



# NTN BEARING CORP.



6310 Bearing 2D drawings and 3D CAD models

## SKF 6310 Bearing

Bearing No. 6310

|   |                          |
|---|--------------------------|
| Size                                      | 110x50x27 mm             |
| Bore Diameter                             | 110 mm                   |
| Outer Diameter                            | 50 mm                    |
| Width                                     | 27 mm                    |
| d   | 50 mm                    |
| D   | 110 mm                   |
| B   | 27 mm                    |
| d <sub>1</sub>                            | 68.76 mm                 |
| D <sub>2</sub>                            | 95.2 mm                  |
| r <sub>1,2</sub>                          |                          |
| d <sub>a</sub> - min.                     | 61 mm                    |
| D <sub>a</sub> - max.                     | 99 mm                    |
| r <sub>a</sub> - max.                     | 2 mm                     |
| Basic dynamic load rating - C             | 65 kN                    |
| Basic static load rating - C <sub>0</sub> | 38 kN                    |
| Fatigue load limit - P <sub>u</sub>       | 1.6 kN                   |
| Reference speed                           | 13000 r/min              |
| Limiting speed                            | 8500 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.03                     |
| Calculation factor - f <sub>0</sub>       | 13                       |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
|   |                          |



## NTN BEARING CORP.

|                                 |   |
|---------------------------------|---|
| Weight / Kilogram               | 1.083   |
| EAN                             | 7316577067739   |
| 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                | 50MM Bore; 110MM Outside Diameter; 27MM 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        | 6310  |
| Weight / LBS                    | 2.38  |
| Outer Race Width                | 1.063 Inch   27 Millimeter  |
| Outside Diameter                | 4.331 Inch   110 Millimeter   |
| Bore                            | 1.969 Inch   50 Millimeter  |
| d <sub>1</sub>                  | 68.76 mm  |
| D <sub>2</sub>                  | 95.2 mm   |
| r <sub>1,2</sub> min.           | 2 mm  |
|                                 |   |



## NTN BEARING CORP.

|                                |         |
|--------------------------------|---------|
| $d_a$ min.                     | 61 mm   |
| $D_a$ max.                     | 99 mm   |
| $r_a$ max.                     | 2 mm    |
| Basic dynamic load rating C    | 65 kN   |
| Basic static load rating $C_0$ | 38 kN   |
| Fatigue load limit $P_u$       | 1.6 kN  |
| Calculation factor $k_r$       | 0.03    |
| Calculation factor $f_0$       | 13      |
| Mass bearing                   | 1.08 kg |