



## China 608 Bearing Supplier



6309 Bearing 2D drawings and 3D CAD models

SKF bearing 6309 C3 6309 ZZ deep groove ball bearings 6309 2z

Bearing No. 6309

|   |                          |
|---|--------------------------|
| Size                                      | 100x45x25 mm             |
| Bore Diameter                             | 100 mm                   |
| Outer Diameter                            | 45 mm                    |
| Width                                     | 25 mm                    |
| d   | 45 mm                    |
| D   | 100 mm                   |
| B   | 25 mm                    |
| d <sub>1</sub>                            | 62.18 mm                 |
| D <sub>2</sub>                            | 86.7 mm                  |
| r <sub>1,2</sub> - min.                   | 1.5 mm                   |
| d <sub>a</sub> - min.                     | 54 mm                    |
| D <sub>a</sub> - max.                     | 91 mm                    |
| r <sub>a</sub> - max.                     | 1.5 mm                   |
| Basic dynamic load rating - C             | 55.3 kN                  |
| Basic static load rating - C <sub>0</sub> | 31.5 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 1.3 kN                   |
| Reference speed                           | 15000 r/min              |
| Limiting speed                            | 9500 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.03                     |
| Calculation factor - f <sub>0</sub>       | 13                       |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 3.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |



## China 608 Bearing Supplier

|                                 |   |
|---------------------------------|---|
| Weight / Kilogram               | 0.83  |
| Product Group                   | B00308  |
| Enclosure                       | Open  |
| Precision Class                 | ABEC 1   ISO P0   |
| Maximum Capacity / Filling Slot | No  |
| Rolling Element                 | Ball Bearing  |
| Snap Ring                       | No  |
| Internal Special Features       | No  |
| Cage Material                   | Steel   |
| Internal Clearance              | C0-Medium   |
| Inch - Metric                   | Metric  |
| Long Description                | 45MM Bore; 100MM Outside Diameter; 25MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Category                        | Single Row Ball Bearing   |
| UNSPSC                          | 31171504  |
| Harmonized Tariff Code          | 8482.10.50.68   |
| Noun                            | Bearing   |
| Keyword String                  | Ball  |
| Manufacturer URL                | <a href="http://www.skf.com">http://www.skf.com</a>   |
| Manufacturer Item Number        | 6309  |
| Weight / LBS                    | 1.83  |
| Outside Diameter                | 3.937 Inch   100 Millimeter   |
| Outer Race Width                | 0.984 Inch   25 Millimeter  |
| Bore                            | 1.772 Inch   45 Millimeter  |
| d <sub>1</sub>                  | 62.18 mm  |
| D <sub>2</sub>                  | 86.7 mm   |
| r <sub>1,2</sub> min.           | 1.5 mm  |
| d <sub>a</sub> min.             | 54 mm   |
|                                 |   |



## China 608 Bearing Supplier

|                                |         |
|--------------------------------|---------|
| $D_a$ max.                     | 91 mm   |
| $r_a$ max.                     | 1.5 mm  |
| Basic dynamic load rating C    | 55.3 kN |
| Basic static load rating $C_0$ | 31.5 kN |
| Fatigue load limit $P_u$       | 1.34 kN |
| Calculation factor $k_r$       | 0.03    |
| Calculation factor $f_0$       | 13      |
| Mass bearing                   | 0.83 kg |