                               |
| UNSPSC    | 31171547                           |
| Weight    | 4,57 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)         | 100x180x46                                                                                                                                                                                                                          |
| Inventory         | 0.0                                                                                                                                                                                                                                 |
| Nlim (oil)        | 4,100 rpm                                                                                                                                                                                                                           |
| Width (mm)        | 46                                                                                                                                                                                                                                  |
| Bore Profile      | Straight                                                                                                                                                                                                                            |
| Weight / LBS      | 10.475                                                                                                                                                                                                                              |
| Nlim (grease)     | 3,500 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    | NJ2220                                                                                                                                                                                                                              |
| Dynamic load, C   | 258 kN                                                                                                                                                                                                                              |
| Precision Class   | RBEC 1   ISO P0                                                                                                                                                                                                                     |
| Rolling Element   | Cylindrical Roller<br>Bearing                                                                                                                                                                                                       |
| Static load, C0   | 340 kN                                                                                                                                                                                                                              |
| Outside Diameter  | 7.087 Inch   180<br>Millimeter                                                                                                                                                                                                      |
| Long Description  | 100MM Bore; Straight<br>Bore Profile; 180MM<br>Outside Diameter;<br>46MM 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 Inter |
| Manufacturer URL  | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>                                                                                                                                                                   |
| Manufacturer Name | NTN                                                                                                                                                                                                                                 |
|                   |                                                                                                                                                                                                                                     |

|                                               |               |
|-----------------------------------------------|---------------|
| Weight / Kilogram                             | 4.76          |
| Bore Diameter (mm)                            | 100           |
| Internal Clearance                            | C0-Medium     |
| Outer Diameter (mm)                           | 180           |
| Minimum Buy Quantity                          | N/A           |
| Harmonized Tariff Code                        | 8482.50.00.00 |
| Radial clearance class                        | CN            |
| Mass (without HJ ring)                        | 4.9 kg        |
| Fatigue limit load, Cu                        | 37.5 kN       |
| Manufacturer Item Number                      | NJ2220        |
| Number of Rows of Rollers                     | Single Row    |
| (Grease) Lubrication Speed                    | 3 500 r/min   |
| Basic static load rating (C0)                 | 340 kN        |
| Basic dynamic load rating (C)                 | 258 kN        |
| Min operating temperature, Tmin               | -40 °C        |
| Max operating temperature, Tmax               | 120 °C        |
| Characteristic cage frequency, FTF            | 0.43 Hz       |
| Characteristic outer ring frequency, BPF0     | 6.86 Hz       |
| Characteristic inner ring frequency, BPFI     | 9.14 Hz       |
| Characteristic rolling element frequency, BSF | 6.86 Hz       |