



25 mm x 62 mm x 17 mm SKF 6305-2ZNR deep groove ball bearings

Bearing No. 6305-2ZNR

6305-2ZNR 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     |
| D <sub>3</sub>                | 59.61 mm    |
| D <sub>4</sub>                | 67.7 mm     |
| b                             | 1.9 mm      |
| C                             | 3.28 mm     |
| f                             | 1.7 mm      |
| r <sub>0</sub>                | 0.6 mm      |
| r <sub>1,2</sub> - min.       | 1.1 mm      |
| d <sub>a</sub> - min.         | 32 mm       |
| d <sub>a</sub> - max.         | 36.5 mm     |
| D <sub>a</sub> - max.         | 55 mm       |
| D <sub>b</sub> - min.         | 69 mm       |
| b <sub>a</sub> - min.         | 2.2 mm      |
| C <sub>a</sub> - max.         | 4.98 mm     |
| r <sub>a</sub> - max.         | 1 mm        |
| Basic dynamic load rating - C | 23.4 kN     |



## BEARING MANUFACTURING DE MEXICO,S.A.D...

|                                  |  |
|----------------------------------|--|
| Basic static load rating - $C_0$ | 11.6 kN  |
| Fatigue load limit - $P_u$       | 0.49 kN  |
| Reference speed                  | 24000 r/min  |
| Limiting speed                   | 13000 r/min  |
| Calculation factor - $k_r$       | 0.03   |
| Calculation factor - $f_0$       | 12   |
| Mass bearing                     | 0.244 kg   |
| Category                         | Single Row Ball Bearings   |
| Inventory                        | 0.0  |
| Manufacturer Name                | SKF  |
| Minimum Buy Quantity             | N/A  |
| Weight / Kilogram                | 0.249  |
| EAN                              | 7316570720792  |
| Product Group                    | B00308   |
| Enclosure                        | 2 Metal Shields  |
| Precision Class                  | ABEC 1   ISO P0  |
| Maximum Capacity / Filling Slot  | No   |
| Rolling Element                  | Ball Bearing   |
| Snap Ring                        | Yes  |
| Internal Special Features        | No   |
| Cage Material                    | Steel  |
| Internal Clearance               | C0-Medium  |
| Inch - Metric                    | Metric   |
| Long Description                 | 25MM Bore; 62MM Outside Diameter; 17MM Outer Race Width; 2 Metal Shields; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Ste |
| Other Features                   | Deep Groove   With Snap Ring   |



## BEARING MANUFACTURING DE MEXICO,S.A.D...

|                          |   |
|--------------------------|---|
| 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 | 6305-2ZNR   |
| Weight / LBS             | 0.52  |
| Outer Race Width         | 0.669 Inch   17 Millimeter                          |
| Inner Race Width         | 0 Inch   0 Millimeter                               |
| Bore                     | 0.984 Inch   25 Millimeter                          |
| Outside Diameter         | 2.441 Inch   62 Millimeter                          |
| bore diameter:           | 25 mm   |
| static load capacity:    | 11.6 kN   |
| outside diameter:        | 62 mm   |
| precision rating:        | Not Rated   |
| overall width:           | 17 mm   |
| finish/coating:          | Uncoated  |
| bore type:               | Round   |
| cage material:           | Steel   |
| closure type:            | Double Shielded                                     |
| outer ring width:        | 17 mm   |
| row type & fill slot:    | Single Row Non-Fill Slot                            |
| fillet radius:           | 1 mm  |
| snap ring included:      | With Snap Ring                                      |
| maximum rpm:             | 13000 RPM   |
| internal clearance:      | C0  |
| series:                  | 63  |
| dynamic load capacity:   | 23.4 kN   |
| d <sub>1</sub>           | 36.6 mm   |
| D <sub>2</sub>           | 52.7 mm   |
| D <sub>3</sub>           | 59.61 mm  |
|                          |   |



## BEARING MANUFACTURING DE MEXICO,S.A.D...

|                                |         |
|--------------------------------|---------|
| $D_4$                          | 67.7 mm |
| $r_0$ max.                     | 0.6 mm  |
| $r_{1,2}$ min.                 | 1.1 mm  |
| $d_a$ min.                     | 32 mm   |
| $d_a$ max.                     | 36.5 mm |
| $D_a$ max.                     | 55 mm   |
| $D_b$ min.                     | 69 mm   |
| $b_a$ min.                     | 2.2 mm  |
| $C_a$ max.                     | 4.98 mm |
| $r_a$ 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      |
| Snap ring                      | SP 62   |