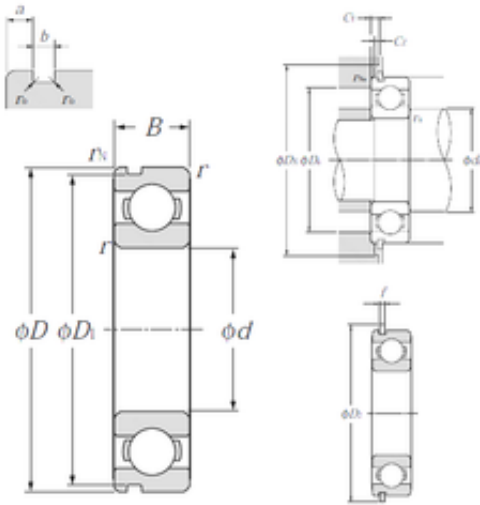




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45 mm x 85 mm x 19 mm NTN 6209NR deep groove ball bearings

Bearing No. 6209NR

| | |
|----------------|-------------|
| Size | 45x85x19 mm |
| Bore Diameter | 45 mm |
| Outer Diameter | 85 mm |
| Width | 19 mm |
| d | 45 mm |
| D | 85 mm |
| B | 19 mm |
| C | 19 mm |
| rn | 0,5 mm |
| a | 3,28 mm |
| b | 1,9 mm |
| f | 1,7 mm |
| r min. | 1,1 mm |
| r0 max. | 0,6 mm |
| D1 | 81,81 mm |
| D2 | 91,6 mm |
| da min. | 51,5 mm |
| da max | 55,5 mm |
| Da max. | 78,5 mm |
| ra max. | 1 mm |
| Dx | 93 mm |
| Cy | 4,6 mm |
| Cz | 1,7 mm |
| rn | 0,5 mm |
| Weight | 0,398 Kg |
| | |

6209NR Bearing 2D drawings and 3D CAD models



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| | |
|---|-------------|
| Basic dynamic load rating (C) | 32,5 kN |
| Basic static load rating (C0) | 20,4 kN |
| (Grease) Lubrication Speed | 7 800 r/min |
| (Oil) Lubrication Speed | 9 200 r/min |
| a min | 3.07 mm |
| a max | 3.28 mm |
| Ca min | 4.67 mm |
| Ca max | 4.98 mm |
| rs min | 1.1 mm |
| rNs min | 0.5 mm |
| D3 max | 81.81 mm |
| b min | 1.9 mm |
| b max | 2.2 mm |
| r0 max | 0.6 mm |
| D4 max | 91.6 mm |
| Snap ring reference | R85 |
| Radial clearance class | CN |
| Mass | 0.4 kg |
| Dynamic load, C | 32.5 kN |
| Static load, C0 | 20.4 kN |
| Fatigue limit load, Cu | 0.93 kN |
| f0 | 14.1 |
| Nlim (oil) | 9,200 rpm |
| Nlim (grease) | 7,800 rpm |
| Min operating temperature, Tmin | -20 ° C |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.4 Hz |
| Characteristic rolling element frequency, BSF | 4.92 Hz |
| Characteristic outer ring | 3.62 Hz |



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| | |
|---|---|
| frequency, BPF0 | |
| Characteristic inner ring frequency, BPF1 | 5.38 Hz |
| da min | 51.5 mm |
| Da max | 78.5 mm |
| ra max | 1 mm |
| rNa max | 0.5 mm |
| Db min | 93 mm |
| Category | Single Row Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | NTN |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.4 |
| EAN | 4547359364828 |
| Product Group | B00308 |
| Enclosure | Open |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Rolling Element | Ball Bearing |
| Snap Ring | Yes |
| Internal Special Features | No |
| Cage Material | Steel |
| Internal Clearance | C0-Medium |
| Inch - Metric | Metric |
| Long Description | 45MM Bore; 85MM Outside Diameter; 19MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features |
| Category | Single Row Ball Bearing |
| UNSPSC | 31171504 |
| Harmonized Tariff Code | 8482.10.50.68 |



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| | |
|------------------------------|---|
| Noun | Bearing |
| Keyword String | Ball |
| Manufacturer URL | http://www.snrbearings.com |
| Manufacturer Item Number | 6209.NR |
| Weight / LBS | 0.881 |
| Outside Diameter | 3.346 Inch 85 Millimeter |
| Outer Race Width | 0.748 Inch 19 Millimeter |
| Bore | 1.772 Inch 45 Millimeter |
| bore diameter: | 45 mm |
| finish/coating: | Uncoated |
| outside diameter: | 85 mm |
| bearing material: | High Carbon Chrome Steel |
| overall width: | 19 mm |
| cage material: | Steel |
| bore type: | Round |
| inner ring width: | 19 mm |
| closure type: | Open |
| outer ring width: | 19 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| maximum rpm (grease): | 7800 rpm |
| snap ring included: | With Snap Ring |
| maximum rpm (oil): | 9200 rpm |
| internal clearance: | CN |
| fillet radius: | 1.1 mm |
| operating temperature range: | -40 to 120 ° C |
| maximum rpm: | 9200 RPM |
| dynamic load capacity: | 32500 N |
| series: | 62 |
| static load capacity: | 20400 N |
| manufacturer product page: | Click here |
| precision rating: | ISO Class 0 |



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