



**Bearing No. 62207-2RS1**

|               |                               |
|---------------|-------------------------------|
| D             | 72 mm                         |
| d             | 35 mm                         |
| B             | 23 mm                         |
| C             | 23 mm                         |
| D2            | 1,1 mm                        |
| d1            | 46,9 mm                       |
| d2            | - mm                          |
| D1            | 62,7 mm                       |
| Noun          | Bearing                       |
| Bore          | 1.378 Inch   35<br>Millimeter |
| UNSPSC        | 31171504                      |
| Weight        | 0,4 Kg                        |
| Da max.       | 65 mm                         |
| ra max.       | 1 mm                          |
| r2 min.       | 42 mm                         |
| da min.       | 46,8 mm                       |
| r1 min.       | 42 mm                         |
| series:       | 62                            |
| Category      | Single Row Ball Bearing       |
| Inventory     | 2.0                           |
| Size (mm)     | 35x72x23                      |
| Snap Ring     | No                            |
| Enclosure     | 2 Seals                       |
| Width (mm)    | 23                            |
| bore type:    | Round                         |
| Mass bearing  | 0.4 kg                        |
| Weight / LBS  | 0.873                         |
| maximum rpm:  | 6300 RPM                      |
| Product Group | B00308                        |
|               |                               |

|                     |  |
|---------------------|--|
| Cage Material       | Steel  |
| Inch - Metric       | Metric   |
| closure type:       | Double Sealed  |
| Keyword String      | Ball   |
| bore diameter:      | 35 mm  |
| overall width:      | 23 mm  |
| cage material:      | Steel  |
| Other Features      | Cartridge Bearing  |
| fillet radius:      | 1 mm   |
| Bearing number      | 62207-2RS1   |
| Limiting speed      | 6300 r/min   |
| Enclosure Type      | Contact Seal   |
| finish/coating:     | Uncoated   |
| Reference speed     | – r/min  |
| Rolling Element     | Ball Bearing   |
| Precision Class     | ABEC 1   ISO P0  |
| Outer Race Width    | 0.906 Inch   23<br>Millimeter  |
| Outside Diameter    | 2.835 Inch   72<br>Millimeter  |
| Long Description    | 35MM Bore; 72MM<br>Outside Diameter;<br>23MM Outer Race<br>Diameter; 2 Seals; Ball<br>Bearing; ABEC 1   ISO<br>P0; No Filling Slot; No<br>Snap Ring; No Internal<br>Special Features |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Weight / Kilogram   | 0.396  |
| Manufacturer Name   | SKF  |
| outer ring width:   | 23 mm  |
| outside diameter:   | 72 mm  |
| precision rating:   | ABEC 3 (ISO Class 6)   |
| d <sub>a</sub> min. | 42 mm  |

|                                 |                          |
|---------------------------------|--------------------------|
| $d_a$ max.                      | 46.8 mm                  |
| $D_a$ max.                      | 65 mm                    |
| $r_a$ max.                      | 1 mm                     |
| Bore Diameter (mm)              | 35                       |
| Internal Clearance              | C0-Medium                |
| Outer Diameter (mm)             | 72                       |
| internal clearance:             | C0                       |
| $r_{1,2}$ min.                  | 1.1 mm                   |
| Minimum Buy Quantity            | N/A                      |
| $D_2$ ?                         | 62.69 mm                 |
| $d_1$ ?                         | 46.94 mm                 |
| row type & fill slot:           | Single Row Non-Fill Slot |
| static load capacity:           | 15.3 kN                  |
| Harmonized Tariff Code          | 8482.10.50.68            |
| dynamic load capacity:          | 25.5 kN                  |
| Fatigue load limit (Pu)         | 0,655                    |
| Calculation factor (f0)         | 14                       |
| Manufacturer Item Number        | 62207-2RS1               |
| Internal Special Features       | No                       |
| Basic dynamic load rating C     | 25.5 kN                  |
| operating temperature range:    | -40 to +210 °F           |
| Basic dynamic load rating (C)   | 25,5 kN                  |
| Basic static load rating (C0)   | 15,3 kN                  |
| Maximum Capacity / Filling Slot | No                       |
| Fatigue load limit $P_u$        | 0.655 kN                 |
| Calculation factor $k_r$        | 0.025                    |
| Calculation factor $f_0$        | 13.8                     |
|                                 |                          |

|                                   |         |
|-----------------------------------|---------|
| Basic static load rating<br>$C_0$ | 15.3 kN |
|-----------------------------------|---------|