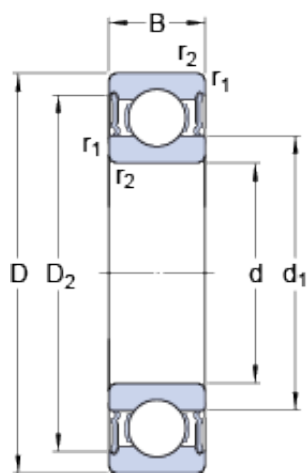




Bearing No. W 6003-2RS1

|                  |                                                     |
|------------------|-----------------------------------------------------|
| D                | 35 mm                                               |
| d                | 17 mm                                               |
| B                | 10 mm                                               |
| Bore             | 0.669 Inch   17 Millimeter                          |
| Noun             | Bearing                                             |
| UNSPSC           | 31171504                                            |
| Category         | Single Row Ball Bearing                             |
| Snap Ring        | No                                                  |
| Size (mm)        | 35x17x10                                            |
| Enclosure        | 2 Seals                                             |
| Inventory        | 0.0                                                 |
| Width (mm)       | 10                                                  |
| Weight / LBS     | 0.093                                               |
| Mass bearing     | 0.038 kg                                            |
| Product Group    | B00308                                              |
| d <sub>1</sub>   | 23.5 mm                                             |
| D <sub>2</sub>   | 31.85 mm                                            |
| Inch - Metric    | Metric                                              |
| Cage Material    | Stainless Steel                                     |
| Bearing number   | W 6003-2RS1                                         |
| Keyword String   | Ball                                                |
| Enclosure Type   | Contact Seal                                        |
| Other Features   | Deep Groove   NBR Seal                              |
| Limiting speed   | 13000 r/min                                         |
| Precision Class  | ABEC 1   ISO P0                                     |
| Rolling Element  | Ball Bearing                                        |
| Manufacturer URL | <a href="http://www.skf.com">http://www.skf.com</a> |
| 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; Stainless St |
| Inner Race Width          | 0 Inch   0 Millimeter                                                                                                                                                  |
| Outer Race Width          | 0.394 Inch   10 Millimeter                                                                                                                                             |
| Outside Diameter          | 1.378 Inch   35 Millimeter                                                                                                                                             |
| Manufacturer Name         | SKF                                                                                                                                                                    |
| Weight / Kilogram         | 0.036                                                                                                                                                                  |
| Bore Diameter (mm)        | 35                                                                                                                                                                     |
| $r_a$ max.                | 0.3 mm                                                                                                                                                                 |
| Internal Clearance        | C0-Medium                                                                                                                                                              |
| $D_a$ max.                | 33 mm                                                                                                                                                                  |
| $d_a$ max.                | 23 mm                                                                                                                                                                  |
| $d_a$ min.                | 19 mm                                                                                                                                                                  |
| Outer Diameter (mm)       | 17                                                                                                                                                                     |
| $r_{1,2}$ min.            | 0.3 mm                                                                                                                                                                 |
| $d_a$ - max.              | 23 mm                                                                                                                                                                  |
| $D_a$ - max.              | 33 mm                                                                                                                                                                  |
| $d_a$ - min.              | 19 mm                                                                                                                                                                  |
| $r_a$ - max.              | 0.3 mm                                                                                                                                                                 |
| Minimum Buy Quantity      | N/A                                                                                                                                                                    |
| $d_1$ ?                   | 23.5 mm                                                                                                                                                                |
| $D_2$ ?                   | 31.85 mm                                                                                                                                                               |
| $r_{1,2}$ - min.          | 0.3 mm                                                                                                                                                                 |
| Harmonized Tariff Code    | 8482.10.50.68                                                                                                                                                          |
| Manufacturer Item Number  | W 6003-2RS1                                                                                                                                                            |
| Internal Special Features | No                                                                                                                                                                     |

|                                  |          |
|----------------------------------|----------|
| Basic dynamic load rating C      | 4.94 kN  |
| Basic dynamic load rating - C    | 4.9 kN   |
| Maximum Capacity / Filling Slot  | No       |
| Fatigue load limit $P_u$         | 0.137 kN |
| Calculation factor $k_r$         | 0.03     |
| Calculation factor $f_0$         | 14.1     |
| Fatigue load limit - $P_u$       | 0.137 kN |
| Calculation factor - $k_r$       | 0.03     |
| Calculation factor - $f_0$       | 14.1     |
| Basic static load rating $C_0$   | 3.15 kN  |
| Basic static load rating - $C_0$ | 3.2 kN   |