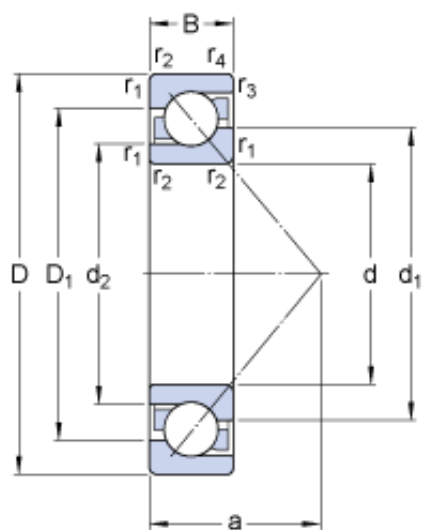




Bearing No. 7312 BECBP

|                |                              |
|----------------|------------------------------|
| a              | 55 mm                        |
| d              | 60 mm                        |
| D              | 130 mm                       |
| B              | 31 mm                        |
| Noun           | Bearing                      |
| Bore           | 2.362 Inch   60 Millimeter   |
| Width          | 1.22 Inch   31 Millimeter    |
| UNSPSC         | 31171531                     |
| series:        | 73                           |
| Category       | Angular Contact Ball Bearing |
| Enclosure      | Open                         |
| Snap Ring      | No                           |
| Size (mm)      | 130x60x31                    |
| Inventory      | 0.0                          |
| Width (mm)     | 31                           |
| Weight / LBS   | 3.766                        |
| maximum rpm:   | 6700 RPM                     |
| Flush Ground   | Yes                          |
| Mass bearing   | 1.75 kg                      |
| Contact Angle  | 40 Degree                    |
| Cage Material  | Polymer                      |
| closure type:  | Open                         |
| Product Group  | B00308                       |
| Inch - Metric  | Metric                       |
| d <sub>2</sub> | 72.6 mm                      |
| d <sub>1</sub> | 87.25 mm                     |
| D <sub>1</sub> | 104.8 mm                     |
| Other Features | Normal Axial Internal        |

|                     |                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Clearance                                                                                                                                                |
| fillet radius:      | 2 mm                                                                                                                                                     |
| contact angle:      | 40 °                                                                                                                                                     |
| overall width:      | 31 mm                                                                                                                                                    |
| cage material:      | Nylon                                                                                                                                                    |
| bore diameter:      | 60 mm                                                                                                                                                    |
| Keyword String      | Angular Contact                                                                                                                                          |
| Bearing number      | 7312 BECBP                                                                                                                                               |
| Limiting speed      | 6700 r/min                                                                                                                                               |
| finish/coating:     | Uncoated                                                                                                                                                 |
| Rolling Element     | Ball Bearing                                                                                                                                             |
| Precision Class     | ABEC 3   ISO P6                                                                                                                                          |
| Reference speed     | 6700 r/min                                                                                                                                               |
| Long Description    | 60MM Bore; 130MM Outside Diameter; 31MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |
| Outside Diameter    | 5.118 Inch   130 Millimeter                                                                                                                              |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                      |
| Weight / Kilogram   | 1.71                                                                                                                                                     |
| precision rating:   | ABEC 3 (ISO Class 6)                                                                                                                                     |
| outside diameter:   | 130 mm                                                                                                                                                   |
| Manufacturer Name   | SKF                                                                                                                                                      |
| outer ring width:   | 31 mm                                                                                                                                                    |
| d <sub>a</sub> min. | 72 mm                                                                                                                                                    |
| Number of Bearings  | 1 (Single)                                                                                                                                               |
| Bore Diameter (mm)  | 130                                                                                                                                                      |
| r <sub>b</sub> max. | 1 mm                                                                                                                                                     |
| r <sub>a</sub> max. | 2 mm                                                                                                                                                     |
| Internal Clearance  | CB                                                                                                                                                       |

|                              |                          |
|------------------------------|--------------------------|
| D <sub>b</sub> max.          | 123 mm                   |
| D <sub>a</sub> max.          | 118 mm                   |
| internal clearance:          | C0                       |
| Outer Diameter (mm)          | 60                       |
| r <sub>1,2</sub> min.        | 2.1 mm                   |
| Calculation factor A         | 0.0846                   |
| Calculation factor e         | 1.14                     |
| Calculation factor X         | 0.57                     |
| Mounting Arrangement         | Universal                |
| r <sub>3,4</sub> min.        | 1.1 mm                   |
| r <sub>b</sub> - max.        | 1 mm                     |
| r <sub>a</sub> - max.        | 2 mm                     |
| D <sub>b</sub> - max.        | 123 mm                   |
| d <sub>a</sub> - min.        | 72 mm                    |
| Minimum Buy Quantity         | N/A                      |
| D <sub>a</sub> - max.        | 118 mm                   |
| D <sub>1</sub> ?             | 104.8 mm                 |
| d <sub>2</sub> ?             | 72.6 mm                  |
| d <sub>1</sub> ?             | 87.25 mm                 |
| row type & fill slot:        | Single-Row Non-Fill Slot |
| Calculation factor - X       | 0.35                     |
| Calculation factor - e       | 1.14                     |
| r <sub>1,2</sub> - min.      | 2.1 mm                   |
| r <sub>3,4</sub> - min.      | 1.1 mm                   |
| Harmonized Tariff Code       | 8482.10.50.28            |
| Number of Rows of Balls      | Single Row               |
| Manufacturer Item Number     | 7312 BECBP               |
| Basic dynamic load rating C  | 104 kN                   |
| radial static load capacity: | 76.5 kN                  |
| radial dynamic load          | 104 kN                   |

|                                  |         |
|----------------------------------|---------|
| capacity:                        |         |
| Basic dynamic load rating - C    | 104 kN  |
| Maximum Capacity / Filling Slot  | No      |
| Calculation factor $Y_0$         | 0.52    |
| Calculation factor $Y_2$         | 0.93    |
| Calculation factor $Y_1$         | 0.55    |
| Calculation factor $k_r$         | 0.1     |
| Fatigue load limit $P_u$         | 3.2 kN  |
| Calculation factor - $k_r$       | 0.1     |
| Calculation factor - $Y_0$       | 0.26    |
| Fatigue load limit - $P_u$       | 3.2 kN  |
| Calculation factor - $Y_1$       |         |
| Calculation factor - $Y_2$       | 0.57    |
| Calculation factor - $k_a$       | 1.6     |
| Basic static load rating $C_0$   | 76.5 kN |
| Basic static load rating - $C_0$ | 76.5 kN |