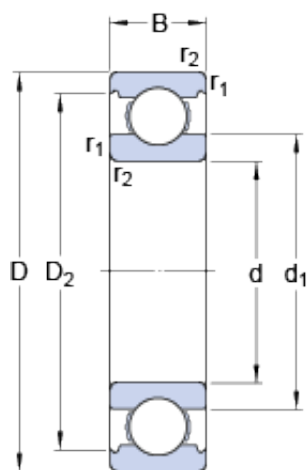




Bearing No. 6011

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| D                | 90 mm                                                                  |
| d                | 55 mm                                                                  |
| B                | 18 mm                                                                  |
| Bore             | 2.165 Inch   55 Millimeter                                             |
| Noun             | Bearing                                                                |
| UNSPSC           | 31171504                                                               |
| Category         | Single Row Ball Bearing                                                |
| Inventory        | 0.0                                                                    |
| Enclosure        | Open                                                                   |
| Size (mm)        | 90x55x18                                                               |
| Snap Ring        | No                                                                     |
| Width (mm)       | 18                                                                     |
| Mass bearing     | 0.38 kg                                                                |
| Weight / LBS     | 0.86                                                                   |
| Inch - Metric    | Metric                                                                 |
| Cage Material    | Steel                                                                  |
| D <sub>2</sub>   | 81.5 mm                                                                |
| d <sub>1</sub>   | 66.3 mm                                                                |
| Product Group    | B00308                                                                 |
| Keyword String   | Ball                                                                   |
| Bearing number   | 6011                                                                   |
| Limiting speed   | 10000 r/min                                                            |
| Precision Class  | ABEC 1   ISO P0                                                        |
| Rolling Element  | Ball Bearing                                                           |
| Reference speed  | 16000 r/min                                                            |
| Manufacturer URL | <a href="http://www.skf.com">http://www.skf.com</a>                    |
| Long Description | 55MM Bore; 90MM Outside Diameter; 18MM Outer Race Diameter; Open; Ball |

|                                 |                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------|
|                                 | Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Outside Diameter                | 3.543 Inch   90 Millimeter                                                            |
| Outer Race Width                | 0.709 Inch   18 Millimeter                                                            |
| Weight / Kilogram               | 0.39                                                                                  |
| Manufacturer Name               | SKF                                                                                   |
| D <sub>a</sub> max.             | 84 mm                                                                                 |
| r <sub>a</sub> max.             | 1 mm                                                                                  |
| Bore Diameter (mm)              | 90                                                                                    |
| Internal Clearance              | C0-Medium                                                                             |
| d <sub>a</sub> min.             | 61 mm                                                                                 |
| Outer Diameter (mm)             | 55                                                                                    |
| r <sub>1,2</sub> min.           | 1.1 mm                                                                                |
| r <sub>a</sub> - max.           | 1 mm                                                                                  |
| d <sub>a</sub> - min.           | 61 mm                                                                                 |
| D <sub>a</sub> - max.           | 84 mm                                                                                 |
| Minimum Buy Quantity            | N/A                                                                                   |
| d <sub>1</sub> ?                | 66.3 mm                                                                               |
| D <sub>2</sub> ?                | 81.5 mm                                                                               |
| Harmonized Tariff Code          | 8482.10.50.68                                                                         |
| r <sub>1,2</sub> - min.         | 1.1 mm                                                                                |
| Manufacturer Item Number        | 6011                                                                                  |
| Internal Special Features       | No                                                                                    |
| Basic dynamic load rating C     | 29.6 kN                                                                               |
| Basic dynamic load rating - C   | 29.6 kN                                                                               |
| Maximum Capacity / Filling Slot | No                                                                                    |
|                                 |                                                                                       |

|                                     |         |
|-------------------------------------|---------|
| Fatigue load limit $P_u$            | 0.9 kN  |
| Calculation factor $k_r$            | 0.025   |
| Calculation factor $f_0$            | 15.4    |
| Calculation factor - $k_r$          | 0.025   |
| Fatigue load limit - $P_u$          | 0.9 kN  |
| Calculation factor - $f_0$          | 15.4    |
| Basic static load rating<br>$C_0$   | 21.2 kN |
| Basic static load rating -<br>$C_0$ | 21.2 kN |