



## Bearing No. 311

|               |                            |
|---------------|----------------------------|
| D             | 120 mm                     |
| d             | 55 mm                      |
| B             | 29 mm                      |
| C             | 29 mm                      |
| d1            | 75,3 mm                    |
| D2            | 104 mm                     |
| Bore          | 2.165 Inch   55 Millimeter |
| Noun          | Bearing                    |
| da max        | 75,2 mm                    |
| UNSPSC        | 31171504                   |
| Weight        | 1,5 Kg                     |
| ra max.       | 2 mm                       |
| Da max.       | 109 mm                     |
| da min.       | 66 mm                      |
| r2 min.       | 2 mm                       |
| r1 min.       | 2 mm                       |
| series:       | 31                         |
| Category      | Single Row Ball Bearing    |
| Size (mm)     | 55x120x29                  |
| Snap Ring     | No                         |
| Inventory     | 0.0                        |
| Enclosure     | Open                       |
| Width (mm)    | 29                         |
| bore type:    | Round                      |
| Weight / LBS  | 3.52                       |
| maximum rpm:  | 6300 RPM                   |
| Mass bearing  | 1.5 kg                     |
| Cage Material | Steel                      |
| Product Group | B00308                     |
|               |                            |

|                   |   |
|-------------------|---|
| closure type:     | Open  |
| Inch - Metric     | Metric  |
| bore diameter:    | 55 mm   |
| Keyword String    | Ball  |
| overall width:    | 29 mm   |
| cage material:    | Steel   |
| fillet radius:    | 2 mm  |
| Bearing number    | 311   |
| Limiting speed    | 6300 r/min  |
| Reference speed   | 10000 r/min   |
| Rolling Element   | Ball Bearing  |
| finish/coating:   | Uncoated  |
| Precision Class   | ABEC 1   ISO P0   |
| Outside Diameter  | 4.724 Inch   120<br>Millimeter  |
| Outer Race Width  | 1.142 Inch   29<br>Millimeter   |
| Long Description  | 55MM Bore; 120MM<br>Outside Diameter;<br>29MM Outer Race<br>Diameter; Open; Ball<br>Bearing; ABEC 1   ISO<br>P0; Yes Filling Slot; No<br>Snap Ring; No Internal<br>Special Features |
| Manufacturer URL  | <a href="http://www.skf.com">http://www.skf.com</a>   |
| Weight / Kilogram | 1.6   |
| outer ring width: | 29 mm   |
| Manufacturer Name | SKF   |
| precision rating: | ABEC 1 (ISO Class<br>Normal)  |
| outside diameter: | 120 mm  |
| da min.           | 66 mm   |
| Da max.           | 109 mm  |
| ra max.           | 2 mm  |
|                   |   |

|                                 |   |
|---------------------------------|---|
| Bore Diameter (mm)              | 55  |
| Internal Clearance              | C0-Medium   |
| Outer Diameter (mm)             | 120   |
| internal clearance:             | C0  |
| Minimum Buy Quantity            | N/A   |
| r1,2 min.                       | 2 mm  |
| d1 ?                            | 75.34 mm  |
| D2 ?                            | 103.7 mm  |
| row type & fill slot:           | Single Row Filling Slot                             |
| static load capacity:           | 67 kN   |
| Harmonized Tariff Code          | 8482.10.50.68                                       |
| dynamic load capacity:          | 79.2 kN   |
| Fatigue load limit (Pu)         | 2,85  |
| Manufacturer Item Number        | 311   |
| Internal Special Features       | No  |
| thrust application warning:     | This product can not be used in Thrust Applications |
| Basic dynamic load rating C     | 79.2 kN   |
| Basic dynamic load rating (C)   | 79,2 kN   |
| Basic static load rating (C0)   | 67 kN   |
| Maximum Capacity / Filling Slot | Yes   |
| Fatigue load limit Pu           | 2.85 kN   |
| Calculation factor kr           | 0.05  |
| Basic static load rating C0     | 67 kN   |