



# NTPT NTK BEARINGS CO.,LTD.



## 9 mm x 24 mm x 7 mm SKF 609 Bearing

Bearing No. 609

|                               |                          |
|-------------------------------|--------------------------|
| Size                          | 9x24x7 mm                |
| Bore Diameter                 | 9 mm                     |
| Outer Diameter                | 24 mm                    |
| Width                         | 7 mm                     |
| d                             | 9 mm                     |
| D                             | 24 mm                    |
| B                             | 7 mm                     |
| C                             | 7 mm                     |
| d1                            | 14,4 mm                  |
| r1 min.                       | 0,3 mm                   |
| r2 min.                       | 0,3 mm                   |
| D1                            | 19,8 mm                  |
| D2                            | 21,2 mm                  |
| da min.                       | 11 mm                    |
| Da max.                       | 22 mm                    |
| rc max.                       | 0,3 mm                   |
| Weight                        | 0,014 Kg                 |
| Basic dynamic load rating (C) | 3,9 kN                   |
| Basic static load rating (C0) | 1,66 kN                  |
| Fatigue load limit (Pu)       | 0,071                    |
| Reference speed               | 70000 r/min              |
| Limiting speed                | 43000 r/min              |
| Calculation factor (f0)       | 13                       |
| Category                      | Single Row Ball Bearings |
| Inventory                     | 0.0                      |
| Manufacturer Name             | SKF                      |

609 Bearing 2D drawings and 3D CAD models



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|                                 |  |
|---------------------------------|--|
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 0.016  |
| EAN                             | 7316577111784  |
| 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                | 9MM Bore; 24MM Outside Diameter; 7MM 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        | 609  |
| Weight / LBS                    | 0.04   |
| Outer Race Width                | 0.276 Inch   7 Millimeter  |
| Bore                            | 0.354 Inch   9 Millimeter  |
| Outside Diameter                | 0.945 Inch   24 Millimeter   |
| bore diameter:                  | 9 mm   |
| static load capacity:           | 1.66 kN  |
|                                 |  |



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|                                |                          |
|--------------------------------|--------------------------|
| outside diameter:              | 24 mm                    |
| precision rating:              | ABEC 3 (ISO Class 6)     |
| overall width:                 | 7 mm                     |
| finish/coating:                | Uncoated                 |
| bore type:                     | Round                    |
| cage material:                 | Steel                    |
| closure type:                  | Open                     |
| outer ring width:              | 7 mm                     |
| row type & fill slot:          | Single Row Non-Fill Slot |
| fillet radius:                 | 0.3 mm                   |
| snap ring included:            | Without Snap Ring        |
| maximum rpm:                   | 43000 RPM                |
| internal clearance:            | C0                       |
| series:                        | 60                       |
| dynamic load capacity:         | 3.9 kN                   |
| $d_1$                          | 14.45 mm                 |
| $D_2$                          | 21.2 mm                  |
| $d_a$ min.                     | 11 mm                    |
| $D_a$ max.                     | 22 mm                    |
| $r_a$ max.                     | 0.3 mm                   |
| Basic dynamic load rating C    | 3.9 kN                   |
| Basic static load rating $C_0$ | 1.66 kN                  |
| Fatigue load limit $P_u$       | 0.071 kN                 |
| Calculation factor $k_r$       | 0.025                    |
| Calculation factor $f_0$       | 13                       |
| Mass bearing                   | 0.014 kg                 |