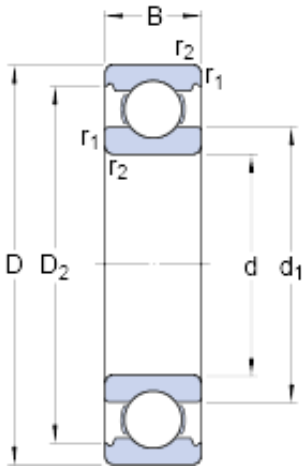




# NTA BEARING PRECISION AXLE CORP.



6012 Bearing 2D drawings and 3D CAD models

## SKF Bearing 6012 6012RS 6012z Bearing Deep Groove Ball Bearing

Bearing No. 6012

|   |                          |
|---|--------------------------|
| Size                                      | 95x60x18 mm              |
| Bore Diameter                             | 95 mm                    |
| Outer Diameter                            | 60 mm                    |
| Width                                     | 18 mm                    |
| d   | 60 mm                    |
| D   | 95 mm                    |
| B   | 18 mm                    |
| d <sub>1</sub>                            | 71.3 mm                  |
| D <sub>2</sub>                            | 86.5 mm                  |
| r <sub>1,2</sub> - min.                   | 1.1 mm                   |
| d <sub>a</sub> - min.                     | 66 mm                    |
| D <sub>a</sub> - max.                     | 89 mm                    |
| r <sub>a</sub> - max.                     | 1 mm                     |
| Basic dynamic load rating - C             | 30.7 kN                  |
| Basic static load rating - C <sub>0</sub> | 23.2 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 0.98 kN                  |
| Reference speed                           | 15000 r/min              |
| Limiting speed                            | 9500 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.025                    |
| Calculation factor - f <sub>0</sub>       | 15.6                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 5.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |



## NTA BEARING PRECISION AXLE CORP.

|                                 |  |
|---------------------------------|--|
| Weight / Kilogram               | 0.417  |
| EAN                             | 7316577061850  |
| 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                | 60MM Bore; 95MM Outside Diameter; 18MM 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        | 6012   |
| Weight / LBS                    | 0.92   |
| Bore                            | 2.362 Inch   60 Millimeter   |
| Outer Race Width                | 0.709 Inch   18 Millimeter   |
| Outside Diameter                | 3.74 Inch   95 Millimeter  |
| d <sub>1</sub>                  | 71.3 mm  |
| D <sub>2</sub>                  | 86.5 mm  |
| r <sub>1,2</sub> min.           | 1.1 mm   |
|                                 |  |



## NTA BEARING PRECISION AXLE CORP.

|                                |         |
|--------------------------------|---------|
| $d_a$ min.                     | 66 mm   |
| $D_a$ max.                     | 89 mm   |
| $r_a$ max.                     | 1 mm    |
| Basic dynamic load rating C    | 30.7 kN |
| Basic static load rating $C_0$ | 23.2 kN |
| Fatigue load limit $P_u$       | 0.98 kN |
| Calculation factor $k_r$       | 0.025   |
| Calculation factor $f_0$       | 15.6    |
| Mass bearing                   | 0.41 kg |