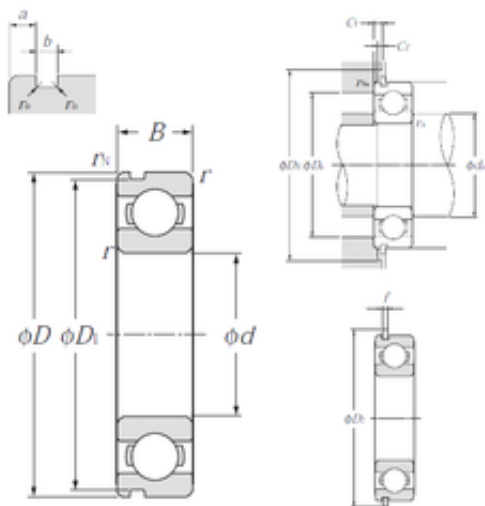




Bearing No. 6009NR

|        |                               |
|--------|-------------------------------|
| b      | 1,9 mm                        |
| d      | 45 mm                         |
| D      | 75 mm                         |
| B      | 16 mm                         |
| C      | 16 mm                         |
| f      | 1,7 mm                        |
| a      | 2,49 mm                       |
| D1     | 71,83 mm                      |
| D2     | 81,6 mm                       |
| Cy     | 3,8 mm                        |
| f0     | 15.3                          |
| rn     | 0,5 mm                        |
| Dx     | 83 mm                         |
| Cz     | 1,7 mm                        |
| Bore   | 1.772 Inch   45<br>Millimeter |
| Noun   | Bearing                       |
| Mass   | 0.24 kg                       |
| b max  | 2.2 mm                        |
| b min  | 1.9 mm                        |
| a min  | 2.29 mm                       |
| a max  | 2.49 mm                       |
| UNSPSC | 31171504                      |
| D4 max | 81.6 mm                       |
| Db min | 83 mm                         |
| da min | 50 mm                         |
| D3 max | 71.83 mm                      |
| Da max | 70 mm                         |
| rs min | 1 mm                          |
| Ca max | 4.19 mm                       |
|        |                               |

|                |                         |
|----------------|-------------------------|
| Ca min         | 3.89 mm                 |
| r0 max         | 0.6 mm                  |
| ra max         | 1 mm                    |
| da max         | 52,5 mm                 |
| r min.         | 1 mm                    |
| Weight         | 0,237 Kg                |
| series:        | 60                      |
| r0 max.        | 0,6 mm                  |
| da min.        | 50 mm                   |
| rNa max        | 0.5 mm                  |
| Da max.        | 70 mm                   |
| rNs min        | 0.5 mm                  |
| ra max.        | 1 mm                    |
| Category       | Single Row Ball Bearing |
| Size (mm)      | 45x75x16                |
| Inventory      | 0.0                     |
| Enclosure      | Open                    |
| Snap Ring      | Yes                     |
| Nlim (oil)     | 11,000 rpm              |
| bore type:     | Round                   |
| Width (mm)     | 16                      |
| Weight / LBS   | 0.537                   |
| maximum rpm:   | 11000 RPM               |
| Inch - Metric  | Metric                  |
| Product Group  | B00308                  |
| Cage Material  | Steel                   |
| closure type:  | Open                    |
| Nlim (grease)  | 9,200 rpm               |
| Keyword String | Ball                    |
| Bearing number | 6009NR                  |
| fillet radius: | 1 mm                    |
| cage material: | Steel                   |
|                |                         |

|                     |                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| overall width:      | 16 mm                                                                                                                                                                              |
| bore diameter:      | 45 mm                                                                                                                                                                              |
| Precision Class     | ABEC 1   ISO P0                                                                                                                                                                    |
| Rolling Element     | Ball Bearing                                                                                                                                                                       |
| finish/coating:     | Uncoated                                                                                                                                                                           |
| Dynamic load, C     | 21 kN                                                                                                                                                                              |
| Static load, C0     | 15.1 kN                                                                                                                                                                            |
| Outside Diameter    | 2.953 Inch   75<br>Millimeter                                                                                                                                                      |
| Manufacturer URL    | <a href="http://www.snrbearings.com">http://www.snrbearings.com</a>                                                                                                                |
| Outer Race Width    | 0.63 Inch   16 Millimeter                                                                                                                                                          |
| Long Description    | 45MM Bore; 75MM<br>Outside Diameter;<br>16MM Outer Race<br>Diameter; Open; Ball<br>Bearing; ABEC 1   ISO<br>P0; No Filling Slot; Yes<br>Snap Ring; No Internal<br>Special Features |
| bearing material:   | High Carbon Chrome<br>Steel                                                                                                                                                        |
| inner ring width:   | 16 mm                                                                                                                                                                              |
| outer ring width:   | 16 mm                                                                                                                                                                              |
| outside diameter:   | 75 mm                                                                                                                                                                              |
| precision rating:   | ISO Class 0                                                                                                                                                                        |
| Weight / Kilogram   | 0.24                                                                                                                                                                               |
| Manufacturer Name   | NTN                                                                                                                                                                                |
| Internal Clearance  | C0-Medium                                                                                                                                                                          |
| Bore Diameter (mm)  | 45                                                                                                                                                                                 |
| maximum rpm (oil):  | 11000 rpm                                                                                                                                                                          |
| internal clearance: | CN                                                                                                                                                                                 |
| Snap ring reference | R75                                                                                                                                                                                |
| snap ring included: | With Snap Ring                                                                                                                                                                     |
| Outer Diameter (mm) | 75                                                                                                                                                                                 |
|                     |                                                                                                                                                                                    |

|                                           |                            |
|-------------------------------------------|----------------------------|
| Minimum Buy Quantity                      | N/A                        |
| row type & fill slot:                     | Single Row Non-Fill Slot   |
| maximum rpm (grease):                     | 9200 rpm                   |
| static load capacity:                     | 11500 N                    |
| dynamic load capacity:                    | 21000 N                    |
| Fatigue limit load, Cu                    | 0.69 kN                    |
| Radial clearance class                    | CN                         |
| Harmonized Tariff Code                    | 8482.10.50.68              |
| (Oil) Lubrication Speed                   | 11 000 r/min               |
| Manufacturer Item Number                  | 6009.NR                    |
| Internal Special Features                 | No                         |
| (Grease) Lubrication Speed                | 9 200 r/min                |
| manufacturer product page:                | <a href="#">Click here</a> |
| operating temperature range:              | -40 to 120 °C              |
| Basic static load rating (C0)             | 15,1 kN                    |
| Basic dynamic load rating (C)             | 21 kN                      |
| Min operating temperature, Tmin           | -20 °C                     |
| Max operating temperature, Tmax           | 120 °C                     |
| Maximum Capacity / Filling Slot           | No                         |
| Characteristic cage frequency, FTF        | 0.43 Hz                    |
| Characteristic outer ring frequency, BPF0 | 5.55 Hz                    |
| Characteristic inner ring frequency, BPF1 | 7.45 Hz                    |
| Characteristic rolling                    | 6.73 Hz                    |

|                        |  |
|------------------------|--|
| element frequency, BSF |  |
|------------------------|--|