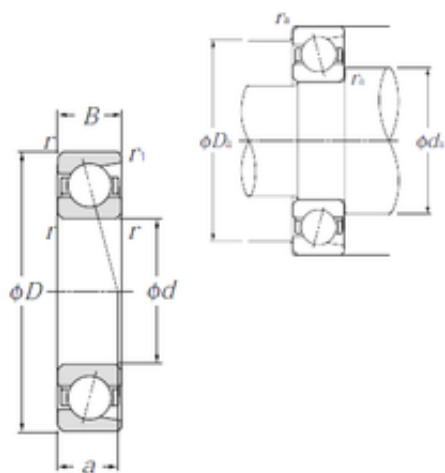




Bearing No. 7312B

|           |                              |
|-----------|------------------------------|
| D         | 130 mm                       |
| d         | 60 mm                        |
| B         | 31 mm                        |
| C         | 31 mm                        |
| a         | 56 mm                        |
| Bore      | 2.362 Inch   60 Millimeter   |
| Mass      | 1.77 kg                      |
| Noun      | Bearing                      |
| Width     | 1.22 Inch   31 Millimeter    |
| db min    | 67 mm                        |
| rs min    | 2.1 mm                       |
| UNSPSC    | 31171531                     |
| Weight    | 1,77 Kg                      |
| Db max    | 123 mm                       |
| ra max    | 2 mm                         |
| r min.    | 2,1 mm                       |
| da min    | 72 mm                        |
| Da max    | 118 mm                       |
| da min.   | 72 mm                        |
| ra max.   | 2 mm                         |
| r1a max   | 1 mm                         |
| series:   | 73B                          |
| r1s min   | 1.1 mm                       |
| weight:   | 1.760 kg                     |
| r1 min.   | 1,1 mm                       |
| Category  | Angular Contact Ball Bearing |
| Enclosure | Open                         |
| Size (mm) | 60x130x31                    |
| Snap Ring | No                           |

|                  |                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------|
| Inventory        | 0.0                                                                                                           |
| Nlim (oil)       | 6,800 rpm                                                                                                     |
| bore type:       | Round                                                                                                         |
| Width (mm)       | 31                                                                                                            |
| Flush Ground     | No                                                                                                            |
| maximum rpm:     | 6800 rpm                                                                                                      |
| Weight / LBS     | 3.89                                                                                                          |
| Product Group    | B00308                                                                                                        |
| Inch - Metric    | Metric                                                                                                        |
| Contact Angle    | 40 Degree                                                                                                     |
| Cage Material    | Steel                                                                                                         |
| Nlim (grease)    | 5,100 rpm                                                                                                     |
| closure type:    | Open                                                                                                          |
| Keyword String   | Angular Contact                                                                                               |
| bore diameter:   | 60 mm                                                                                                         |
| overall width:   | 31 mm                                                                                                         |
| contact angle:   | 40 °                                                                                                          |
| fillet radius:   | 2.1 mm                                                                                                        |
| cage material:   | Steel                                                                                                         |
| Bearing number   | 7312B                                                                                                         |
| Rolling Element  | Ball Bearing                                                                                                  |
| finish/coating:  | Uncoated                                                                                                      |
| Dynamic load, C  | 90 kN                                                                                                         |
| Static load, C0  | 66 kN                                                                                                         |
| Precision Class  | ABEC 1   ISO P0                                                                                               |
| Angle (?)        | 40 °                                                                                                          |
| Outside Diameter | 5.118 Inch   130<br>Millimeter                                                                                |
| Contact angle ?  | 40 °                                                                                                          |
| Long Description | 60MM Bore; 130MM<br>Outside Diameter;<br>31MM Width; Open; No<br>Flush Ground; Ball<br>Bearing; Single Row of |

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
|                                  | Balls; ABEC 1   ISO P0;<br>No Filling Slot; No Snap<br>Ring       |
| Manufacturer URL                 | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a> |
| precision rating:                | ISO Class 0                                                       |
| outer ring width:                | 31 mm                                                             |
| outside diameter:                | 130 mm                                                            |
| bearing material:                | High Carbon Chrome<br>Steel                                       |
| Weight / Kilogram                | 1.77                                                              |
| Manufacturer Name                | NTN                                                               |
| Bore Diameter (mm)               | 60                                                                |
| Number of Bearings               | 1 (Single)                                                        |
| Internal Clearance               | C0-Medium                                                         |
| Outer Diameter (mm)              | 130                                                               |
| internal clearance:              | C0                                                                |
| snap ring included:              | Without Snap Ring                                                 |
| Minimum Buy Quantity             | N/A                                                               |
| row type & fill slot:            | Single-Row Non-Fill Slot                                          |
| Fatigue limit load, Cu           | 3 kN                                                              |
| Harmonized Tariff Code           | 8482.10.50.28                                                     |
| Number of Rows of Balls          | Single Row                                                        |
| Manufacturer Item<br>Number      | 7312B                                                             |
| (Grease) Lubrication<br>Speed    | 5 100 r/min                                                       |
| manufacturer product<br>page:    | <a href="#">Click here</a>                                        |
| operating temperature<br>range:  | -40 to 120 °C                                                     |
| radial static load<br>capacity:  | 66000 N                                                           |
| Basic dynamic load<br>rating (C) | 90 kN                                                             |
|                                  |                                                                   |

|                                 |         |
|---------------------------------|---------|
| Basic static load rating (C0)   | 66 kN   |
| radial dynamic load capacity:   | 90000 N |
| Min operating temperature, Tmin | -40 °C  |
| Max operating temperature, Tmax | 120 °C  |
| Maximum Capacity / Filling Slot | No      |