



# BROWNING BEARING COMPANY



180 mm x 225 mm x 22 mm skf 61836 bearing

Bearing No. 61836

61836 Bearing 2D drawings and 3D CAD models

|                                           |                          |
|-------------------------------------------|--------------------------|
| Size                                      | 225x180x22 mm            |
| Bore Diameter                             | 225 mm                   |
| Outer Diameter                            | 180 mm                   |
| Width                                     | 22 mm                    |
| d                                         | 180 mm                   |
| D                                         | 225 mm                   |
| B                                         | 22 mm                    |
| d <sub>1</sub>                            | 194.4 mm                 |
| D <sub>1</sub>                            | 210.6 mm                 |
| r <sub>1,2</sub> - min.                   | 1.1 mm                   |
| d <sub>a</sub> - min.                     | 186 mm                   |
| D <sub>a</sub> - max.                     | 219 mm                   |
| r <sub>a</sub> - max.                     | 1 mm                     |
| Basic dynamic load rating - C             | 62.4 kN                  |
| Basic static load rating - C <sub>0</sub> | 81.5 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 2.4 kN                   |
| Reference speed                           | 5600 r/min               |
| Limiting speed                            | 3400 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.015                    |
| Calculation factor - f <sub>0</sub>       | 17.2                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 2.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 1.834                    |



## BROWNING BEARING COMPANY

|                                 |                                                                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EAN                             | 7316577662576                                                                                                                                                                                         |
| Product Group                   | B00308                                                                                                                                                                                                |
| Enclosure                       | Open                                                                                                                                                                                                  |
| Precision Class                 | ABEC 1   ISO P0                                                                                                                                                                                       |
| Maximum Capacity / Filling Slot | No                                                                                                                                                                                                    |
| Rolling Element                 | Ball Bearing                                                                                                                                                                                          |
| Snap Ring                       | No                                                                                                                                                                                                    |
| Internal Special Features       | No                                                                                                                                                                                                    |
| Cage Material                   | Steel                                                                                                                                                                                                 |
| Internal Clearance              | C0-Medium                                                                                                                                                                                             |
| Inch - Metric                   | Metric                                                                                                                                                                                                |
| Long Description                | 180MM Bore; 225MM Outside Diameter; 22MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage |
| Other Features                  | Deep Groove                                                                                                                                                                                           |
| Category                        | Single Row Ball Bearing                                                                                                                                                                               |
| UNSPSC                          | 31171504                                                                                                                                                                                              |
| Harmonized Tariff Code          | 8482.10.50.68                                                                                                                                                                                         |
| Noun                            | Bearing                                                                                                                                                                                               |
| Keyword String                  | Ball                                                                                                                                                                                                  |
| Manufacturer URL                | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                   |
| Manufacturer Item Number        | 61836                                                                                                                                                                                                 |
| Weight / LBS                    | 4.039                                                                                                                                                                                                 |
| Outer Race Width                | 0.866 Inch   22 Millimeter                                                                                                                                                                            |
| Bore                            | 7.087 Inch   180 Millimeter                                                                                                                                                                           |
| Inner Race Width                | 0 Inch   0 Millimeter                                                                                                                                                                                 |
| Outside Diameter                | 8.858 Inch   225 Millimeter                                                                                                                                                                           |
| bore diameter:                  | 180 mm                                                                                                                                                                                                |



## BROWNING BEARING COMPANY

|                                |                            |
|--------------------------------|----------------------------|
| static load capacity:          | 81.5 kN                    |
| outside diameter:              | 225 mm                     |
| finish/coating:                | Uncoated                   |
| overall width:                 | 22 mm                      |
| bearing material:              | Steel                      |
| bore type:                     | Round                      |
| cage material:                 | Steel                      |
| closure type:                  | Open                       |
| fillet radius:                 | 1.1 mm                     |
| row type & fill slot:          | Single Row Non-Fill Slot   |
| maximum rpm:                   | 5600 rpm                   |
| snap ring included:            | Without Snap Ring          |
| weight:                        | 3.82 lbs                   |
| operating temperature range:   | -40 to 212 ° F ° F         |
| manufacturer product page:     | <a href="#">Click here</a> |
| dynamic load capacity:         | 62.4 kN                    |
| manufacturer upc number:       | 7316577662576              |
| $d_1$                          | 194.4 mm                   |
| $D_1$                          | 210.6 mm                   |
| $r_{1,2}$ min.                 | 1.1 mm                     |
| $d_a$ min.                     | 186 mm                     |
| $D_a$ max.                     | 219 mm                     |
| $r_a$ max.                     | 1 mm                       |
| Basic dynamic load rating C    | 62.4 kN                    |
| Basic static load rating $C_0$ | 81.5 kN                    |
| Fatigue load limit $P_u$       | 2.45 kN                    |
| Calculation factor $k_r$       | 0.015                      |
| Calculation factor $f_0$       | 17.2                       |
| Mass bearing                   | 1.73 kg                    |