



Bearing No. 6844

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|---------------|-----------------------------|
| D | 270 mm |
| C | 24 mm |
| B | 24 mm |
| d | 220 mm |
| f0 | 16 |
| Noun | Bearing |
| Mass | 3 kg |
| Bore | 8.661 Inch 220 Millimeter |
| r min. | 1,5 mm |
| UNSPSC | 31171504 |
| Weight | 3 Kg |
| ra max | 1.5 mm |
| Da max | 262 mm |
| da min | 228 mm |
| rs min | 1.5 mm |
| db min | 228 mm |
| Da max. | 262 mm |
| ra max. | 1,5 mm |
| Category | Single Row Ball Bearing |
| Inventory | 0.0 |
| Size (mm) | 220x270x24 |
| Snap Ring | No |
| Enclosure | Open |
| Nlim (oil) | 2,400 rpm |
| Width (mm) | 24 |
| Weight / LBS | 6.504 |
| Product Group | B00308 |
| Nlim (grease) | 2,100 rpm |
| Inch - Metric | Metric |
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| Cage Material | Steel |
| Bearing number | 6844 |
| Keyword String | Ball |
| Other Features | Deep Groove |
| Dynamic load, C | 76.5 kN |
| Rolling Element | Ball Bearing |
| Precision Class | ABEC 1 ISO P0 |
| Static load, C0 | 98 kN |
| Manufacturer URL | http://www.ntnamerica.com |
| Long Description | 220MM Bore; 270MM Outside Diameter; 24MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage |
| Outside Diameter | 10.63 Inch 270 Millimeter |
| Outer Race Width | 0.945 Inch 24 Millimeter |
| Inner Race Width | 0 Inch 0 Millimeter |
| Weight / Kilogram | 6.025 |
| Manufacturer Name | NTN |
| Bore Diameter (mm) | 220 |
| Internal Clearance | C0-Medium |
| Outer Diameter (mm) | 270 |
| Minimum Buy Quantity | N/A |
| Radial clearance class | CN |
| Harmonized Tariff Code | 8482.10.50.68 |
| Fatigue limit load, Cu | 2.85 kN |
| (Oil) Lubrication Speed | 2 400 r/min |
| Manufacturer Item | 6844 |

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|---|-------------|
| Number | |
| Internal Special Features | No |
| (Grease) Lubrication Speed | 2 100 r/min |
| Basic static load rating (C0) | 98 kN |
| Basic dynamic load rating (C) | 76,5 kN |
| Max operating temperature, Tmax | 120 °C |
| Min operating temperature, Tmin | -20 °C |
| Maximum Capacity / Filling Slot | No |
| Characteristic cage frequency, FTF | 0.47 Hz |
| Characteristic outer ring frequency, BPF0 | 12.67 Hz |
| Characteristic inner ring frequency, BRFI | 14.33 Hz |
| Characteristic rolling element frequency, BSF | 16.18 Hz |