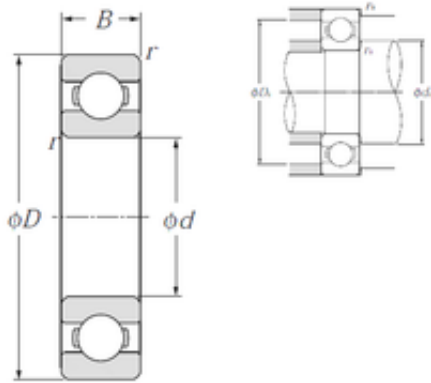




# PRECISION AXLE CORP.OF AMERICAN

12 mm x 28 mm x 8 mm NTN 6001 deep groove ball bearings



Bearing No. 6001

6001 Bearing 2D drawings and 3D CAD models

|                               |              |
|-------------------------------|--------------|
| Size                          | 12x28x8 mm   |
| Bore Diameter                 | 12 mm        |
| Outer Diameter                | 28 mm        |
| Width                         | 8 mm         |
| d                             | 12 mm        |
| D                             | 28 mm        |
| B                             | 8 mm         |
| C                             | 8 mm         |
| r min.                        | 0,3 mm       |
| da min.                       | 14 mm        |
| da max                        | 16 mm        |
| Da max.                       | 26 mm        |
| ra max.                       | 0,3 mm       |
| Weight                        | 0,021 Kg     |
| Basic dynamic load rating (C) | 5,1 kN       |
| Basic static load rating (C0) | 2,39 kN      |
| (Grease) Lubrication Speed    | 26 000 r/min |
| (Oil) Lubrication Speed       | 30 000 r/min |
| rs min                        | 0.3 mm       |
| Radial clearance class        | CN           |
| Mass                          | 0.02 kg      |
| Dynamic load, C               | 5.1 kN       |
| Static load, C0               | 2.39 kN      |
| Fatigue limit load, Cu        | 0.11 kN      |
| f0                            | 13.2         |



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|   |                          |
|---|--------------------------|
| Nlim (oil)                                    | 30,000 rpm               |
| Nlim (grease)                                 | 26,000 rpm               |
| Min operating temperature, Tmin               | -20 ° C                  |
| Max operating temperature, Tmax               | 120 ° C                  |
| Characteristic cage frequency, FTF            | 0.38 Hz                  |
| Characteristic rolling element frequency, BSF | 4.07 Hz                  |
| Characteristic outer ring frequency, BPF0     | 3.07 Hz                  |
| Characteristic inner ring frequency, BPF1     | 4.93 Hz                  |
| da min  | 14 mm                    |
| Da max  | 26 mm                    |
| ra max  | 0.3 mm                   |
| Category                                      | Single Row Ball Bearings |
| Inventory                                     | 0.0                      |
| Manufacturer Name                             | NTN                      |
| Minimum Buy Quantity                          | N/A                      |
| Weight / Kilogram                             | 0.021                    |
| EAN   | 4547359315011            |
| Product Group                                 | B00308                   |
| Enclosure                                     | Open                     |
| Precision Class                               | ABEC 1   ISO P0          |
| Maximum Capacity / Filling Slot               | No                       |
| Rolling Element                               | Ball Bearing             |
| Snap Ring                                     | No                       |
| Internal Special Features                     | No                       |
| Cage Material                                 | Steel                    |
| Internal Clearance                            | C0-Medium                |
| Inch - Metric                                 | Metric                   |
|   |                          |



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|                          |   |
|--------------------------|---|
| Long Description         | 12MM Bore; 28MM Outside Diameter; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Category                 | Single Row Ball Bearing   |
| UNSPSC                   | 31171504  |
| Harmonized Tariff Code   | 8482.10.50.68   |
| Noun                     | Bearing   |
| Keyword String           | Ball  |
| Manufacturer URL         | <a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>   |
| Manufacturer Item Number | 6001CM  |
| Weight / LBS             | 0.046   |
| Outside Diameter         | 1.102 Inch   28 Millimeter  |
| Bore                     | 0.472 Inch   12 Millimeter  |
| Outer Race Width         | 0.315 Inch   8 Millimeter   |
| bore diameter:           | 12 mm   |
| precision rating:        | Class 0   |
| outside diameter:        | 28 mm   |
| finish/coating:          | Uncoated  |
| overall width:           | 8 mm  |
| bearing material:        | High Carbon Chrome Steel  |
| bore type:               | Round   |
| cage material:           | Steel   |
| closure type:            | Open  |
| inner ring width:        | 8 mm  |
| row type & fill slot:    | Single Row Non-Fill Slot  |
| outer ring width:        | 8 mm  |
| snap ring included:      | Without Snap Ring   |
| maximum rpm (grease):    | 26000 rpm   |
| internal clearance:      | CN  |
|                          |   |



## PRECISION AXLE CORP.OF AMERICAN

|                              |                            |
|------------------------------|----------------------------|
| maximum rpm (oil):           | 30000 rpm                  |
| operating temperature range: | -40 to 120 ° C             |
| fillet radius:               | 0.3 mm                     |
| dynamic load capacity:       | 5100 N                     |
| manufacturer product page:   | <a href="#">Click here</a> |
| static load capacity:        | 2390 N                     |