



# PFG BEARING LIMITED



## 50 mm x 80 mm x 16 mm skf 6010 bearing

Bearing No. 6010

6010 Bearing 2D drawings and 3D CAD models

|   |                          |
|---|--------------------------|
| Size                                      | 80x50x16 mm              |
| Bore Diameter                             | 80 mm                    |
| Outer Diameter                            | 50 mm                    |
| Width                                     | 16 mm                    |
| d   | 50 mm                    |
| D   | 80 mm                    |
| B   | 16 mm                    |
| d <sub>1</sub>                            | 59.75 mm                 |
| D <sub>2</sub>                            | 72.8 mm                  |
| r <sub>1,2</sub> - min.                   | 1 mm                     |
| d <sub>a</sub> - min.                     | 54.6 mm                  |
| D <sub>a</sub> - max.                     | 75.4 mm                  |
| r <sub>a</sub> - max.                     | 1 mm                     |
| Basic dynamic load rating - C             | 22.9 kN                  |
| Basic static load rating - C <sub>0</sub> | 16 kN                    |
| Fatigue load limit - P <sub>u</sub>       | 0.71 kN                  |
| Reference speed                           | 18000 r/min              |
| Limiting speed                            | 11000 r/min              |
| Calculation factor - k <sub>r</sub>       | 0.025                    |
| Calculation factor - f <sub>0</sub>       | 14.7                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 0.27                     |



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|                                 |  |
|---------------------------------|--|
| EAN                             | 7316577064295  |
| 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; 80MM Outside Diameter; 16MM 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        | 6010   |
| Weight / LBS                    | 0.59   |
| Bore                            | 1.969 Inch   50 Millimeter   |
| Outside Diameter                | 3.15 Inch   80 Millimeter  |
| Outer Race Width                | 0.63 Inch   16 Millimeter  |
| d <sub>1</sub>                  | 59.75 mm   |
| r <sub>1,2</sub> min.           | 1 mm   |
| d <sub>a</sub> min.             | 54.6 mm  |
| D <sub>a</sub> max.             | 75.4 mm  |
|                                 |  |



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|                                |         |
|--------------------------------|---------|
| $r_a$ max.                     | 1 mm    |
| Basic dynamic load rating C    | 22.9 kN |
| Basic static load rating $C_0$ | 16 kN   |
| Fatigue load limit $P_u$       | 0.71 kN |
| Calculation factor $k_r$       | 0.025   |
| Calculation factor $f_0$       | 14.7    |
| Mass bearing                   | 0.26 kg |