



Bearing No. BTW 150 CM/SP

|                |   |
|----------------|---|
| D              | 225 mm                                      |
| d              | 150 mm                                      |
| H              | 90 mm                                       |
| 2C             | 45 mm                                       |
| Noun           | Bearing                                     |
| Bore           | 5.906 Inch   150 Millimeter                 |
| Width          | 3.543 Inch   90 Millimeter                  |
| UNSPSC         | 31171531                                    |
| Preload        | 1015 N                                      |
| Category       | Precision Ball Bearings                     |
| Inventory      | 0.0   |
| Enclosure      | Open  |
| Size (mm)      | 150x225x90                                  |
| Keyword 3      | Thrust                                      |
| Width (mm)     | 90  |
| Weight / LBS   | 23.14851                                    |
| Flush Ground   | No  |
| Mass bearing   | 10.6 kg                                     |
| Product Group  | B00308                                      |
| Inch - Metric  | Metric                                      |
| Cage Material  | Brass                                       |
| Raceway Style  | Not Applicable                              |
| Contact Angle  | 60 Degree                                   |
| d <sub>1</sub> | 193.7 mm                                    |
| d <sub>1</sub> | 193.7 mm                                    |
| Keyword String | Ball Angular Contact Thrust                 |
| Other Features | Double Row   Angular Contact Thrust Bearing |

|                       |  |
|-----------------------|--|
|                       | Double Direction   |
| Bearing number        | BTW 150 CM/SP  |
| G <sub>ref</sub>      | 55.8 cm  |
| Precision Class       | ABEC 5   ISO P5  |
| Material - Ball       | Steel  |
| Rolling Element       | Ball Bearing   |
| Manufacturer URL      | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Outside Diameter      | 8.858 Inch   225 Millimeter  |
| Long Description      | 150MM Bore; 225MM Outside Diameter; 90MM Width; Open Enclosure; ABEC 5   ISO P5 Precision; Steel Ball Material; 1 (Single) Bearing; 60 Degree Contact Angle; Brass Cage Material; Ball Bearing |
| Weight / Kilogram     | 0  |
| Manufacturer Name     | SKF  |
| r <sub>b</sub> max.   | 1 mm   |
| r <sub>a</sub> max.   | 2 mm   |
| D <sub>a</sub> max.   | 213 mm   |
| D <sub>a</sub> min.   | 212.4 mm   |
| d <sub>a</sub> min.   | 178 mm   |
| Bore Diameter (mm)    | 150  |
| Number of Bearings    | 1 (Single)   |
| Outer Diameter (mm)   | 225  |
| Minimum Buy Quantity  | N/A  |
| r <sub>3,4</sub> min. | 1 mm   |
| D <sub>a</sub> - min. | 212.4 mm   |
| d <sub>a</sub> - min. | 178 mm   |
| r <sub>a</sub> - max. | 2 mm   |
| r <sub>b</sub> - max. | 1 mm   |

|  |                      |
|--|----------------------|
| $D_a$ - max.                             | 213 mm               |
| $r_{1,2}$ min.                           | 2.1 mm               |
| Static Axial rigidity                    | 1125 N/micron        |
| Static axial stiffness                   | 1125 N/ $\mu$ m      |
| Harmonized Tariff Code                   | 8482.10.50.28        |
| $r_{3,4}$ - min.                         | 1 mm                 |
| $r_{1,2}$ - min.                         | 2.1 mm               |
| Basic dynamic load rating C              | 127 kN               |
| Basic dynamic load rating - C            | 127 kN               |
| Fatigue load limit $P_u$                 | 15.3 kN              |
| Fatigue load limit - $P_u$               | 15.3 kN              |
| Limiting speed for oil lubrication       | 3600 mm/min          |
| Limiting speed for grease lubrication    | 3000 r/min           |
| Basic static load rating $C_0$           | 440 kN               |
| Attainable speed for grease lubrication  | 3000 r/min           |
| Attainable speed for oil-air lubrication | 3600 r/min           |
| Basic static load rating - $C_0$         | 440 kN               |
| Reference grease quantity $G_{ref}$      | 55.8 cm <sup>3</sup> |