



**Bearing No. 61803-2RS1**

|                |                            |
|----------------|----------------------------|
| D              | 26 mm                      |
| d              | 17 mm                      |
| B              | 5 mm                       |
| Noun           | Bearing                    |
| Bore           | 0.669 Inch   17 Millimeter |
| UNSPSC         | 31171504                   |
| series:        | 61                         |
| Category       | Single Row Ball Bearing    |
| Size (mm)      | 26x17x5                    |
| Enclosure      | 2 Seals                    |
| Inventory      | 0.0                        |
| Snap Ring      | No                         |
| Width (mm)     | 5                          |
| bore type:     | Round                      |
| Weight / LBS   | 0.02                       |
| Mass bearing   | 0.0082 kg                  |
| maximum rpm:   | 16000 RPM                  |
| Inch - Metric  | Metric                     |
| Product Group  | B00308                     |
| Cage Material  | Steel                      |
| D <sub>2</sub> | 24.15 mm                   |
| closure type:  | Double Sealed              |
| d <sub>1</sub> | 19.8 mm                    |
| Keyword String | Ball                       |
| bore diameter: | 17 mm                      |
| cage material: | Steel                      |
| fillet radius: | 0.3 mm                     |
| Enclosure Type | Contact Seal               |
| overall width: | 5 mm                       |

|                       |   |
|-----------------------|---|
| Bearing number        | 61803-2RS1  |
| Limiting speed        | 16000 r/min   |
| Rolling Element       | Ball Bearing  |
| finish/coating:       | Uncoated  |
| Precision Class       | ABEC 1   ISO P0   |
| Outside Diameter      | 1.024 Inch   26<br>Millimeter   |
| Outer Race Width      | 0.197 Inch   5 Millimeter   |
| Manufacturer URL      | <a href="http://www.skf.com">http://www.skf.com</a>   |
| Long Description      | 17MM Bore; 26MM<br>Outside Diameter; 5MM<br>Outer Race Diameter; 2<br>Seals; Ball Bearing;<br>ABEC 1   ISO P0; No<br>Filling Slot; No Snap<br>Ring; No Internal<br>Special Features |
| Manufacturer Name     | SKF   |
| precision rating:     | Not Rated   |
| outside diameter:     | 26 mm   |
| outer ring width:     | 5 mm  |
| Weight / Kilogram     | 0.01  |
| Internal Clearance    | C0-Medium   |
| D <sub>a</sub> max.   | 24 mm   |
| Bore Diameter (mm)    | 26  |
| r <sub>a</sub> max.   | 0.3 mm  |
| d <sub>a</sub> min.   | 18 mm   |
| d <sub>a</sub> max.   | 18.6 mm   |
| Outer Diameter (mm)   | 17  |
| internal clearance:   | C0  |
| d <sub>a</sub> - max. | 18.6 mm   |
| d <sub>a</sub> - min. | 18 mm   |
| r <sub>1,2</sub> min. | 0.3 mm  |
| D <sub>a</sub> - max. | 24 mm   |
| Minimum Buy Quantity  | N/A   |

|                                  |                          |
|----------------------------------|--------------------------|
| $r_a$ - max.                     | 0.3 mm                   |
| $D_2$ ?                          | 0 mm                     |
| static load capacity:            | 1.27 kN                  |
| row type & fill slot:            | Single Row Non-Fill Slot |
| $d_1$ ?                          | 19.8 mm                  |
| dynamic load capacity:           | 2.03 kN                  |
| Harmonized Tariff Code           | 8482.10.50.68            |
| $r_{1,2}$ - min.                 | 0.3 mm                   |
| Manufacturer Item Number         | 61803 2RS1               |
| Internal Special Features        | No                       |
| Basic dynamic load rating C      | 2.03 kN                  |
| operating temperature range:     | -40 to +210 °F           |
| Basic dynamic load rating - C    | 2 kN                     |
| Maximum Capacity / Filling Slot  | No                       |
| Fatigue load limit $P_u$         | 0.054 kN                 |
| Calculation factor $k_r$         | 0.015                    |
| Calculation factor $f_0$         | 14.1                     |
| Fatigue load limit - $P_u$       | 0.054 kN                 |
| Calculation factor - $k_r$       | 0.015                    |
| Calculation factor - $f_0$       | 14.1                     |
| Basic static load rating $C_0$   | 1.27 kN                  |
| Basic static load rating - $C_0$ | 1.3 kN                   |