



## Hangzhou Bru Bearing Import&Export Co...

120 mm x 180 mm x 19 mm NTN 16024 deep groove ball bearings



Bearing No. 16024

16024 Bearing 2D drawings and 3D CAD models

|                               |               |
|-------------------------------|---------------|
| Size                          | 120x180x19 mm |
| Bore Diameter                 | 120 mm        |
| Outer Diameter                | 180 mm        |
| Width                         | 19 mm         |
| d                             | 120 mm        |
| D                             | 180 mm        |
| B                             | 19 mm         |
| C                             | 19 mm         |
| r min.                        | 1 mm          |
| da min.                       | 125 mm        |
| Da max.                       | 175 mm        |
| ra max.                       | 1 mm          |
| Weight                        | 1,56 Kg       |
| Basic dynamic load rating (C) | 63 kN         |
| Basic static load rating (C0) | 63,5 kN       |
| (Grease) Lubrication Speed    | 3 500 r/min   |
| (Oil) Lubrication Speed       | 4 100 r/min   |
| rs min                        | 1 mm          |
| Radial clearance class        | CN            |
| Mass                          | 1.56 kg       |
| Dynamic load, C               | 63 kN         |
| Static load, C0               | 63.5 kN       |
| Fatigue limit load, Cu        | 2.36 kN       |
| f0                            | 16.4          |
| Nlim (oil)                    | 4,100 rpm     |



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|                                               |                                          |
|-----------------------------------------------|------------------------------------------|
| Nlim (grease)                                 | 3,500 rpm                                |
| Min operating temperature, Tmin               | -20 ° C                                  |
| Max operating temperature, Tmax               | 120 ° C                                  |
| Characteristic cage frequency, FTF            | 0.45 Hz                                  |
| Characteristic rolling element frequency, BSF | 9.85 Hz                                  |
| Characteristic outer ring frequency, BPF0     | 7.64 Hz                                  |
| Characteristic inner ring frequency, BRFI     | 9.36 Hz                                  |
| da min                                        | 125 mm                                   |
| Da max                                        | 175 mm                                   |
| ra max                                        | 1 mm                                     |
| Category                                      | Single Row Ball Bearings                 |
| Inventory                                     | 0.0                                      |
| Manufacturer Name                             | NTN                                      |
| Minimum Buy Quantity                          | N/A                                      |
| Weight / Kilogram                             | 1.59                                     |
| EAN                                           | 4547359258585                            |
| 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                                   |
| Long Description                              | 120MM Bore; 180MM Outside Diameter; 19MM |



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|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                          | 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 | 16024                                                                                                                 |
| Weight / LBS             | 3.492                                                                                                                 |
| Outer Race Width         | 0.748 Inch   19 Millimeter                                                                                            |
| Bore                     | 4.724 Inch   120 Millimeter                                                                                           |
| Outside Diameter         | 7.087 Inch   180 Millimeter                                                                                           |
| bore diameter:           | 120 mm                                                                                                                |
| precision rating:        | Class 0                                                                                                               |
| outside diameter:        | 180 mm                                                                                                                |
| finish/coating:          | Uncoated                                                                                                              |
| overall width:           | 19 mm                                                                                                                 |
| bearing material:        | High Carbon Chrome Steel                                                                                              |
| bore type:               | Round                                                                                                                 |
| cage material:           | Steel                                                                                                                 |
| closure type:            | Open                                                                                                                  |
| inner ring width:        | 19 mm                                                                                                                 |
| row type & fill slot:    | Single Row Non-Fill Slot                                                                                              |
| outer ring width:        | 19 mm                                                                                                                 |
| snap ring included:      | Without Snap Ring                                                                                                     |
| maximum rpm (grease):    | 3500 rpm                                                                                                              |
| internal clearance:      | CN                                                                                                                    |
| maximum rpm (oil):       | 4100 rpm                                                                                                              |
| operating temperature    | -40 to 120 ° C                                                                                                        |



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|                            |                            |
|----------------------------|----------------------------|
| range:                     |                            |
| fillet radius:             | 1 mm                       |
| dynamic load capacity:     | 63000 N                    |
| manufacturer product page: | <a href="#">Click here</a> |
| static load capacity:      | 63500 N                    |