

# **Bearing No. W 63800 R-2Z**

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| D               | 19 mm                                                         |
| d               | 10 mm                                                         |
| B               | 7 mm                                                          |
| C               | 1,5 mm                                                        |
| D3              | 21 mm                                                         |
| Bore            | 0.394 Inch   10<br>Millimeter                                 |
| Noun            | Bearing                                                       |
| Weight          | 0,0078 Kg                                                     |
| UNSPSC          | 31171504                                                      |
| Category        | Single Row Ball Bearing                                       |
| Inventory       | 0.0                                                           |
| Size (mm)       | 10x19x7                                                       |
| Enclosure       | 2 Metal Shields                                               |
| Snap Ring       | No                                                            |
| Width (mm)      | 7                                                             |
| Mass bearing    | 0.0078 kg                                                     |
| Weight / LBS    | 0.0157                                                        |
| Inch - Metric   | Metric                                                        |
| Product Group   | B00308                                                        |
| D <sub>3</sub>  | 21 mm                                                         |
| Cage Material   | Stainless Steel                                               |
| Keyword String  | Ball                                                          |
| Other Features  | Deep Groove   Flanged<br>Outer Ring   Polymer<br>Ball Bearing |
| Limiting speed  | 38000 r/min                                                   |
| Bearing number  | W 63800 R-2Z                                                  |
| Rolling Element | Ball Bearing                                                  |
| Precision Class | ABEC 1   ISO P0                                               |
| Reference speed | 80 000 r/min                                                  |
|                 |                                                               |

|                                  |                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside Diameter                 | 0.748 Inch   19<br>Millimeter                                                                                                                                                                                                       |
| Long Description                 | 10MM Bore; 19MM<br>Outside Diameter; 7MM<br>Outer Race Width; 2<br>Metal Shields; 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; Stain |
| Manufacturer URL                 | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                                                 |
| Inner Race Width                 | 0 Inch   0 Millimeter                                                                                                                                                                                                               |
| Outer Race Width                 | 0.276 Inch   7 Millimeter                                                                                                                                                                                                           |
| Weight / Kilogram                | 0.008                                                                                                                                                                                                                               |
| Manufacturer Name                | SKF                                                                                                                                                                                                                                 |
| Bore Diameter (mm)               | 10                                                                                                                                                                                                                                  |
| $r_a$ max.                       | 0.3 mm                                                                                                                                                                                                                              |
| $d_a$ max.                       | 11.5 mm                                                                                                                                                                                                                             |
| $d_a$ min.                       | 11.5 mm                                                                                                                                                                                                                             |
| Internal Clearance               | C0-Medium                                                                                                                                                                                                                           |
| Outer Diameter (mm)              | 19                                                                                                                                                                                                                                  |
| $r_{1,2}$ min.                   | 0.3 mm                                                                                                                                                                                                                              |
| Minimum Buy Quantity             | N/A                                                                                                                                                                                                                                 |
| $d_2$ ?                          | 11.8 mm                                                                                                                                                                                                                             |
| $D_2$ ?                          | 17.15 mm                                                                                                                                                                                                                            |
| Harmonized Tariff Code           | 8482.10.50.68                                                                                                                                                                                                                       |
| Fatigue load limit (Pu)          | 0,036                                                                                                                                                                                                                               |
| Internal Special<br>Features     | No                                                                                                                                                                                                                                  |
| Basic dynamic load<br>rating C   | 1.48 kN                                                                                                                                                                                                                             |
| Basic static load rating<br>(C0) | 0,83 kN                                                                                                                                                                                                                             |
| Basic dynamic load               | 1,48 kN                                                                                                                                                                                                                             |

|                                    |          |
|------------------------------------|----------|
| rating (C)                         |          |
| Maximum Capacity /<br>Filling Slot | No       |
| Fatigue load limit $P_u$           | 0.036 kN |
| Calculation factor $k_r$           | 0.02     |
| Calculation factor $f_0$           | 14.8     |
| Basic static load rating<br>$C_0$  | 0.83 kN  |