



# ISOSTATIC BEARING LIMITED



305256 D Bearing 2D drawings and 3D CAD models

## 120 mm x 190 mm x 66 mm SKF 305256 D Angular Contact Ball Bearings

Bearing No. 305256 D

|                                 |  |
|---------------------------------|--|
| Category                        | Angular Contact Ball Bearings  |
| Inventory                       | 0.0  |
| Manufacturer Name               | SKF  |
| Minimum Buy Quantity            | N/A  |
| Weight                          | 7.24   |
| EAN                             | 7316577007995  |
| Product Group                   | B00152   |
| Enclosure                       | Open   |
| Flush Ground                    | No   |
| Rolling Element                 | Ball Bearing   |
| Number of Rows of Balls         | Double Row   |
| Precision Class                 | ABEC 1   ISO P0  |
| Maximum Capacity / Filling Slot | No   |
| Snap Ring                       | No   |
| Cage Material                   | Steel  |
| Internal Clearance              | C0-Medium  |
| Number of Bearings              | 1 (Single)   |
| Inch - Metric                   | Metric   |
| Long Description                | 120MM Bore; 190MM Outside Diameter; 66MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 1 |



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|   |   |
|---|---|
|   | (Single)  |
| Other Features                          | Two Piece Bearing                                   |
| 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                | 305256 D  |
| Weight / LBS                            | 15.60871  |
| d                                       | 4.724 Inch   120 Millimeter                         |
| D                                       | 7.48 Inch   190 Millimeter                          |
| B                                       | 2.598 Inch   66 Millimeter                          |
| d                                       | 120 mm  |
| D                                       | 190 mm  |
| B                                       | 66 mm   |
| d <sub>1</sub>                          | 145.1 mm  |
| D <sub>1</sub>                          | 172.1 mm  |
| b                                       | 11.6 mm   |
| K                                       | 4.5 mm  |
| r <sub>1,2</sub> min.                   | 2 mm  |
| a                                       | 85 mm   |
| d <sub>a</sub> min.                     | 125 mm  |
| D <sub>a</sub> max.                     | 170 mm  |
| r <sub>a</sub> max.                     | 2 mm  |
| Basic dynamic load rating C             | 182 kN  |
| Basic static load rating C <sub>0</sub> | 232 kN  |
| Fatigue load limit P <sub>u</sub>       | 8 kN  |
| Reference speed                         | 3400 r/min  |
| Limiting speed                          | 3600 r/min  |
| Calculation factor k <sub>r</sub>       | 0.095   |
| Calculation factor e                    | 0.86  |



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|                          |         |
|--------------------------|---------|
| Calculation factor X     | 0.62    |
| Calculation factor $Y_0$ | 0.63    |
| Calculation factor $Y_1$ | 0.73    |
| Calculation factor $Y_2$ | 1.17    |
| Mass bearing             | 7.08 kg |