



Bearing No. 6836

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|---------------|-----------------------------|
| D | 225 mm |
| d | 180 mm |
| B | 22 mm |
| C | 22 mm |
| f0 | 16.1 |
| Noun | Bearing |
| Bore | 7.087 Inch 180 Millimeter |
| Mass | 2.03 kg |
| Da max | 218.5 mm |
| UNSPSC | 31171504 |
| rs min | 1.1 mm |
| da min | 186.5 mm |
| db min | 186,5 mm |
| Weight | 2,03 Kg |
| r min. | 1,1 mm |
| ra max | 1 mm |
| ra max. | 1 mm |
| Da max. | 218,5 mm |
| series: | 68 |
| Category | Single Row Ball Bearing |
| Size (mm) | 180x225x22 |
| Snap Ring | No |
| Enclosure | Open |
| Inventory | 0.0 |
| bore type: | Round |
| Nlim (oil) | 3,000 rpm |
| Width (mm) | 22 |
| Weight / LBS | 4.332 |
| Nlim (grease) | 2,600 rpm |
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| Product Group | B00308 |
| Inch - Metric | Metric |
| Cage Material | Steel |
| closure type: | Open |
| Keyword String | Ball |
| overall width: | 22 mm |
| cage material: | Brass |
| fillet radius: | 1.1 mm |
| bore diameter: | 180 mm |
| Bearing number | 6836 |
| Dynamic load, C | 60.5 kN |
| Static load, C0 | 73 kN |
| Precision Class | ABEC 1 ISO P0 |
| Rolling Element | Ball Bearing |
| finish/coating: | Uncoated |
| Long Description | 180MM Bore; 225MM Outside Diameter; 22MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Outer Race Width | 0.866 Inch 22 Millimeter |
| Manufacturer URL | http://www.ntnamerica.com |
| Outside Diameter | 8.858 Inch 225 Millimeter |
| Weight / Kilogram | 1.97 |
| inner ring width: | 22 mm |
| bearing material: | High Carbon Chrome Steel |
| outside diameter: | 225 mm |
| precision rating: | Class 0 |
| Manufacturer Name | NTN |

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|---------------------------------|----------------------------|
| outer ring width: | 22 mm |
| Internal Clearance | C0-Medium |
| maximum rpm (oil): | 3000 rpm |
| Bore Diameter (mm) | 180 |
| snap ring included: | Without Snap Ring |
| internal clearance: | CN |
| Outer Diameter (mm) | 225 |
| Minimum Buy Quantity | N/A |
| row type & fill slot: | Single Row Non-Fill Slot |
| static load capacity: | 73000 N |
| maximum rpm (grease): | 2600 rpm |
| Radial clearance class | CN |
| Fatigue limit load, Cu | 2.33 kN |
| Harmonized Tariff Code | 8482.10.50.68 |
| dynamic load capacity: | 60500 N |
| (Oil) Lubrication Speed | 3 000 r/min |
| Manufacturer Item Number | 6836 |
| Internal Special Features | No |
| manufacturer product page: | Click here |
| (Grease) Lubrication Speed | 2 600 r/min |
| operating temperature range: | -40 to 120 °C |
| Basic dynamic load rating (C) | 60,5 kN |
| Basic static load rating (C0) | 73 kN |
| Max operating temperature, Tmax | 120 °C |
| Maximum Capacity / Filling Slot | No |
| Min operating | -20 °C |

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|---|----------|
| temperature, T_{min} | |
| Characteristic cage frequency, FTF | 0.47 Hz |
| Characteristic outer ring frequency, BPF0 | 11.67 Hz |
| Characteristic inner ring frequency, BRFI | 13.33 Hz |
| Characteristic rolling element frequency, BSF | 14.94 Hz |