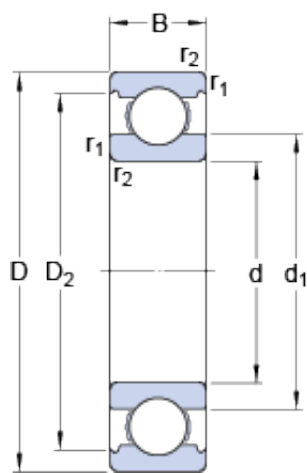




Bearing No. W 6304

|                  |                                                     |
|------------------|-----------------------------------------------------|
| D                | 52 mm                                               |
| d                | 20 mm                                               |
| B                | 15 mm                                               |
| Bore             | 0.787 Inch   20 Millimeter                          |
| Noun             | Bearing                                             |
| UNSPSC           | 31171504                                            |
| Category         | Single Row Ball Bearing                             |
| Inventory        | 0.0                                                 |
| Enclosure        | Open                                                |
| Size (mm)        | 52x20x15                                            |
| Snap Ring        | No                                                  |
| Width (mm)       | 15                                                  |
| Mass bearing     | 0.14 kg                                             |
| Weight / LBS     | 0.3086                                              |
| Inch - Metric    | Metric                                              |
| Cage Material    | Stainless Steel                                     |
| D <sub>2</sub>   | 45.4 mm                                             |
| d <sub>1</sub>   | 30 mm                                               |
| Product Group    | B00308                                              |
| Other Features   | Deep Groove                                         |
| Keyword String   | Ball                                                |
| Bearing number   | W 6304                                              |
| Limiting speed   | 20000 r/min                                         |
| Rolling Element  | Ball Bearing                                        |
| Reference speed  | 34000 r/min                                         |
| Precision Class  | ABEC 1   ISO P0                                     |
| Manufacturer URL | <a href="http://www.skf.com">http://www.skf.com</a> |
| Inner Race Width | 0 Inch   0 Millimeter                               |
| Long Description | 20MM Bore; 52MM                                     |

|                                |                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | Outside Diameter;<br>15MM Outer Race<br>Width; Open; Ball<br>Bearing; ABEC 1   ISO<br>P0; No Filling Slot; No<br>Snap Ring; No Internal<br>Special Features;<br>C0-Medium Internal<br>Clearance; Stainless<br>Steel |
| Outside Diameter               | 2.047 Inch   52<br>Millimeter                                                                                                                                                                                       |
| Outer Race Width               | 0.591 Inch   15<br>Millimeter                                                                                                                                                                                       |
| Manufacturer Name              | SKF                                                                                                                                                                                                                 |
| Weight / Kilogram              | 0                                                                                                                                                                                                                   |
| d <sub>a</sub> min.            | 26.5 mm                                                                                                                                                                                                             |
| D <sub>a</sub> max.            | 46 mm                                                                                                                                                                                                               |
| r <sub>a</sub> max.            | 1 mm                                                                                                                                                                                                                |
| Bore Diameter (mm)             | 52                                                                                                                                                                                                                  |
| Internal Clearance             | C0-Medium                                                                                                                                                                                                           |
| Outer Diameter (mm)            | 20                                                                                                                                                                                                                  |
| r <sub>1,2</sub> min.          | 1.1 mm                                                                                                                                                                                                              |
| r <sub>a</sub> - max.          | 1 mm                                                                                                                                                                                                                |
| D <sub>a</sub> - max.          | 46 mm                                                                                                                                                                                                               |
| d <sub>a</sub> - min.          | 26.5 mm                                                                                                                                                                                                             |
| Minimum Buy Quantity           | N/A                                                                                                                                                                                                                 |
| D <sub>2</sub> ?               | 45.4 mm                                                                                                                                                                                                             |
| d <sub>1</sub> ?               | 30 mm                                                                                                                                                                                                               |
| r <sub>1,2</sub> - min.        | 1.1 mm                                                                                                                                                                                                              |
| Harmonized Tariff Code         | 8482.10.50.68                                                                                                                                                                                                       |
| Internal Special<br>Features   | No                                                                                                                                                                                                                  |
| Basic dynamic load<br>rating C | 13.8 kN                                                                                                                                                                                                             |
| Basic dynamic load             | 13.8 kN                                                                                                                                                                                                             |

|                                     |          |
|-------------------------------------|----------|
| rating - C                          |          |
| Maximum Capacity /<br>Filling Slot  | No       |
| Fatigue load limit $P_u$            | 0.335 kN |
| Calculation factor $k_r$            | 0.035    |
| Calculation factor $f_0$            | 12.3     |
| Fatigue load limit - $P_u$          | 0.335 kN |
| Calculation factor - $k_r$          | 0.035    |
| Calculation factor - $f_0$          | 12.3     |
| Basic static load rating<br>$C_0$   | 7.8 kN   |
| Basic static load rating -<br>$C_0$ | 7.8 kN   |