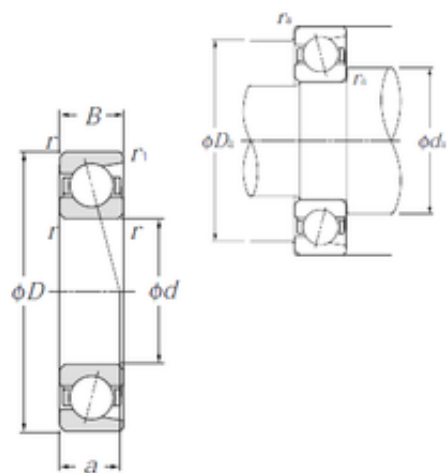




Bearing No. 7309B

|           |                              |
|-----------|------------------------------|
| D         | 100 mm                       |
| d         | 45 mm                        |
| B         | 25 mm                        |
| C         | 25 mm                        |
| a         | 43 mm                        |
| Mass      | 0.85 kg                      |
| Bore      | 1.772 Inch   45 Millimeter   |
| Noun      | Bearing                      |
| Width     | 0.984 Inch   25 Millimeter   |
| Weight    | 0,854 Kg                     |
| rs min    | 1.5 mm                       |
| db min    | 50,5 mm                      |
| da min    | 53.5 mm                      |
| Da max    | 91.5 mm                      |
| r min.    | 1,5 mm                       |
| ra max    | 1.5 mm                       |
| UNSPSC    | 31171531                     |
| Db max    | 94.5 mm                      |
| r1s min   | 1 mm                         |
| r1a max   | 1 mm                         |
| ra max.   | 1,5 mm                       |
| da min.   | 53,5 mm                      |
| r1 min.   | 1 mm                         |
| series:   | 73B                          |
| weight:   | 0.847 kg                     |
| Category  | Angular Contact Ball Bearing |
| Size (mm) | 45x100x25                    |
| Snap Ring | No                           |

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Enclosure        | Open                                                              |
| Inventory        | 0.0                                                               |
| bore type:       | Round                                                             |
| Nlim (oil)       | 8,900 rpm                                                         |
| Width (mm)       | 25                                                                |
| Flush Ground     | No                                                                |
| Weight / LBS     | 1.872                                                             |
| maximum rpm:     | 8900 rpm                                                          |
| Inch - Metric    | Metric                                                            |
| Contact Angle    | 40 Degree                                                         |
| Cage Material    | Steel                                                             |
| Product Group    | B00308                                                            |
| Nlim (grease)    | 6,600 rpm                                                         |
| closure type:    | Open                                                              |
| Keyword String   | Angular Contact                                                   |
| bore diameter:   | 45 mm                                                             |
| overall width:   | 25 mm                                                             |
| contact angle:   | 40 °                                                              |
| fillet radius:   | 1.5 mm                                                            |
| cage material:   | Steel                                                             |
| Bearing number   | 7309B                                                             |
| Angle (?)        | 40 °                                                              |
| Rolling Element  | Ball Bearing                                                      |
| Dynamic load, C  | 58.5 kN                                                           |
| Static load, C0  | 40 kN                                                             |
| Precision Class  | ABEC 1   ISO P0                                                   |
| finish/coating:  | Uncoated                                                          |
| Manufacturer URL | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a> |
| Contact angle ?  | 40 °                                                              |
| Outside Diameter | 3.937 Inch   100 Millimeter                                       |
| Long Description | 45MM Bore; 100MM                                                  |

|                                 |                                                                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | Outside Diameter;<br>25MM Width; Open; No<br>Flush Ground; Ball<br>Bearing; Single Row of<br>Balls; ABEC 1   ISO P0;<br>No Filling Slot; No Snap<br>Ring |
| outside diameter:               | 100 mm                                                                                                                                                   |
| precision rating:               | ISO Class 0                                                                                                                                              |
| outer ring width:               | 25 mm                                                                                                                                                    |
| Manufacturer Name               | NTN                                                                                                                                                      |
| bearing material:               | High Carbon Chrome<br>Steel                                                                                                                              |
| Weight / Kilogram               | 0.848                                                                                                                                                    |
| Number of Bearings              | 1 (Single)                                                                                                                                               |
| Internal Clearance              | C0-Medium                                                                                                                                                |
| Bore Diameter (mm)              | 45                                                                                                                                                       |
| snap ring included:             | Without Snap Ring                                                                                                                                        |
| Outer Diameter (mm)             | 100                                                                                                                                                      |
| internal clearance:             | C0                                                                                                                                                       |
| Minimum Buy Quantity            | N/A                                                                                                                                                      |
| row type & fill slot:           | Single-Row Non-Fill Slot                                                                                                                                 |
| Harmonized Tariff Code          | 8482.10.50.28                                                                                                                                            |
| Fatigue limit load, Cu          | 1.82 kN                                                                                                                                                  |
| Number of Rows of Balls         | Single Row                                                                                                                                               |
| Manufacturer Item<br>Number     | 7309B                                                                                                                                                    |
| manufacturer product<br>page:   | <a href="#">Click here</a>                                                                                                                               |
| (Grease) Lubrication<br>Speed   | 6 600 r/min                                                                                                                                              |
| operating temperature<br>range: | -40 to 120 °C                                                                                                                                            |
| radial static load<br>capacity: | 40000 N                                                                                                                                                  |
| Basic static load rating        | 40 kN                                                                                                                                                    |

|                                               |         |
|-----------------------------------------------|---------|
| (C0)                                          |         |
| Basic dynamic load rating (C)                 | 58,5 kN |
| radial dynamic load capacity:                 | 58500 N |
| Min operating temperature, Tmin               | -40 °C  |
| Max operating temperature, Tmax               | 120 °C  |
| Maximum Capacity / Filling Slot               | No      |
| Characteristic cage frequency, FTF            | 0.41 Hz |
| Characteristic outer ring frequency, BPF0     | 4.92 Hz |
| Characteristic inner ring frequency, BPFI     | 7.08 Hz |
| Characteristic rolling element frequency, BSF | 4.1 Hz  |