



# GARLOCK BEARINGS LTD



## 85 mm x 180 mm x 41 mm SKF 7317 BECBF Angular Contact Ball Bearings

Bearing No. 7317 BECBF

7317 BECBF Bearing 2D drawings and 3D CAD models

|                                 |  |
|---------------------------------|--|
| Category                        | Angular Contact Ball Bearings  |
| Inventory                       | 0.0  |
| Manufacturer Name               | SKF  |
| Minimum Buy Quantity            | N/A  |
| Weight                          | 4.76   |
| Product Group                   | B00308   |
| Enclosure                       | Open   |
| Flush Ground                    | Yes  |
| Rolling Element                 | Ball Bearing   |
| Number of Rows of Balls         | Single Row   |
| Precision Class                 | ABEC 3   ISO P6  |
| Maximum Capacity / Filling Slot | No   |
| Snap Ring                       | No   |
| Cage Material                   | Steel  |
| Contact Angle                   | 40 Degree  |
| Internal Clearance              | CB   |
| Number of Bearings              | 1 (Single)   |
| Mounting Arrangement            | Universal  |
| Inch - Metric                   | Metric   |
| Long Description                | 85MM Bore; 180MM Outside Diameter; 41MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |



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| Other Features                | Normal Axial Internal Clearance                     |
|-------------------------------|---|
| Category                      | Angular Contact Ball Bearing                        |
| UNSPSC                        | 31171531  |
| Harmonized Tariff Code        | 8482.10.50.28                                       |
| Noun                          | Bearing   |
| Keyword String                | Angular Contact                                     |
| Manufacturer URL              | <a href="http://www.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number      | 7317 BECBF  |
| Weight / LBS                  | 10.483  |
| d                             | 3.346 Inch   85 Millimeter                          |
| D                             | 7.087 Inch   180 Millimeter                         |
| B                             | 1.614 Inch   41 Millimeter                          |
| bore diameter:                | 85 mm   |
| operating temperature range:  | 257 ° F   |
| outside diameter:             | 180 mm  |
| cage material:                | Steel   |
| overall width:                | 41 mm   |
| maximum rpm:                  | 4300 rpm  |
| contact angle:                | 40 °  |
| finish/coating:               | Uncoated  |
| bore type:                    | Round   |
| fillet radius:                | 3 mm  |
| closure type:                 | Open  |
| series:                       | 73  |
| bearing material:             | Steel   |
| weight:                       | 9.81 lbs  |
| radial dynamic load capacity: | 146 kN  |
| manufacturer product page:    | <a href="#">Click here</a>                          |
| radial static load capacity:  | 122 kN  |
|                               |   |



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|   |               |
|---|---------------|
| manufacturer upc number:                | 7316577151056 |
| d                                       | 85 mm         |
| D                                       | 180 mm        |
| B                                       | 41 mm         |
| d <sub>1</sub>                          | 122.3 mm      |
| d <sub>2</sub>                          | 103.03 mm     |
| D <sub>1</sub>                          | 144.95 mm     |
| a                                       | 76 mm         |
| r <sub>1,2</sub> min.                   | 3 mm          |
| r <sub>3,4</sub> min.                   | 1.1 mm        |
| d <sub>a</sub> min.                     | 99 mm         |
| D <sub>a</sub> max.                     | 166 mm        |
| D <sub>b</sub> max.                     | 173 mm        |
| r <sub>a</sub> max.                     | 2.5 mm        |
| r <sub>b</sub> max.                     | 1 mm          |
| Basic dynamic load rating C             | 146 kN        |
| Basic static load rating C <sub>0</sub> | 122 kN        |
| Fatigue load limit P <sub>u</sub>       | 4.5 kN        |
| Reference speed                         | 4500 r/min    |
| Limiting speed                          | 4300 r/min    |
| Calculation factor A                    | 0.27          |
| Calculation factor k <sub>r</sub>       | 0.1           |
| Calculation factor e                    | 1.14          |
| Calculation factor X                    | 0.35          |
| Calculation factor Y <sub>0</sub>       | 0.26          |
| Calculation factor Y <sub>2</sub>       | 0.57          |
| Calculation factor X                    | 0.57          |
| Calculation factor Y <sub>0</sub>       | 0.52          |
| Calculation factor Y <sub>1</sub>       | 0.55          |
| Calculation factor Y <sub>2</sub>       | 0.93          |
| Mass bearing                            | 4.45 kg       |