



# BEARING MFG. CORP.



25 mm x 62 mm x 17 mm  
 GW240--AWBEARINGS 240x400x103mm

Bearing No. 6305

6305 Bearing 2D drawings and 3D CAD models

|   |                          |
|---|--------------------------|
| Size                                      | 62x25x17 mm              |
| Bore Diameter                             | 62 mm                    |
| Outer Diameter                            | 25 mm                    |
| Width                                     | 17 mm                    |
| d   | 25 mm                    |
| D   | 62 mm                    |
| B   | 17 mm                    |
| d <sub>1</sub>                            | 36.6 mm                  |
| D <sub>2</sub>                            | 52.7 mm                  |
| r <sub>1,2</sub> - min.                   | 1.1 mm                   |
| d <sub>a</sub> - min.                     | 32 mm                    |
| D <sub>a</sub> - max.                     | 55 mm                    |
| r <sub>a</sub> - max.                     | 1 mm                     |
| Basic dynamic load rating - C             | 23.4 kN                  |
| Basic static load rating - C <sub>0</sub> | 11.6 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 0.49 kN                  |
| Reference speed                           | 24000 r/min              |
| Limiting speed                            | 16000 r/min              |
| Calculation factor - k <sub>r</sub>       | 0.03                     |
| Calculation factor - f <sub>0</sub>       | 12                       |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 1.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |



## BEARING MFG.CORP.

|                                 |  |
|---------------------------------|--|
| Weight / Kilogram               | 0.227  |
| 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                | 25MM Bore; 62MM Outside Diameter; 17MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| 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        | 6305   |
| Weight / LBS                    | 0.5  |
| Bore                            | 0.984 Inch   25 Millimeter   |
| Outside Diameter                | 2.441 Inch   62 Millimeter   |
| Outer Race Width                | 0.669 Inch   17 Millimeter   |
| d <sub>1</sub>                  | 36.6 mm  |
| D <sub>2</sub>                  | 52.7 mm  |
| d <sub>a</sub> min.             | 32 mm  |
| D <sub>a</sub> max.             | 55 mm  |
|                                 |  |



## BEARING MFG.CORP.

|                                |         |
|--------------------------------|---------|
| $r_a$ max.                     | 1 mm    |
| Basic dynamic load rating C    | 23.4 kN |
| Basic static load rating $C_0$ | 11.6 kN |
| Fatigue load limit $P_u$       | 0.49 kN |
| Calculation factor $k_r$       | 0.03    |
| Calculation factor $f_0$       | 12      |
| Mass bearing                   | 0.23 kg |