



# PCIF BEARING LIMITED



55 mm x 120 mm x 29 mm skf 7311 bep bearing

Bearing No. 7311 bep

7311 bep Bearing 2D drawings and 3D CAD models

|                                 |   |
|---------------------------------|---|
| Category                        | Angular Contact Ball Bearings   |
| Inventory                       | 0.0   |
| Manufacturer Name               | SKF   |
| Minimum Buy Quantity            | N/A   |
| Weight                          | 1.34  |
| EAN                             | 7316576634444   |
| Product Group                   | B00308  |
| Enclosure                       | Open  |
| Flush Ground                    | No  |
| 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                   | Polymer   |
| Contact Angle                   | 40 Degree   |
| Internal Clearance              | C0-Medium   |
| Number of Bearings              | 1 (Single)  |
| Inch - Metric                   | Metric  |
| Long Description                | 55MM Bore; 120MM Outside Diameter; 29MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |
| Category                        | Angular Contact Ball  |



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|                               |   |
|-------------------------------|---|
|                               | 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      | 7311 BEP  |
| Weight / LBS                  | 2.95  |
| D                             | 4.724 Inch   120 Millimeter                         |
| B                             | 1.142 Inch   29 Millimeter                          |
| d                             | 2.165 Inch   55 Millimeter                          |
| bore diameter:                | 55 mm   |
| radial static load capacity:  | 55 kN   |
| outside diameter:             | 120 mm  |
| cage material:                | Nylon   |
| overall width:                | 29 mm   |
| outer ring width:             | 29 mm   |
| contact angle:                | 40 °  |
| maximum rpm:                  | 6700 RPM  |
| row type & fill slot:         | Single-Row Non-Fill Slot                            |
| finish/coating:               | Uncoated  |
| internal clearance:           | C0  |
| precision rating:             | Not Rated   |
| closure type:                 | Open  |
| fillet radius:                | 2 mm  |
| radial dynamic load capacity: | 79.3 kN   |
| series:                       | 73  |
| d                             | 55 mm   |
| D                             | 120 mm  |
| B                             | 29 mm   |
| d <sub>1</sub>                | 80.3 mm   |
| d <sub>2</sub>                | 66.66 mm  |



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|                                |            |
|--------------------------------|------------|
| $D_1$                          | 96.6 mm    |
| a                              | 51 mm      |
| $r_{1,2}$ min.                 | 2 mm       |
| $r_{3,4}$ min.                 | 1 mm       |
| $d_a$ min.                     | 66 mm      |
| $D_a$ max.                     | 109 mm     |
| $D_b$ max.                     | 114 mm     |
| $r_a$ max.                     | 2 mm       |
| $r_b$ max.                     | 1 mm       |
| Basic dynamic load rating C    | 79.3 kN    |
| Basic static load rating $C_0$ | 55 kN      |
| Fatigue load limit $P_u$       | 2.32 kN    |
| Reference speed                | 7000 r/min |
| Limiting speed                 | 6700 r/min |
| Calculation factor A           | 0.0574     |
| Calculation factor $k_r$       | 0.1        |
| Calculation factor e           | 1.14       |
| Calculation factor X           | 0.35       |
| Calculation factor $Y_0$       | 0.26       |
| Calculation factor $Y_2$       | 0.57       |
| Calculation factor X           | 0.57       |
| Calculation factor $Y_0$       | 0.52       |
| Calculation factor $Y_1$       | 0.55       |
| Calculation factor $Y_2$       | 0.93       |
| Mass bearing                   | 1.4 kg     |