



**Bearing No. W 6203**

|                  |                            |
|------------------|----------------------------|
| D                | 40 mm                      |
| d                | 17 mm                      |
| B                | 12 mm                      |
| Bore             | 0.669 Inch   17 Millimeter |
| Noun             | Bearing                    |
| UNSPSC           | 31171504                   |
| Category         | Single Row Ball Bearing    |
| Inventory        | 0.0                        |
| Enclosure        | Open                       |
| Size (mm)        | 40x17x12                   |
| 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>   | 35.8 mm                    |
| d <sub>1</sub>   | 24.9 mm                    |
| Product Group    | B00308                     |
| Other Features   | Deep Groove                |
| Keyword String   | Ball                       |
| Bearing number   | W 6203                     |
| Limiting speed   | 26000 r/min                |
| Rolling Element  | Ball Bearing               |
| Precision Class  | ABEC 1   ISO P0            |
| Reference speed  | 40000 r/min                |
| Outside Diameter | 1.575 Inch   40 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              | 17MM Bore; 40MM 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             | 0.062  |
| Manufacturer Name             | SKF  |
| Internal Clearance            | C0-Medium  |
| $d_a$ min.                    | 21 mm  |
| $D_a$ max.                    | 37.5 mm  |
| $r_a$ max.                    | 0.6 mm   |
| Bore Diameter (mm)            | 40   |
| Outer Diameter (mm)           | 17   |
| $r_{1,2}$ min.                | 0.6 mm   |
| $r_a$ - max.                  | 0.6 mm   |
| $D_a$ - max.                  | 37.5 mm  |
| $d_a$ - min.                  | 21 mm  |
| Minimum Buy Quantity          | N/A  |
| $D_2$ ?                       | 35.8 mm  |
| $d_1$ ?                       | 24.9 mm  |
| $r_{1,2}$ - min.              | 0.6 mm   |
| Harmonized Tariff Code        | 8482.10.50.68  |
| Internal Special Features     | No   |
| Basic dynamic load rating C   | 8.06 kN  |
| Basic dynamic load rating - C | 8.1 kN   |

|                                     |         |
|-------------------------------------|---------|
| Maximum Capacity /<br>Filling Slot  | No      |
| Fatigue load limit $P_u$            | 0.2 kN  |
| Calculation factor $k_r$            | 0.03    |
| Calculation factor $f_0$            | 13.1    |
| Fatigue load limit - $P_u$          | 0.2 kN  |
| Calculation factor - $k_r$          | 0.03    |
| Calculation factor - $f_0$          | 13.1    |
| Basic static load rating<br>$C_0$   | 4.75 kN |
| Basic static load rating -<br>$C_0$ | 4.8 kN  |