



# PCIF BEARING LIMITED



## 85 mm x 180 mm x 41 mm skf 6317 bearing

Bearing No. 6317

6317 Bearing 2D drawings and 3D CAD models

|   |                          |
|---|--------------------------|
| Size                                      | 180x85x41 mm             |
| Bore Diameter                             | 180 mm                   |
| Outer Diameter                            | 85 mm                    |
| Width                                     | 41 mm                    |
| d   | 85 mm                    |
| D   | 180 mm                   |
| B   | 41 mm                    |
| d <sub>1</sub>                            | 114.55 mm                |
| D <sub>2</sub>                            | 155.4 mm                 |
| r <sub>1,2</sub> - min.                   | 3 mm                     |
| d <sub>a</sub> - min.                     | 99 mm                    |
| D <sub>a</sub> - max.                     | 166 mm                   |
| r <sub>a</sub> - max.                     | 2.5 mm                   |
| Basic dynamic load rating - C             | 140 kN                   |
| Basic static load rating - C <sub>0</sub> | 96.5 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 3.6 kN                   |
| Reference speed                           | 8000 r/min               |
| Limiting speed                            | 5000 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.03                     |
| Calculation factor - f <sub>0</sub>       | 13.3                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 1.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 4.3                      |



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|                                 |   |
|---------------------------------|---|
| EAN                             | 7316570154702   |
| 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                | 85MM Bore; 180MM Outside Diameter; 41MM 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        | 6317  |
| Weight / LBS                    | 9.46  |
| Outer Race Width                | 1.614 Inch   41 Millimeter  |
| Bore                            | 3.346 Inch   85 Millimeter  |
| Outside Diameter                | 7.087 Inch   180 Millimeter   |
| d <sub>1</sub>                  | 114.55 mm   |
| D <sub>2</sub>                  | 155.4 mm  |
| r <sub>1,2</sub> min.           | 3 mm  |
| d <sub>a</sub> min.             | 99 mm   |
|                                 |   |



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|   |         |
|---|---------|
| D <sub>a</sub> max.                     | 166 mm  |
| r <sub>a</sub> max.                     | 2.5 mm  |
| Basic dynamic load rating C             | 140 kN  |
| Basic static load rating C <sub>0</sub> | 96.5 kN |
| Fatigue load limit P <sub>u</sub>       | 3.55 kN |
| Calculation factor k <sub>r</sub>       | 0.03    |
| Calculation factor f <sub>0</sub>       | 13.3    |
| Mass bearing                            | 4.25 kg |