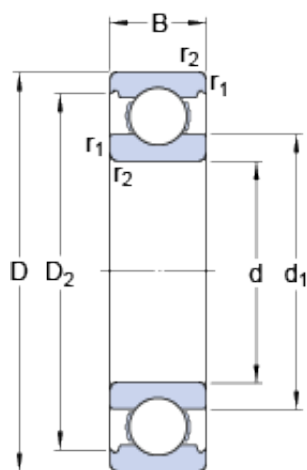




Bearing No. 6005

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| D                | 47 mm                                                                  |
| d                | 25 mm                                                                  |
| B                | 12 mm                                                                  |
| Bore             | 0.984 Inch   25 Millimeter                                             |
| Noun             | Bearing                                                                |
| UNSPSC           | 31171504                                                               |
| Category         | Single Row Ball Bearing                                                |
| Inventory        | 0.0                                                                    |
| Enclosure        | Open                                                                   |
| Size (mm)        | 47x25x12                                                               |
| Snap Ring        | No                                                                     |
| Width (mm)       | 12                                                                     |
| Mass bearing     | 0.078 kg                                                               |
| Weight / LBS     | 0.18                                                                   |
| Inch - Metric    | Metric                                                                 |
| Cage Material    | Steel                                                                  |
| D <sub>2</sub>   | 42.2 mm                                                                |
| d <sub>1</sub>   | 32 mm                                                                  |
| Product Group    | B00308                                                                 |
| Keyword String   | Ball                                                                   |
| Bearing number   | 6005                                                                   |
| Limiting speed   | 20000 r/min                                                            |
| Reference speed  | 32000 r/min                                                            |
| Rolling Element  | Ball Bearing                                                           |
| Precision Class  | ABEC 1   ISO P0                                                        |
| Manufacturer URL | <a href="http://www.skf.com">http://www.skf.com</a>                    |
| Long Description | 25MM Bore; 47MM Outside Diameter; 12MM Outer Race Diameter; Open; Ball |

|                                   |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
|                                   | Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Outside Diameter                  | 1.85 Inch   47 Millimeter                                                             |
| Outer Race Width                  | 0.472 Inch   12 Millimeter                                                            |
| Weight / Kilogram                 | 0.083                                                                                 |
| Manufacturer Name                 | SKF                                                                                   |
| D <sub>a</sub> max.               | 43.8 mm                                                                               |
| r <sub>a</sub> max.               | 0.6 mm                                                                                |
| Bore Diameter (mm)                | 47                                                                                    |
| Internal Clearance                | C0-Medium                                                                             |
| d <sub>a</sub> min.               | 28.2 mm                                                                               |
| Outer Diameter (mm)               | 25                                                                                    |
| r <sub>1,2</sub> min.             | 0.6 mm                                                                                |
| r <sub>a</sub> - max.             | 0.6 mm                                                                                |
| d <sub>a</sub> - min.             | 28.2 mm                                                                               |
| D <sub>a</sub> - max.             | 43.8 mm                                                                               |
| Minimum Buy Quantity              | N/A                                                                                   |
| d <sub>1</sub> ?                  | 32 mm                                                                                 |
| D <sub>2</sub> ?                  | 42.2 mm                                                                               |
| Harmonized Tariff Code            | 8482.10.50.68                                                                         |
| r <sub>1,2</sub> - min.           | 0.6 mm                                                                                |
| Manufacturer Item Number          | 6005                                                                                  |
| Internal Special Features         | No                                                                                    |
| Basic dynamic load rating C       | 11.9 kN                                                                               |
| Basic dynamic load rating - C     | 11.9 kN                                                                               |
| Maximum Capacity / Filling Slot   | No                                                                                    |
| Fatigue load limit P <sub>u</sub> | 0.275 kN                                                                              |

|                                     |          |
|-------------------------------------|----------|
| Calculation factor $k_r$            | 0.025    |
| Calculation factor $f_0$            | 14       |
| Calculation factor - $k_r$          | 0.025    |
| Fatigue load limit - $P_u$          | 0.275 kN |
| Calculation factor - $f_0$          | 14       |
| Basic static load rating<br>$C_0$   | 6.55 kN  |
| Basic static load rating -<br>$C_0$ | 6.6 kN   |