



Bearing No. 7010

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| B | 16 mm |
| a | 27 mm |
| C | 16 mm |
| d | 50 mm |
| D | 80 mm |
| Mass | 0.31 kg |
| Noun | Bearing |
| Bore | 1.969 Inch 50 Millimeter |
| Width | 0.63 Inch 16 Millimeter |
| db min | 55,5 mm |
| da min | 55.5 mm |
| Db max | 75.5 mm |
| rs min | 1 mm |
| ra max | 1 mm |
| UNSPSC | 31171531 |
| Weight | 0,306 Kg |
| Da max | 74.5 mm |
| r min. | 1 mm |
| ra max. | 1 mm |
| weight: | 0.299 kg |
| da min. | 55,5 mm |
| r1 min. | 0,6 mm |
| r1a max | 0.6 mm |
| r1s min | 0.6 mm |
| series: | 70 |
| Category | Angular Contact Ball Bearing |
| Snap Ring | No |
| Inventory | 0.0 |
| Size (mm) | 50x80x16 |

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| Enclosure | Open |
| Nlim (oil) | 11,000 rpm |
| Width (mm) | 16 |
| bore type: | Round |
| maximum rpm: | 11000 rpm |
| Flush Ground | No |
| Nlim (grease) | 8,600 rpm |
| Cage Material | Steel |
| Contact Angle | 30 Degree |
| closure type: | Open |
| Product Group | B00308 |
| Inch - Metric | Metric |
| Keyword String | Angular Contact |
| cage material: | Nylon |
| overall width: | 16 mm |
| fillet radius: | 1 mm |
| bore diameter: | 50 mm |
| contact angle: | 30 ° |
| Bearing number | 7010 |
| Rolling Element | Ball Bearing |
| finish/coating: | Uncoated |
| Dynamic load, C | 23.7 kN |
| Static load, C0 | 20.1 kN |
| Angle (?) | 25 ° |
| Precision Class | ABEC 1 ISO P0 |
| Outside Diameter | 3.15 Inch 80 Millimeter |
| Long Description | 50MM Bore; 80MM Outside Diameter; 16MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 30 Degree; 1 |

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| | (Single) |
| Contact angle ? | 30 ° |
| Manufacturer URL | http://www.ntnamerica.com |
| outer ring width: | 16 mm |
| bearing material: | High Carbon Chrome Steel |
| outside diameter: | 80 mm |
| Manufacturer Name | NTN |
| precision rating: | ISO Class 0 |
| Weight / Kilogram | 0.299 |
| Internal Clearance | C0-Medium |
| Number of Bearings | 1 (Single) |
| Bore Diameter (mm) | 50 |
| snap ring included: | Without Snap Ring |
| Outer Diameter (mm) | 80 |
| internal clearance: | C0 |
| Minimum Buy Quantity | N/A |
| row type & fill slot: | Single-Row Non-Fill Slot |
| Fatigue limit load, Cu | 0.91 kN |
| Harmonized Tariff Code | 8482.10.50.28 |
| Number of Rows of Balls | Single Row |
| Manufacturer Item Number | 7010 |
| manufacturer product page: | Click here |
| (Grease) Lubrication Speed | 8 600 r/min |
| operating temperature range: | -40 to 120 °C |
| radial static load capacity: | 20100 N |
| Basic static load rating (C0) | 20,1 kN |
| Basic dynamic load | 23,7 kN |

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|---|---------|
| rating (C) | |
| radial dynamic load capacity: | 23700 N |
| Min operating temperature, Tmin | -20 °C |
| Max operating temperature, Tmax | 120 °C |
| Maximum Capacity / Filling Slot | No |
| Characteristic cage frequency, FTF | 0.44 Hz |
| Characteristic outer ring frequency, BPF0 | 8.4 Hz |
| Characteristic inner ring frequency, BRFI | 10.6 Hz |
| Characteristic rolling element frequency, BSF | 7.35 Hz |