



NTN-SNR BEARING RULMENTI S.R.L.



7309BG Bearing 2D drawings and 3D CAD models

45,000 mm x 100,000 mm x 25,000 mm NTN
7309BG Single row or matched pairs of angular
contact ball bearings

Bearing No. 7309BG

| | |
|---------------------------------------|--------------|
| Size | 45x100x25 mm |
| Bore Diameter | 45,000 mm |
| Outer Diameter | 100,000 mm |
| Width | 25,000 mm |
| d | 45,000 mm |
| D | 100,000 mm |
| B | 25,000 mm |
| C | 25,000 mm |
| a | 43 mm |
| Contact angle | 40 ° |
| rs min | 1.5 mm |
| r1s min | 1 mm |
| Radial clearance class | CN |
| Mass | 0.85 kg |
| Dynamic load, C | 58.5 kN |
| Static load, C0 | 40 kN |
| Fatigue limit load, Cu | 1.82 kN |
| Nlim (oil) | 8,900 rpm |
| Nlim (grease) | 6,600 rpm |
| Min operating temperature, Tmin | -40 ° C |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.41 Hz |
| Characteristic rolling | 4.1 Hz |



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| element frequency, BSF | |
| Characteristic outer ring frequency, BPF0 | 4.92 Hz |
| Characteristic inner ring frequency, BPF1 | 7.08 Hz |
| da min | 53.5 mm |
| db min | 50.5 mm |
| Da max | 91.5 mm |
| Db max | 94.5 mm |
| r1a max | 1 mm |
| ra max | 1.5 mm |
| Category | Angular Contact Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | NTN |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.847 |
| EAN | 4547359450293 |
| Product Group | B00308 |
| Enclosure | Open |
| Flush Ground | Yes |
| Rolling Element | Ball Bearing |
| Number of Rows of Balls | Single Row |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Snap Ring | No |
| Cage Material | Steel |
| Contact Angle | 40 Degree |
| Internal Clearance | C0-Medium |
| Number of Bearings | 1 (Single) |
| Mounting Arrangement | Universal |
| Inch - Metric | Metric |
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NTN-SNR BEARING RULMENTI S.R.L.

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| Long Description | 45MM Bore; 100MM Outside Diameter; 25MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring |
| Category | Angular Contact Ball Bearing |
| UNSPSC | 31171531 |
| Harmonized Tariff Code | 8482.10.50.28 |
| Noun | Bearing |
| Keyword String | Angular Contact |
| Manufacturer URL | http://www.ntnamerica.com |
| Manufacturer Item Number | 7309BG |
| Weight / LBS | 1.872 |
| Outside Diameter | 3.937 Inch 100 Millimeter |
| Width | 0.984 Inch 25 Millimeter |
| Bore | 1.772 Inch 45 Millimeter |
| bore diameter: | 45 mm |
| radial static load capacity: | 40000 N |
| outside diameter: | 100 mm |
| operating temperature range: | -40 to 120 ° C |
| overall width: | 25 mm |
| cage material: | Steel |
| contact angle: | 40 ° |
| outer ring width: | 25 mm |
| row type & fill slot: | Single-Row Non-Fill Slot |
| maximum rpm: | 8900 rpm |
| internal clearance: | C0 |
| finish/coating: | Uncoated |
| bore type: | Round |
| precision rating: | ISO Class 0 |



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|-------------------------------|----------------------------|
| closure type: | Open |
| fillet radius: | 1.5 mm |
| snap ring included: | Without Snap Ring |
| series: | 73B |
| bearing material: | High Carbon Chrome Steel |
| weight: | 0.847 kg |
| radial dynamic load capacity: | 58500 N |
| manufacturer product page: | Click here |