



Bearing No. 6208

|                |                            |
|----------------|----------------------------|
| D              | 80 mm                      |
| d              | 40 mm                      |
| B              | 18 mm                      |
| C              | 18 mm                      |
| D2             | 69,8 mm                    |
| d1             | 52,6 mm                    |
| D1             | 67,4 mm                    |
| Noun           | Bearing                    |
| Bore           | 1.575 Inch   40 Millimeter |
| Weight         | 0,37 Kg                    |
| UNSPSC         | 31171504                   |
| rc max.        | 1 mm                       |
| Da max.        | 73 mm                      |
| da min.        | 47 mm                      |
| r2 min.        | 1,1 mm                     |
| r1 min.        | 1,1 mm                     |
| Category       | Single Row Ball Bearing    |
| Inventory      | 7.0                        |
| Size (mm)      | 40x80x18                   |
| Snap Ring      | No                         |
| Enclosure      | Open                       |
| Width (mm)     | 18                         |
| Weight / LBS   | 0.81                       |
| Mass bearing   | 0.36 kg                    |
| Inch - Metric  | Metric                     |
| Cage Material  | Steel                      |
| Product Group  | B00308                     |
| Keyword String | Ball                       |
| Bearing number | 6208                       |
|                |                            |

|                           |                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limiting speed            | 11000 r/min                                                                                                                                                  |
| Precision Class           | ABEC 1   ISO P0                                                                                                                                              |
| Reference speed           | 18000 r/min                                                                                                                                                  |
| Rolling Element           | Ball Bearing                                                                                                                                                 |
| Outside Diameter          | 3.15 Inch   80 Millimeter                                                                                                                                    |
| Outer Race Width          | 0.709 Inch   18 Millimeter                                                                                                                                   |
| Manufacturer URL          | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                          |
| Long Description          | 40MM Bore; 80MM Outside Diameter; 18MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Weight / Kilogram         | 0.367                                                                                                                                                        |
| Manufacturer Name         | SKF                                                                                                                                                          |
| Internal Clearance        | C0-Medium                                                                                                                                                    |
| r <sub>a</sub> max.       | 1 mm                                                                                                                                                         |
| D <sub>a</sub> max.       | 73 mm                                                                                                                                                        |
| d <sub>a</sub> min.       | 47 mm                                                                                                                                                        |
| Bore Diameter (mm)        | 40                                                                                                                                                           |
| Outer Diameter (mm)       | 80                                                                                                                                                           |
| r <sub>1,2</sub> min.     | 1.1 mm                                                                                                                                                       |
| Minimum Buy Quantity      | N/A                                                                                                                                                          |
| D <sub>2</sub> ?          | 69.8 mm                                                                                                                                                      |
| d <sub>1</sub> ?          | 52.6 mm                                                                                                                                                      |
| Harmonized Tariff Code    | 8482.10.50.68                                                                                                                                                |
| Calculation factor (f0)   | 14                                                                                                                                                           |
| Fatigue load limit (Pu)   | 0,8                                                                                                                                                          |
| Manufacturer Item Number  | 6208                                                                                                                                                         |
| Internal Special Features | No                                                                                                                                                           |
|                           |                                                                                                                                                              |

|                                            |         |
|--------------------------------------------|---------|
| Basic dynamic load rating C                | 32.5 kN |
| Basic dynamic load rating (C)              | 32,5 kN |
| Basic static load rating (C <sub>0</sub> ) | 19 kN   |
| Maximum Capacity / Filling Slot            | No      |
| Fatigue load limit P <sub>u</sub>          | 0.8 kN  |
| Calculation factor k <sub>r</sub>          | 0.025   |
| Calculation factor f <sub>0</sub>          | 13.8    |
| Basic static load rating C <sub>0</sub>    | 19 kN   |