



# HFD Bearing Develop Co.,Ltd



## NSK 6003 ddu Bearing

Bearing No. 6003 ddu

|                               |                          |
|-------------------------------|--------------------------|
| Size                          | 17x35x10 mm              |
| Bore Diameter                 | 17 mm                    |
| Outer Diameter                | 35 mm                    |
| Width                         | 10 mm                    |
| d                             | 17 mm                    |
| D                             | 35 mm                    |
| B                             | 10 mm                    |
| C                             | 10 mm                    |
| r min.                        | 0,3 mm                   |
| da min.                       | 19 mm                    |
| da max                        | 21,5 mm                  |
| Da max.                       | 33 mm                    |
| ra max.                       | 0,3 mm                   |
| Weight                        | 0,041 Kg                 |
| Basic dynamic load rating (C) | 6 kN                     |
| Basic static load rating (C0) | 3,25 kN                  |
| (Grease) Lubrication Speed    | 13 000 r/min             |
| Category                      | Single Row Ball Bearings |
| Inventory                     | 0.0                      |
| Manufacturer Name             | NSK                      |
| Minimum Buy Quantity          | N/A                      |
| Weight / Kilogram             | 0.039                    |
| EAN                           | 0029176062759            |
| Product Group                 | B00308                   |
| Enclosure                     | 2 Seals                  |
| Precision Class               | ABEC 1   ISO P0          |

6003 ddu Bearing 2D drawings and 3D CAD models



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|                                 |                                                                                                                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Capacity / Filling Slot | No                                                                                                                                                                                                      |
| Rolling Element                 | Ball Bearing                                                                                                                                                                                            |
| Snap Ring                       | No                                                                                                                                                                                                      |
| Internal Special Features       | No                                                                                                                                                                                                      |
| Cage Material                   | Steel                                                                                                                                                                                                   |
| Enclosure Type                  | Contact Seal                                                                                                                                                                                            |
| Internal Clearance              | C0-Medium                                                                                                                                                                                               |
| Inch - Metric                   | Metric                                                                                                                                                                                                  |
| Long Description                | 17MM Bore; 35MM Outside Diameter; 10MM Outer Race Width; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage; |
| Other Features                  | Deep Groove   Rubber Seal                                                                                                                                                                               |
| 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.nskamericas.com">http://www.nskamericas.com</a>                                                                                                                                     |
| Weight / LBS                    | 0.0904                                                                                                                                                                                                  |
| Outside Diameter                | 1.378 Inch   35 Millimeter                                                                                                                                                                              |
| Bore                            | 0.669 Inch   17 Millimeter                                                                                                                                                                              |
| Inner Race Width                | 0 Inch   0 Millimeter                                                                                                                                                                                   |
| Outer Race Width                | 0.394 Inch   10 Millimeter                                                                                                                                                                              |
| SRI                             | 2.46                                                                                                                                                                                                    |
| hidYobi                         | 6003DDU                                                                                                                                                                                                 |
| LangID                          | 1                                                                                                                                                                                                       |
| D_                              | 35                                                                                                                                                                                                      |
|                                 |                                                                                                                                                                                                         |



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|            |             |
|------------|-------------|
| SREX       | 0.03        |
| B_         | 10          |
| da min     | 19          |
| hidTable   | ecat_NSRDGB |
| SRE        | 2.52        |
| mass       | 0.041       |
| GRS rpm    | 13000       |
| ra         | 0.3         |
| SRIX       | 0.015       |
| D_a        | 33          |
| SRIN       | -0.015      |
| C0         | 3.25        |
| fo         | 14.4        |
| SREN       | 0           |
| DE_        | 30.762      |
| Prod_Type3 | DGBB_SR_DD  |
| DA_        | 4.762       |
| bomp       | 0           |
| Z_         | 10          |
| yobi       | 6003DDU     |
| C_conv     | 6000        |
| ALPHA_     | 0           |
| SDM_       | 26          |
| r          | 0.3         |
| KBRG       | 6161        |
| SBRG       | 10          |
| DI_        | 21.238      |