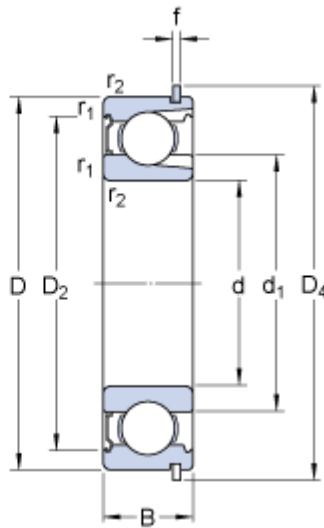
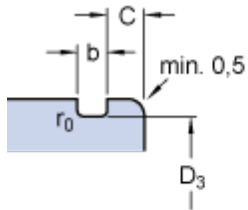




# NUP BEARING LTD



40 mm x 90 mm x 23 mm skf 308-ZNR Deep groove ball bearings

Bearing No. 308-ZNR

308-ZNR 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     |
| D <sub>3</sub>                | 86.79 mm    |
| D <sub>4</sub>                | 96.5 mm     |
| b                             | 2.7 mm      |
| C                             | 3.28 mm     |
| f                             | 2.46 mm     |
| r <sub>0</sub>                | 0.6 mm      |
| r <sub>1,2</sub> - min.       | 1.5 mm      |
| d <sub>a</sub> - min.         | 49 mm       |
| d <sub>a</sub> - max.         | 56 mm       |
| D <sub>a</sub> - max.         | 81 mm       |
| D <sub>b</sub> - min.         | 98 mm       |
| b <sub>a</sub> - min.         | 3 mm        |
| C <sub>a</sub> - max.         | 5.74 mm     |
| r <sub>a</sub> - max.         | 1.5 mm      |
| Basic dynamic load rating - C | 45.7 kN     |



## NUP BEARING LTD

|   |  |
|---|--|
| Basic static load rating - $C_0$                  | 36 kN  |
| Fatigue load limit - $P_u$                        | 1.5 kN   |
| Reference speed                                   | 14000 r/min  |
| Limiting speed                                    | 8500 r/min   |
| Calculation factor<br>minimum radial load - $k_r$ | 0.05   |
| Mass bearing                                      | 0.64 kg  |
| Category  | Single Row Ball Bearings   |
| Inventory   | 0.0  |
| Manufacturer Name                                 | SKF  |
| Minimum Buy Quantity                              | N/A  |
| Weight / Kilogram                                 | 0.711  |
| EAN   | 7316576680359  |
| Product Group                                     | B00308   |
| Enclosure   | 1 Metal Shield   |
| Precision Class                                   | ABEC 1   ISO P0  |
| Maximum Capacity / Filling<br>Slot                | Yes  |
| Rolling Element                                   | Ball Bearing   |
| Snap Ring   | Yes  |
| Internal Special Features                         | No   |
| Cage Material                                     | Steel  |
| Internal Clearance                                | C0-Medium  |
| Inch - Metric                                     | Metric   |
| Long Description                                  | 40MM Bore; 90MM<br>Outside Diameter; 23MM<br>Outer Race Diameter; 1<br>Metal Shield; Ball Bearing;<br>ABEC 1   ISO P0; Yes<br>Filling Slot; Yes Snap Ring;<br>No Internal Special Features |
| Category  | Single Row Ball Bearing  |
| UNSPSC  | 31171504   |
| Harmonized Tariff Code                            | 8482.10.50.68  |
|   |  |



## NUP BEARING LTD

| Noun                        | Bearing   |
|-----------------------------|---|
| Keyword String              | Ball  |
| Manufacturer URL            | <a href="http://www.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number    | 308 ZNR   |
| Weight / LBS                | 1.46  |
| Outer Race Width            | 0.906 Inch   23 Millimeter                          |
| Bore                        | 1.575 Inch   40 Millimeter                          |
| Outside Diameter            | 3.543 Inch   90 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   |
| finish/coating:             | Uncoated  |
| bore type:                  | Round   |
| cage material:              | Steel   |
| closure type:               | Single Shield                                       |
| outer ring width:           | 23 mm   |
| row type & fill slot:       | Single Row Filling Slot                             |
| fillet radius:              | 1.5 mm  |
| snap ring included:         | With 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   |
| $D_3$                       | 86.79 mm  |
| $D_4$                       | 96.5 mm   |
| $r_0$ max.                  | 0.6 mm  |
| $r_{1,2}$ min.              | 1.5 mm  |



## NUP BEARING LTD

|                                |         |
|--------------------------------|---------|
| $d_a$ min.                     | 49 mm   |
| $d_a$ max.                     | 56 mm   |
| $D_a$ max.                     | 81 mm   |
| $D_b$ min.                     | 98 mm   |
| $b_a$ min.                     | 3 mm    |
| $C_a$ max.                     | 5.74 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    |
| Snap ring                      | SP 90   |