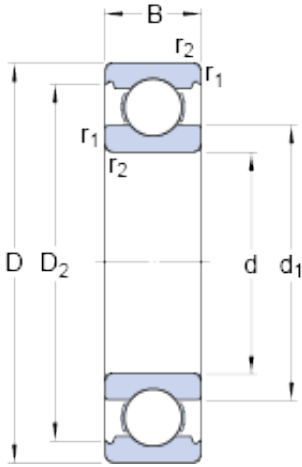




# Timken BEARING MFG.CORP



High Standard Own Factory Deep Groove Ball Bearings/Auto Bearing SKF/ NSK/ NTN/Timken 6403 6405 6407 6409

Bearing No. 6403

6403 Bearing 2D drawings and 3D CAD models

|   |                          |
|---|--------------------------|
| Size                                      | 62x17x17 mm              |
| Bore Diameter                             | 62 mm                    |
| Outer Diameter                            | 17 mm                    |
| Width                                     | 17 mm                    |
| d   | 17 mm                    |
| D   | 62 mm                    |
| B   | 17 mm                    |
| d <sub>1</sub>                            | 32.4 mm                  |
| D <sub>2</sub>                            | 48.7 mm                  |
| r <sub>1,2</sub> - min.                   | 1.1 mm                   |
| d <sub>a</sub> - min.                     | 23.5 mm                  |
| D <sub>a</sub> - max.                     | 55.5 mm                  |
| r <sub>a</sub> - max.                     | 1 mm                     |
| Basic dynamic load rating - C             | 22.9 kN                  |
| Basic static load rating - C <sub>0</sub> | 10.8 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 0.455 kN                 |
| Reference speed                           | 28000 r/min              |
| Limiting speed                            | 18000 r/min              |
| Calculation factor - k <sub>r</sub>       | 0.035                    |
| Calculation factor - f <sub>0</sub>       | 11                       |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |



## Timken BEARING MFG.CORP

|                                 |  |
|---------------------------------|--|
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 0.279  |
| EAN                             | 7316577117151  |
| 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                | 17MM 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        | 6403   |
| Weight / LBS                    | 0.61   |
| Bore                            | 0.669 Inch   17 Millimeter   |
| Outer Race Width                | 0.669 Inch   17 Millimeter   |
| Outside Diameter                | 2.441 Inch   62 Millimeter   |
| bore diameter:                  | 17 mm  |
| static load capacity:           | 10.8 kN  |
|                                 |  |



## Timken BEARING MFG.CORP

|                                |                          |
|--------------------------------|--------------------------|
| outside diameter:              | 62 mm                    |
| precision rating:              | ABEC 3 (ISO Class 6)     |
| overall width:                 | 17 mm                    |
| finish/coating:                | Uncoated                 |
| bore type:                     | Round                    |
| cage material:                 | Steel                    |
| closure type:                  | Open                     |
| outer ring width:              | 17 mm                    |
| row type & fill slot:          | Single Row Non-Fill Slot |
| fillet radius:                 | 1 mm                     |
| snap ring included:            | Without Snap Ring        |
| maximum rpm:                   | 18000 RPM                |
| internal clearance:            | C0                       |
| series:                        | 64                       |
| dynamic load capacity:         | 22.9 kN                  |
| $d_1$                          | 32.4 mm                  |
| $D_2$                          | 48.7 mm                  |
| $r_{1,2}$ min.                 | 1.1 mm                   |
| $d_a$ min.                     | 23.5 mm                  |
| $D_a$ max.                     | 55.5 mm                  |
| $r_a$ max.                     | 1 mm                     |
| Basic dynamic load rating C    | 22.9 kN                  |
| Basic static load rating $C_0$ | 10.8 kN                  |
| Fatigue load limit $P_u$       | 0.455 kN                 |
| Calculation factor $k_r$       | 0.035                    |
| Calculation factor $f_0$       | 11                       |
| Mass bearing                   | 0.27 kg                  |