



## 35 mm x 80 mm x 21 mm skf 6307 bearing

Bearing No. 6307

|                               |                          |
|-------------------------------|--------------------------|
| Size                          | 35x80x21 mm              |
| Bore Diameter                 | 35 mm                    |
| Outer Diameter                | 80 mm                    |
| Width                         | 21 mm                    |
| d                             | 35 mm                    |
| D                             | 80 mm                    |
| B                             | 21 mm                    |
| C                             | 21 mm                    |
| d1                            | 49,5 mm                  |
| r1 min.                       | 1,5 mm                   |
| r2 min.                       | 1,5 mm                   |
| D1                            | 65,4 mm                  |
| D2                            | 69,2 mm                  |
| da min.                       | 44 mm                    |
| Da max.                       | 71 mm                    |
| rc max.                       | 1,5 mm                   |
| Weight                        | 0,46 Kg                  |
| Basic dynamic load rating (C) | 35,1 kN                  |
| Basic static load rating (C0) | 19 kN                    |
| Fatigue load limit (Pu)       | 0,815                    |
| Reference speed               | 19000 r/min              |
| Limiting speed                | 12000 r/min              |
| Calculation factor (f0)       | 13                       |
| Category                      | Single Row Ball Bearings |
| Inventory                     | 3.0                      |
| Manufacturer Name             | SKF                      |

6307 Bearing 2D drawings and 3D CAD models



## PRECISION BEARING CORP.

|                                 |  |
|---------------------------------|--|
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 0.459  |
| EAN                             | 7316577738745  |
| 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                | 35MM Bore; 80MM Outside Diameter; 21MM 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        | 6307   |
| Weight / LBS                    | 1.01   |
| Outside Diameter                | 3.15 Inch   80 Millimeter  |
| Bore                            | 1.378 Inch   35 Millimeter   |
| Outer Race Width                | 0.827 Inch   21 Millimeter   |
| d <sub>1</sub>                  | 49.56 mm   |
| D <sub>2</sub>                  | 69.2 mm  |
|                                 |  |



## PRECISION BEARING CORP.

|                                |          |
|--------------------------------|----------|
| $r_{1,2}$ min.                 | 1.5 mm   |
| $d_a$ min.                     | 44 mm    |
| $D_a$ max.                     | 71 mm    |
| $r_a$ max.                     | 1.5 mm   |
| Basic dynamic load rating C    | 35.1 kN  |
| Basic static load rating $C_0$ | 19 kN    |
| Fatigue load limit $P_u$       | 0.815 kN |
| Calculation factor $k_r$       | 0.03     |
| Calculation factor $f_0$       | 13.1     |
| Mass bearing                   | 0.46 kg  |