



Bearing No. 6305NR

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| f | 1,7 mm |
| d | 25 mm |
| D | 62 mm |
| B | 17 mm |
| C | 17 mm |
| a | 3,28 mm |
| b | 1,9 mm |
| f0 | 12.6 |
| Cy | 4,6 mm |
| D2 | 67,7 mm |
| D1 | 59,61 mm |
| Cz | 1,7 mm |
| rn | 0,5 mm |
| Dx | 68,5 mm |
| Noun | Bearing |
| Mass | 0.23 kg |
| Bore | 0.984 Inch 25 Millimeter |
| b max | 2.2 mm |
| a max | 3.28 mm |
| a min | 3.07 mm |
| b min | 1.9 mm |
| D4 max | 67.7 mm |
| da max | 35 mm |
| D3 max | 59.61 mm |
| da min | 31.5 mm |
| Weight | 0,232 Kg |
| r0 max | 0.6 mm |
| r min. | 1,1 mm |
| UNSPSC | 31171504 |
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| Da max | 55.5 mm |
| Db min | 68.5 mm |
| ra max | 1 mm |
| Ca min | 4.67 mm |
| Ca max | 4.98 mm |
| rs min | 1.1 mm |
| rNa max | 0.5 mm |
| rNs min | 0.5 mm |
| ra max. | 1 mm |
| r0 max. | 0,6 mm |
| Da max. | 55,5 mm |
| da min. | 31,5 mm |
| Category | Single Row Ball Bearing |
| Inventory | 0.0 |
| Size (mm) | 25x62x17 |
| Snap Ring | Yes |
| Enclosure | Open |
| Width (mm) | 17 |
| bore type: | Round |
| Nlim (oil) | 14,000 rpm |
| Weight / LBS | 0.516 |
| Product Group | B00308 |
| Nlim (grease) | 12,000 rpm |
| closure type: | Open |
| Cage Material | Steel |
| Inch - Metric | Metric |
| Other Features | Deep Groove With Snap Ring |
| overall width: | 17 mm |
| Keyword String | Ball |
| Bearing number | 6305NR |
| bore diameter: | 25 mm |
| cage material: | Steel |

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| fillet radius: | 1.1 mm |
| Precision Class | ABEC 1 ISO P0 |
| finish/coating: | Uncoated |
| Dynamic load, C | 21.2 kN |
| Rolling Element | Ball Bearing |
| Static load, C0 | 10.9 kN |
| Long Description | 25MM Bore; 62MM Outside Diameter; 17MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage |
| Outside Diameter | 2.441 Inch 62 Millimeter |
| Outer Race Width | 0.669 Inch 17 Millimeter |
| Inner Race Width | 0 Inch 0 Millimeter |
| Manufacturer URL | http://www.ntnamerica.com |
| outer ring width: | 17 mm |
| outside diameter: | 62 mm |
| precision rating: | ISO Class 0 |
| Weight / Kilogram | 0.234 |
| inner ring width: | 17 mm |
| bearing material: | High Carbon Chrome Steel |
| Manufacturer Name | NTN |
| Bore Diameter (mm) | 25 |
| Internal Clearance | C0-Medium |
| maximum rpm (oil): | 14000 rpm |
| Snap ring reference | R62 |
| Outer Diameter (mm) | 62 |

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| internal clearance: | CN |
| snap ring included: | With Snap Ring |
| Minimum Buy Quantity | N/A |
| maximum rpm (grease): | 12000 rpm |
| row type & fill slot: | Single Row Non-Fill Slot |
| static load capacity: | 10900 N |
| Fatigue limit load, Cu | 0.5 kN |
| Harmonized Tariff Code | 8482.10.50.68 |
| dynamic load capacity: | 21200 N |
| Radial clearance class | CN |
| (Oil) Lubrication Speed | 14 000 r/min |
| Manufacturer Item Number | 6305NR |
| Internal Special Features | No |
| (Grease) Lubrication Speed | 12 000 r/min |
| manufacturer product page: | Click here |
| operating temperature range: | -40 to 120 °C |
| Basic static load rating (C0) | 10,9 kN |
| Basic dynamic load rating (C) | 21,2 kN |
| Max operating temperature, Tmax | 120 °C |
| Min operating temperature, Tmin | -20 °C |
| Maximum Capacity / Filling Slot | No |
| Characteristic cage frequency, FTF | 0.37 Hz |
| Characteristic outer ring frequency, BPF0 | 2.61 Hz |
| Characteristic inner ring | 4.39 Hz |

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| frequency, BPF1 | |
| Characteristic rolling element frequency, BSF | 3.66 Hz |