

AST 51412M thrust ball bearings

AST 51412M thrust ball bearings with easy-to-use parts graphics, giving you the ability to check 25 mm d parts 9 mm B availability, pricing, examine remanufactured options.

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| d | 25 mm |
| D | 42 mm |
| B | 9 mm |
| rs min | 0.3 mm |
| Radial clearance class | C3 |
| Mass | 0.04 kg |
| Dynamic load, C | 7.05 kN |
| Static load, C ₀ | 4.55 kN |
| Fatigue limit load, C _u | 0.21 kN |
| f ₀ | 15.4 |
| N _{lim} (grease) | 9,800 rpm |
| Min operating temperature, T _{min} | -25 °C |
| Max operating temperature, T _{max} | 110 °C |
| Characteristic cage frequency, FTF | 0.43 Hz |
| Characteristic rolling element frequency, BSF | 6.89 Hz |
| Characteristic outer ring frequency, BPF ₀ | 5.58 Hz |
| Characteristic inner ring frequency, BRF ₀ | 7.42 Hz |
| da min | 27 mm |
| da max | 29 mm |

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|---------------------------------|--|
| Da max | 40 mm |
| ra max | 0.3 mm |
| Inventory | 0.0 |
| Manufacturer Name | NTN |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.043 |
| Product Group | B00308 |
| Enclosure | 2 Seals |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Rolling Element | Ball Bearing |
| Snap Ring | No |
| Internal Special Features | No |
| Cage Material | Steel |
| Enclosure Type | Contact Seal |
| Internal Clearance | C3-Loose |
| Inch – Metric | Metric |
| Long Description | 25MM Bore; 42MM Outside Diameter; 9MM Outer Race Width; 2 Seals; Ball Bearing; ABEC 1 ISO P0; No F |
| Other Features | Deep Groove Double Lip Friction Nitrile Rubber Seal -20 To 120 Deg C Prelubricated |
| UNSPSC | 31171504 |
| Harmonized Tariff Code | 8482.10.50.68 |
| Noun | Bearing |
| Keyword String | Ball |

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|------------------|----------------------------|
| Weight / LBS | 0.095 |
| Bore | 0.984 Inch 25 Millimeter |
| Inner Race Width | 0 Inch 0 Millimeter |
| Outer Race Width | 0.354 Inch 9 Millimeter |
| Outside Diameter | 1.654 Inch 42 Millimeter |