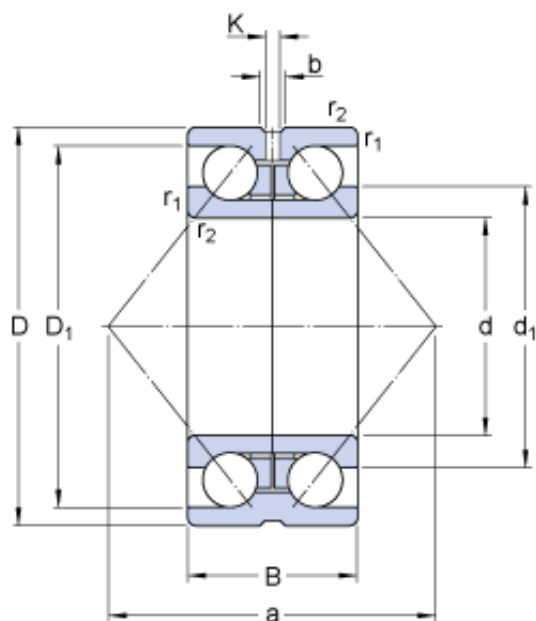




Bearing No. 305272 D

|                |                              |
|----------------|------------------------------|
| a              | 146 mm                       |
| d              | 220 mm                       |
| D              | 309.5 mm                     |
| B              | 76 mm                        |
| b              | 22 mm                        |
| K              | 7.5 mm                       |
| Noun           | Bearing                      |
| Bore           | 8.661 Inch   220 Millimeter  |
| Width          | 2.992 Inch   76 Millimeter   |
| UNSPSC         | 31171531                     |
| Category       | Angular Contact Ball Bearing |
| Enclosure      | Open                         |
| Size (mm)      | 309.5x220x76                 |
| Snap Ring      | No                           |
| Inventory      | 0.0                          |
| Width (mm)     | 76                           |
| Weight / LBS   | 38.91154                     |
| Flush Ground   | No                           |
| Mass bearing   | 17.6 kg                      |
| Inch - Metric  | Metric                       |
| Cage Material  | Steel                        |
| D <sub>1</sub> | 286 mm                       |
| d <sub>1</sub> | 252.5 mm                     |
| Product Group  | B00152                       |
| Keyword String | Angular Contact              |
| Other Features | Two Piece Bearing            |
| Bearing number | 305272 D                     |
| Limiting speed | 2000 r/min                   |

|                        |                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rolling Element        | Ball Bearing                                                                                                                                                                                  |
| Reference speed        | 1700 r/min                                                                                                                                                                                    |
| Precision Class        | ABEC 1   ISO P0                                                                                                                                                                               |
| Long Description       | 220MM Bore; 309.5MM Outside Diameter; 76MM 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 (Single) |
| Outside Diameter       | 12.185 Inch   309.5 Millimeter                                                                                                                                                                |
| Manufacturer URL       | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                           |
| Manufacturer Name      | SKF                                                                                                                                                                                           |
| Weight / Kilogram      | 18.016                                                                                                                                                                                        |
| D <sub>a</sub> max.    | 284 mm                                                                                                                                                                                        |
| d <sub>a</sub> min.    | 225 mm                                                                                                                                                                                        |
| r <sub>a</sub> max.    | 2.1 mm                                                                                                                                                                                        |
| Bore Diameter (mm)     | 309,5                                                                                                                                                                                         |
| Internal Clearance     | C0-Medium                                                                                                                                                                                     |
| Number of Bearings     | 1 (Single)                                                                                                                                                                                    |
| Outer Diameter (mm)    | 220                                                                                                                                                                                           |
| D <sub>a</sub> - max.  | 284 mm                                                                                                                                                                                        |
| Calculation factor e   | 0.86                                                                                                                                                                                          |
| Calculation factor X   | 0.62                                                                                                                                                                                          |
| r <sub>1,2</sub> min.  | 2.1 mm                                                                                                                                                                                        |
| d <sub>a</sub> - min.  | 225 mm                                                                                                                                                                                        |
| Minimum Buy Quantity   | N/A                                                                                                                                                                                           |
| r <sub>a</sub> - max.  | 2.1 mm                                                                                                                                                                                        |
| d <sub>1</sub> ?       | 252.5 mm                                                                                                                                                                                      |
| D <sub>1</sub> ?       | 286 mm                                                                                                                                                                                        |
| Calculation factor - X | 0.62                                                                                                                                                                                          |
| Calculation factor - e | 0.86                                                                                                                                                                                          |

|                                  |               |
|----------------------------------|---------------|
| Harmonized Tariff Code           | 8482.10.50.28 |
| $r_{1,2}$ - min.                 | 2.1 mm        |
| Number of Rows of Balls          | Double Row    |
| Manufacturer Item Number         | 305272 D      |
| Basic dynamic load rating C      | 312 kN        |
| Basic dynamic load rating - C    | 312 kN        |
| Maximum Capacity / Filling Slot  | No            |
| Calculation factor $Y_0$         | 0.63          |
| Calculation factor $Y_1$         | 0.73          |
| Calculation factor $Y_2$         | 1.17          |
| Fatigue load limit $P_u$         | 13.4 kN       |
| Calculation factor $k_r$         | 0.095         |
| Calculation factor - $Y_0$       | 0.63          |
| Calculation factor - $k_r$       | 0.095         |
| Fatigue load limit - $P_u$       | 13.4 kN       |
| Calculation factor - $Y_1$       | 0.73          |
| Calculation factor - $Y_2$       | 1.17          |
| Basic static load rating $C_0$   | 520 kN        |
| Basic static load rating - $C_0$ | 520 kN        |