



# DGB BEARING IMPORTED LTD



10 mm x 30 mm x 9 mm skf 7200 BECBP Single row angular contact ball bearings

Bearing No. 7200 BECBP

7200 BECBP Bearing 2D drawings and 3D CAD models

|   |             |
|---|-------------|
| Size                                      | 30x10x9 mm  |
| Bore Diameter                             | 30 mm       |
| Outer Diameter                            | 10 mm       |
| Width                                     | 9 mm        |
| d   | 10 mm       |
| D   | 30 mm       |
| B   | 9 mm        |
| d <sub>1</sub>                            | 18.3 mm     |
| d <sub>2</sub>                            | 14.57 mm    |
| D <sub>1</sub>                            | 22.85 mm    |
| a   | 13 mm       |
| r <sub>1,2</sub> - min.                   | 0.6 mm      |
| r <sub>3,4</sub> - min.                   | 0.3 mm      |
| d <sub>a</sub> - min.                     | 14.2 mm     |
| D <sub>a</sub> - max.                     | 25.8 mm     |
| D <sub>b</sub> - max.                     | 27.6 mm     |
| r <sub>a</sub> - max.                     | 0.6 mm      |
| r <sub>b</sub> - max.                     | 0.3 mm      |
| Basic dynamic load rating - C             | 7 kN        |
| Basic static load rating - C <sub>0</sub> | 3.4 kN      |
| Fatigue load limit - P <sub>u</sub>       | 0.14 kN     |
| Reference speed                           | 30000 r/min |
| Limiting speed                            | 30000 r/min |
| Calculation factor - k <sub>r</sub>       | 0.095       |



## DGB BEARING IMPORTED LTD

|                                 |                               |
|---------------------------------|-------------------------------|
| Calculation factor - $k_a$      | 1.4                           |
| Calculation factor - e          | 1.14                          |
| Calculation factor - X          | 0.57                          |
| Calculation factor - $Y_0$      | 0.52                          |
| Calculation factor - $Y_1$      | 0.55                          |
| Calculation factor - $Y_2$      | 0.93                          |
| Calculation factor - X          | 0.35                          |
| Calculation factor - $Y_0$      | 0.26                          |
| Calculation factor - $Y_1$      |                               |
| Calculation factor - $Y_2$      | 0.57                          |
| Category                        | Angular Contact Ball Bearings |
| Inventory                       | 0.0                           |
| Manufacturer Name               | SKF                           |
| Minimum Buy Quantity            | N/A                           |
| Weight / Kilogram               | 0.034                         |
| EAN                             | 7316577127914                 |
| Product Group                   | B00308                        |
| Enclosure                       | Open                          |
| Flush Ground                    | Yes                           |
| Rolling Element                 | Ball Bearing                  |
| Number of Rows of Balls         | Single Row                    |
| Precision Class                 | ABEC 3   ISO P6               |
| Maximum Capacity / Filling Slot | No                            |
| Snap Ring                       | No                            |
| Cage Material                   | Polymer                       |
| Contact Angle                   | 40 Degree                     |
| Internal Clearance              | CB                            |
| Number of Bearings              | 1 (Single)                    |
| Mounting Arrangement            | Universal                     |
| Inch - Metric                   | Metric                        |



## DGB BEARING IMPORTED LTD

|                              |  |
|------------------------------|--|
| Long Description             | 10MM Bore; 30MM Outside Diameter; 9MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |
| Other Features               | Normal Axial Internal Clearance  |
| 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     | 7200 BECBP   |
| Weight / LBS                 | 0.066  |
| Bore                         | 0.394 Inch   10 Millimeter   |
| Outside Diameter             | 1.181 Inch   30 Millimeter   |
| Width                        | 0.354 Inch   9 Millimeter  |
| bore diameter:               | 10 mm  |
| radial static load capacity: | 3.35 kN  |
| outside diameter:            | 30 mm  |
| cage material:               | Nylon  |
| overall width:               | 9 mm   |
| outer ring width:            | 9 mm   |
| contact angle:               | 40 °   |
| maximum rpm:                 | 30000 RPM  |
| row type & fill slot:        | Single-Row Non-Fill Slot   |
| finish/coating:              | Uncoated   |
| internal clearance:          | C0   |
| precision rating:            | Not Rated  |
| closure type:                | Open   |
| fillet radius:               | 0.6 mm   |



## DGB BEARING IMPORTED LTD

|                                |          |
|--------------------------------|----------|
| radial dynamic load capacity:  | 7.02 kN  |
| series:                        | 72       |
| $d_1$                          | 18.3 mm  |
| $d_2$                          | 14.57 mm |
| $D_1$                          | 22.85 mm |
| $r_{1,2}$ min.                 | 0.6 mm   |
| $r_{3,4}$ min.                 | 0.3 mm   |
| $d_a$ min.                     | 14.2 mm  |
| $D_a$ max.                     | 25.8 mm  |
| $D_b$ max.                     | 27.6 mm  |
| $r_a$ max.                     | 0.6 mm   |
| $r_b$ max.                     | 0.3 mm   |
| Basic dynamic load rating C    | 7.02 kN  |
| Basic static load rating $C_0$ | 3.35 kN  |
| Fatigue load limit $P_u$       | 0.14 kN  |
| Calculation factor A           | 0.000224 |
| Calculation factor $k_r$       | 0.095    |
| Calculation factor e           | 1.14     |
| Calculation factor X           | 0.35     |
| Calculation factor $Y_0$       | 0.26     |
| Calculation factor $Y_2$       | 0.57     |
| Calculation factor X           | 0.57     |
| Calculation factor $Y_0$       | 0.52     |
| Calculation factor $Y_1$       | 0.55     |
| Calculation factor $Y_2$       | 0.93     |
| Mass bearing                   | 0.03 kg  |