



Bearing No. 61900-2RS1

|               |                            |
|---------------|----------------------------|
| D             | 22 mm                      |
| d             | 10 mm                      |
| B             | 6 mm                       |
| C             | 6 mm                       |
| d2            | 13,2 mm                    |
| d1            | – mm                       |
| D2            | 0,3 mm                     |
| D1            | 19,4 mm                    |
| Bore          | 0.394 Inch   10 Millimeter |
| Noun          | Bearing                    |
| Weight        | 0,01 Kg                    |
| UNSPSC        | 31171504                   |
| r1 min.       | 12 mm                      |
| r2 min.       | 12 mm                      |
| series:       | 61                         |
| Da max.       | 20 mm                      |
| ra max.       | 0,3 mm                     |
| da min.       | 12 mm                      |
| Category      | Single Row Ball Bearing    |
| Inventory     | 31.0                       |
| Size (mm)     | 10x22x6                    |
| Snap Ring     | No                         |
| Enclosure     | 2 Seals                    |
| bore type:    | Round                      |
| Width (mm)    | 6                          |
| Weight / LBS  | 0.02                       |
| maximum rpm:  | 20000 RPM                  |
| Mass bearing  | 0.01 kg                    |
| closure type: | Double Sealed              |
|               |                            |

|                     |                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cage Material       | Steel                                                                                                                                                                               |
| Inch - Metric       | Metric                                                                                                                                                                              |
| Product Group       | B00308                                                                                                                                                                              |
| Limiting speed      | 20000 r/min                                                                                                                                                                         |
| fillet radius:      | 0.3 mm                                                                                                                                                                              |
| cage material:      | Steel                                                                                                                                                                               |
| bore diameter:      | 10 mm                                                                                                                                                                               |
| Keyword String      | Ball                                                                                                                                                                                |
| overall width:      | 6 mm                                                                                                                                                                                |
| Enclosure Type      | Contact Seal                                                                                                                                                                        |
| Bearing number      | 61900-2RS1                                                                                                                                                                          |
| Rolling Element     | Ball Bearing                                                                                                                                                                        |
| finish/coating:     | Uncoated                                                                                                                                                                            |
| Precision Class     | ABEC 1   ISO P0                                                                                                                                                                     |
| Reference speed     | – r/min                                                                                                                                                                             |
| Outside Diameter    | 0.866 Inch   22<br>Millimeter                                                                                                                                                       |
| Long Description    | 10MM Bore; 22MM<br>Outside Diameter; 6MM<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 URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                 |
| Outer Race Width    | 0.236 Inch   6 Millimeter                                                                                                                                                           |
| outer ring width:   | 6 mm                                                                                                                                                                                |
| precision rating:   | Not Rated                                                                                                                                                                           |
| outside diameter:   | 22 mm                                                                                                                                                                               |
| Manufacturer Name   | SKF                                                                                                                                                                                 |
| Weight / Kilogram   | 0.011                                                                                                                                                                               |
| Internal Clearance  | C0-Medium                                                                                                                                                                           |
| d <sub>a</sub> min. | 12 mm                                                                                                                                                                               |
| Bore Diameter (mm)  | 10                                                                                                                                                                                  |

|                                 |                          |
|---------------------------------|--------------------------|
| $r_a$ max.                      | 0.3 mm                   |
| $D_a$ max.                      | 20 mm                    |
| $d_a$ max.                      | 12 mm                    |
| Outer Diameter (mm)             | 22                       |
| internal clearance:             | C0                       |
| Minimum Buy Quantity            | N/A                      |
| $r_{1,2}$ min.                  | 0.3 mm                   |
| static load capacity:           | 1.27 kN                  |
| $D_2$ ?                         | 0 mm                     |
| row type & fill slot:           | Single Row Non-Fill Slot |
| Harmonized Tariff Code          | 8482.10.50.68            |
| dynamic load capacity:          | 2.7 kN                   |
| Calculation factor ( $f_0$ )    | 14                       |
| Fatigue load limit ( $P_u$ )    | 0,054                    |
| Manufacturer Item Number        | 61900 2RS1               |
| Internal Special Features       | No                       |
| Basic dynamic load rating C     | 2.7 kN                   |
| operating temperature range:    | -40 to +210 °F           |
| Basic dynamic load rating (C)   | 2,7 kN                   |
| Basic static load rating (C0)   | 1,27 kN                  |
| Maximum Capacity / Filling Slot | No                       |
| Fatigue load limit $P_u$        | 0.054 kN                 |
| Calculation factor $k_r$        | 0.02                     |
| Calculation factor $f_0$        | 14                       |
| Basic static load rating $C_0$  | 1.27 kN                  |