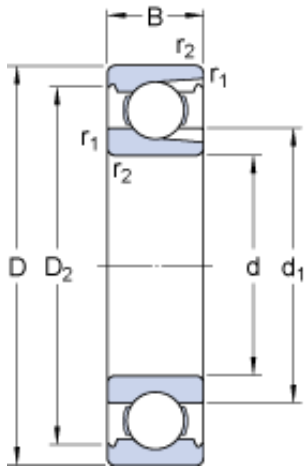




## BEARING FORGE OF AMERICA CORP.



40 mm x 90 mm x 23 mm skf 308 bearing

Bearing No. 308

308 Bearing 2D drawings and 3D CAD models

|   |                          |
|---|--------------------------|
| Size                                      | 90x40x23 mm              |
| Bore Diameter                             | 90 mm                    |
| Outer Diameter                            | 40 mm                    |
| Width                                     | 23 mm                    |
| d   | 40 mm                    |
| D   | 90 mm                    |
| B   | 23 mm                    |
| d <sub>1</sub>                            | 56.11 mm                 |
| D <sub>2</sub>                            | 77.7 mm                  |
| r <sub>1,2</sub> - min.                   | 1.5 mm                   |
| d <sub>a</sub> - min.                     | 49 mm                    |
| D <sub>a</sub> - max.                     | 81 mm                    |
| r <sub>a</sub> - max.                     | 1.5 mm                   |
| Basic dynamic load rating - C             | 45.7 kN                  |
| Basic static load rating - C <sub>0</sub> | 36 kN                    |
| Fatigue load limit - P <sub>u</sub>       | 1.5 kN                   |
| Reference speed                           | 14000 r/min              |
| Limiting speed                            | 8500 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.05                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 0.65                     |
| EAN                                       | 7316577003966            |



## BEARING FORGE OF AMERICA CORP.

|                                 |   |
|---------------------------------|---|
| Product Group                   | B00308  |
| Enclosure                       | Open  |
| Precision Class                 | ABEC 1   ISO P0   |
| Maximum Capacity / Filling Slot | Yes   |
| Rolling Element                 | Ball Bearing  |
| Snap Ring                       | No  |
| Internal Special Features       | No  |
| Cage Material                   | Steel   |
| Internal Clearance              | C0-Medium   |
| Inch - Metric                   | Metric  |
| Long Description                | 40MM Bore; 90MM Outside Diameter; 23MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; Yes 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        | 308   |
| Weight / LBS                    | 1.42  |
| Outside Diameter                | 3.543 Inch   90 Millimeter  |
| Outer Race Width                | 0.906 Inch   23 Millimeter  |
| Bore                            | 1.575 Inch   40 Millimeter  |
| bore diameter:                  | 40 mm   |
| static load capacity:           | 36 kN   |
| outside diameter:               | 90 mm   |
| precision rating:               | ABEC 3 (ISO Class 6)  |
| overall width:                  | 23 mm   |
|                                 |   |



## BEARING FORGE OF AMERICA CORP.

|                                |   |
|--------------------------------|---|
| finish/coating:                | Uncoated  |
| bore type:                     | Round   |
| cage material:                 | Steel   |
| closure type:                  | Open  |
| outer ring width:              | 23 mm   |
| row type & fill slot:          | Single Row Filling Slot                             |
| fillet radius:                 | 1.5 mm  |
| snap ring included:            | Without Snap Ring                                   |
| maximum rpm:                   | 8500 RPM  |
| internal clearance:            | C0  |
| series:                        | 30  |
| dynamic load capacity:         | 45.7 kN   |
| thrust application warning:    | This product can not be used in Thrust Applications |
| $d_1$                          | 56.11 mm  |
| $D_2$                          | 77.7 mm   |
| $r_{1,2}$ min.                 | 1.5 mm  |
| $d_a$ min.                     | 49 mm   |
| $D_a$ max.                     | 81 mm   |
| $r_a$ max.                     | 1.5 mm  |
| Basic dynamic load rating C    | 45.7 kN   |
| Basic static load rating $C_0$ | 36 kN   |
| Fatigue load limit $P_u$       | 1.53 kN   |
| Calculation factor $k_r$       | 0.05  |
| Mass bearing                   | 0.64 kg   |