



## Double BALL BEARINGS CO, LTD



7207BG Bearing 2D drawings and 3D CAD models

35,000 mm x 72,000 mm x 17,000 mm NTN  
7207BG angular contact ball bearings

Bearing No. 7207BG

|                                 |             |
|---------------------------------|-------------|
| Size                            | 35x72x17 mm |
| Bore Diameter                   | 35,000 mm   |
| Outer Diameter                  | 72,000 mm   |
| Width                           | 17,000 mm   |
| d                               | 35,000 mm   |
| D                               | 72,000 mm   |
| B                               | 17,000 mm   |
| C                               | 17,000 mm   |
| a                               | 31 mm       |
| Contact angle                   | 40 °        |
| rs min                          | 1.1 mm      |
| r1s min                         | 0.6 mm      |
| Radial clearance class          | CN          |
| Mass                            | 0.29 kg     |
| Dynamic load, C                 | 27.1 kN     |
| Static load, C0                 | 18.4 kN     |
| Fatigue limit load, Cu          | 0.84 kN     |
| Nlim (oil)                      | 12,000 rpm  |
| Nlim (grease)                   | 9,300 rpm   |
| Min operating temperature, Tmin | -40 ° C     |
| Max operating temperature, Tmax | 120 ° C     |
| da min                          | 42 mm       |
| db min                          | 39.5 mm     |
| Da max                          | 65 mm       |
|                                 |             |



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|                                 |   |
|---------------------------------|---|
| Db max                          | 67.5 mm   |
| r1a max                         | 0.6 mm  |
| ra max                          | 1 mm  |
| Category                        | Angular Contact Ball Bearings   |
| Inventory                       | 0.0   |
| Manufacturer Name               | NTN   |
| Minimum Buy Quantity            | N/A   |
| Weight / Kilogram               | 0.289   |
| 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  |
| Long Description                | 35MM Bore; 72MM Outside Diameter; 17MM 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   |



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| Noun                          | Bearing   |
|-------------------------------|---|
| Keyword String                | Angular Contact   |
| Manufacturer URL              | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a> |
| Manufacturer Item Number      | 7207BG  |
| Weight / LBS                  | 0.639   |
| Outside Diameter              | 2.835 Inch   72 Millimeter  |
| Bore                          | 1.378 Inch   35 Millimeter  |
| Width                         | 0.669 Inch   17 Millimeter  |
| bore diameter:                | 35 mm   |
| radial static load capacity:  | 18400 N   |
| outside diameter:             | 72 mm   |
| operating temperature range:  | -40 to 120 ° C  |
| overall width:                | 17 mm   |
| cage material:                | Steel   |
| contact angle:                | 40 °  |
| outer ring width:             | 17 mm   |
| row type & fill slot:         | Single-Row Non-Fill Slot  |
| maximum rpm:                  | 12000 rpm   |
| internal clearance:           | C0  |
| finish/coating:               | Uncoated  |
| bore type:                    | Round   |
| precision rating:             | ISO Class 0   |
| closure type:                 | Open  |
| fillet radius:                | 1.1 mm  |
| snap ring included:           | Without Snap Ring   |
| series:                       | 72B   |
| bearing material:             | High Carbon Chrome Steel  |
| weight:                       | 0.289 kg  |
| radial dynamic load capacity: | 27100 N   |
| manufacturer product page:    | <a href="#">Click here</a>  |



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