



**Bearing No. 7313 BEGAP**

|                |                              |
|----------------|------------------------------|
| D              | 140 mm                       |
| d              | 65 mm                        |
| B              | 33 mm                        |
| a              | 60 mm                        |
| Bore           | 2.559 Inch   65 Millimeter   |
| Noun           | Bearing                      |
| Width          | 1.299 Inch   33 Millimeter   |
| UNSPSC         | 31171531                     |
| Preload        | Light                        |
| series:        | 73                           |
| Category       | Angular Contact Ball Bearing |
| Size (mm)      | 140x65x33                    |
| Enclosure      | Open                         |
| Snap Ring      | No                           |
| Inventory      | 0.0                          |
| Width (mm)     | 33                           |
| Weight / LBS   | 4.63                         |
| Flush Ground   | Yes                          |
| Mass bearing   | 2.15 kg                      |
| maximum rpm:   | 6300 RPM                     |
| Product Group  | B00308                       |
| Inch - Metric  | Metric                       |
| closure type:  | Open                         |
| Contact Angle  | 40 Degree                    |
| Cage Material  | Polymer                      |
| D <sub>1</sub> | 112.85 mm                    |
| d <sub>2</sub> | 78.45 mm                     |
| d <sub>1</sub> | 94.15 mm                     |

|                     |  |
|---------------------|--|
| cage material:      | Nylon  |
| Keyword String      | Angular Contact  |
| overall width:      | 33 mm  |
| contact angle:      | 40 °   |
| fillet radius:      | 2 mm   |
| bore diameter:      | 65 mm  |
| Bearing number      | 7313 BEGAP   |
| Limiting speed      | 6300 r/min   |
| finish/coating:     | Uncoated   |
| Rolling Element     | Ball Bearing   |
| Precision Class     | ABEC 3   ISO P6  |
| Reference speed     | 6300 r/min   |
| Long Description    | 65MM Bore; 140MM Outside Diameter; 33MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |
| Outside Diameter    | 5.512 Inch   140 Millimeter  |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Weight / Kilogram   | 2.1  |
| precision rating:   | ABEC 3 (ISO Class 6)   |
| outside diameter:   | 140 mm   |
| outer ring width:   | 33 mm  |
| Manufacturer Name   | SKF  |
| Bore Diameter (mm)  | 140  |
| r <sub>b</sub> max. | 1 mm   |
| r <sub>a</sub> max. | 2 mm   |
| D <sub>b</sub> max. | 133 mm   |
| D <sub>a</sub> max. | 128 mm   |
| d <sub>a</sub> min. | 77 mm  |
|                     |  |

|                              |                          |
|------------------------------|--------------------------|
| Number of Bearings           | 1 (Single)               |
| Internal Clearance           | C0-Medium                |
| Outer Diameter (mm)          | 65                       |
| internal clearance:          | C0                       |
| $D_a$ - max.                 | 128 mm                   |
| Calculation factor A         | 0.112                    |
| $r_{1,2}$ min.               | 2.1 mm                   |
| $d_a$ - min.                 | 77 mm                    |
| Minimum Buy Quantity         | N/A                      |
| Mounting Arrangement         | Universal                |
| $r_{3,4}$ min.               | 1.1 mm                   |
| $r_a$ - max.                 | 2 mm                     |
| $r_b$ - max.                 | 1 mm                     |
| Calculation factor X         | 0.57                     |
| Calculation factor e         | 1.14                     |
| $D_b$ - max.                 | 133 mm                   |
| $d_1$ ?                      | 94.15 mm                 |
| row type & fill slot:        | Single-Row Non-Fill Slot |
| $D_1$ ?                      | 112.85 mm                |
| $d_2$ ?                      | 78.45 mm                 |
| Harmonized Tariff Code       | 8482.10.50.28            |
| Calculation factor - X       | 0.35                     |
| Calculation factor - e       | 1.14                     |
| $r_{1,2}$ - min.             | 2.1 mm                   |
| $r_{3,4}$ - min.             | 1.1 mm                   |
| Number of Rows of Balls      | Single Row               |
| Manufacturer Item Number     | 7313 BEGAP               |
| Basic dynamic load rating C  | 116 kN                   |
| radial static load capacity: | 86.5 kN                  |
| radial dynamic load          | 116 kN                   |

|                                  |         |
|----------------------------------|---------|
| capacity:                        |         |
| Basic dynamic load rating - C    | 116 kN  |
| Maximum Capacity / Filling Slot  | No      |
| Calculation factor $Y_0$         | 0.52    |
| Calculation factor $Y_2$         | 0.93    |
| Calculation factor $Y_1$         | 0.55    |
| Calculation factor $k_r$         | 0.1     |
| Fatigue load limit $P_u$         | 3.65 kN |
| Fatigue load limit - $P_u$       | 3.6 kN  |
| Calculation factor - $k_a$       | 1.6     |
| Calculation factor - $k_r$       | 0.1     |
| Calculation factor - $Y_1$       |         |
| Calculation factor - $Y_2$       | 0.57    |
| Calculation factor - $Y_0$       | 0.26    |
| Basic static load rating $C_0$   | 86.5 kN |
| Basic static load rating - $C_0$ | 86.5 kN |