

# 16024 NSK 120x180x19mm Product Group – BDI B00308 Deep groove ball bearings

|                                 |   |
|---------------------------------|---|
| Bearing number                  | 16024   |
| Size (mm)                       | 120x180x19  |
| Brand                           | NSK   |
| Bore diameter (mm)              | 120   |
| Outer diameter (mm)             | 180   |
| Width (mm)                      | 19  |
| 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                          | 1.6 Kg  |
| Basic dynamic load rating (C)   | 56.5 kN   |
| Basic static load rating (C0)   | 57.5 kN   |
| (Gross) Lubrication Speed       | 3 600 r/min   |
| (Oil) Lubrication Speed         | 4 300 r/min   |
| Category                        | Single Row Ball Bearings  |
| BDI Inventory                   | 0.9   |
| Manufacturer Name               | NSK   |
| Minimum Buy Quantity            | N/A   |
| Weight / Kilogram               | 1.57  |
| EAN                             | 0629176887622   |
| Product Group – BDI             | 800308  |
| 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 Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features  |
| Category – BDI                  | Single Row Ball Bearing   |
| UNSPSC                          | 31171504  |
| Harmonized Tariff Code          | 8482.10.50.60   |
| Non-Keyword String              | Bearing   |
| Manufacturer URL                | <a href="http://www.nskamericas.com">http://www.nskamericas.com</a>   |
| Weight / LBS                    | 3.461   |
| Outside Diameter                | 7.887 Inch   180 Millimeter   |
| Bore                            | 4.724 Inch   120 Millimeter   |
| Outer Race Width                | 0.748 Inch   19 Millimeter  |
| Bore diameter:                  | 120 mm  |
| closure type:                   | Open  |
| outside diameter:               | 180 mm  |
| internal clearances:            | Normal Clearance  |
| overall width:                  | 19 mm   |
| manufacturer upc number:        | 029176887622  |
| bore type:                      | Rounds  |
| SK                              | 7.89  |
| SKT001                          | 16024   |
| LangID                          | 1   |
| D                               | 180   |
| SREX                            | 0.63  |
| g                               | 19  |
| CAD                             | <a href="https://service.web2cad.co.jp/pcon/maker_login.php?Maker=NSK_R&amp;language=sk&amp;info=nsk_rb/roller_bearings/deep_groove_bb/single_row_dgb0/open_type_asmtab.prj&amp;vartst=STAN-1..(ORDER=16024).(ID=1203).(D=180).(B=19).(R=1.0).(CR1=56500).(COR1=57500).(FO=16.5).(LG=3600).(LD=4300).(DM1=125.0).(DA3=0.8).(DA2=175.0).(RA=1.0).(PM55=1.600">https://service.web2cad.co.jp/pcon/maker_login.php?Maker=NSK_R&amp;language=sk&amp;info=nsk_rb/roller_bearings/deep_groove_bb/single_row_dgb0/open_type_asmtab.prj&amp;vartst=STAN-1..(ORDER=16024).(ID=1203).(D=180).(B=19).(R=1.0).(CR1=56500).(COR1=57500).(FO=16.5).(LG=3600).(LD=4300).(DM1=125.0).(DA3=0.8).(DA2=175.0).(RA=1.0).(PM55=1.600</a> |
| hidTable                        | ecat_MSRDGB   |
| oil rpm                         | 4300  |
| SH                              | 7.39  |
| mass                            | 1.6   |
| GRS rpm                         | 3600  |
| ra                              | 1   |
| SKZ                             | 0.63  |
| D_a                             | 175   |
| SKLN                            | -0.03   |
| CB                              | 57.5  |
| Ta                              | 16.5  |
| SREN                            | -0.03   |
| DE_                             | 164.288   |
| Prod_Type3                      | DGBB_SH_OT  |
| DA_                             | 14.288  |
| homp                            | 0   |
| Z                               | 17  |
| y01                             | 16024   |
| C_conv                          | 56500   |
| ALPH                            | 0   |
| SOM                             | 150   |
| r                               | 1   |
| KBRG                            | 6101  |
| SBRG                            | 0   |
| DE                              | 135.712   |
| calc01                          | /bearingGuide/html/calculation.jsp  |