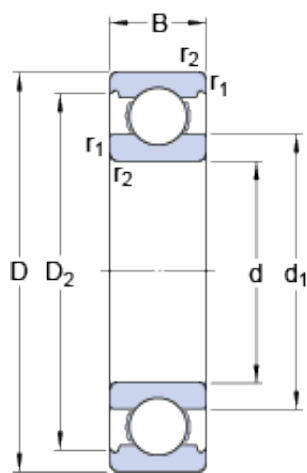




Bearing No. W 6004

|                  |                            |
|------------------|----------------------------|
| D                | 42 mm                      |
| d                | 20 mm                      |
| B                | 12 mm                      |
| Bore             | 0.787 Inch   20 Millimeter |
| Noun             | Bearing                    |
| UNSPSC           | 31171504                   |
| Category         | Single Row Ball Bearing    |
| Inventory        | 0.0                        |
| Enclosure        | Open                       |
| Size (mm)        | 42x20x12                   |
| Snap Ring        | No                         |
| Width (mm)       | 12                         |
| Mass bearing     | 0.061 kg                   |
| Weight / LBS     | 0.1367                     |
| Inch - Metric    | Metric                     |
| Cage Material    | Stainless Steel            |
| D <sub>2</sub>   | 38.7 mm                    |
| d <sub>1</sub>   | 27.6 mm                    |
| Product Group    | B00308                     |
| Other Features   | Deep Groove                |
| Keyword String   | Ball                       |
| Bearing number   | W 6004                     |
| Limiting speed   | 24000 r/min                |
| Rolling Element  | Ball Bearing               |
| Precision Class  | ABEC 1   ISO P0            |
| Reference speed  | 38000 r/min                |
| Outside Diameter | 1.654 Inch   42 Millimeter |
| Outer Race Width | 0.472 Inch   12 Millimeter |

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer URL            | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                      |
| Inner Race Width            | 0 Inch   0 Millimeter                                                                                                                                                                                    |
| Long Description            | 20MM Bore; 42MM Outside Diameter; 12MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Stainless Steel |
| Weight / Kilogram           | 0.016                                                                                                                                                                                                    |
| Manufacturer Name           | SKF                                                                                                                                                                                                      |
| Internal Clearance          | C0-Medium                                                                                                                                                                                                |
| d <sub>a</sub> min.         | 24 mm                                                                                                                                                                                                    |
| D <sub>a</sub> max.         | 39.5 mm                                                                                                                                                                                                  |
| r <sub>a</sub> max.         | 0.6 mm                                                                                                                                                                                                   |
| Bore Diameter (mm)          | 42                                                                                                                                                                                                       |
| Outer Diameter (mm)         | 20                                                                                                                                                                                                       |
| r <sub>1,2</sub> min.       | 0.6 mm                                                                                                                                                                                                   |
| r <sub>a</sub> - max.       | 0.6 mm                                                                                                                                                                                                   |
| D <sub>a</sub> - max.       | 39.5 mm                                                                                                                                                                                                  |
| d <sub>a</sub> - min.       | 24 mm                                                                                                                                                                                                    |
| Minimum Buy Quantity        | N/A                                                                                                                                                                                                      |
| D <sub>2</sub> ?            | 38.75 mm                                                                                                                                                                                                 |
| d <sub>1</sub> ?            | 27.6 mm                                                                                                                                                                                                  |
| r <sub>1,2</sub> - min.     | 0.6 mm                                                                                                                                                                                                   |
| Harmonized Tariff Code      | 8482.10.50.68                                                                                                                                                                                            |
| Manufacturer Item Number    | W 6004                                                                                                                                                                                                   |
| Internal Special Features   | No                                                                                                                                                                                                       |
| Basic dynamic load rating C | 8.06 kN                                                                                                                                                                                                  |

|                                  |          |
|----------------------------------|----------|
| Basic dynamic load rating - C    | 9.4 kN   |
| Maximum Capacity / Filling Slot  | No       |
| Fatigue load limit $P_u$         | 0.212 kN |
| Calculation factor $k_r$         | 0.03     |
| Calculation factor $f_0$         | 13.9     |
| Fatigue load limit - $P_u$       | 0.212 kN |
| Calculation factor - $k_r$       | 0.03     |
| Calculation factor - $f_0$       | 13.9     |
| Basic static load rating $C_0$   | 5 kN     |
| Basic static load rating - $C_0$ | 5.1 kN   |