



**SKF 625-Z deep groove ball bearings**

Bearing No. 625-Z

625-Z Bearing 2D drawings and 3D CAD models

|   |             |
|---|-------------|
| Size                                      | 16x5x5 mm   |
| Bore Diameter                             | 16 mm       |
| Outer Diameter                            | 5 mm        |
| Width                                     | 5 mm        |
| d   | 5 mm        |
| D   | 16 mm       |
| B   | 5 mm        |
| d <sub>1</sub>                            | 8.4 mm      |
| D <sub>2</sub>                            | 13.22 mm    |
| r <sub>1,2</sub> - min.                   | 0.3 mm      |
| d <sub>a</sub> - min.                     | 7.4 mm      |
| d <sub>a</sub> - max.                     | 8.3 mm      |
| D <sub>a</sub> - max.                     | 13.6 mm     |
| r <sub>a</sub> - max.                     | 0.3 mm      |
| Basic dynamic load rating - C             | 1.1 kN      |
| Basic static load rating - C <sub>0</sub> | 0.38 kN     |
| Fatigue load limit - P <sub>u</sub>       | 0.016 kN    |
| Reference speed                           | 95000 r/min |
| Limiting speed                            | 60000 r/min |
| Calculation factor - k <sub>r</sub>       | 0.025       |
| Calculation factor - f <sub>0</sub>       | 8.4         |
| Size                                      | 16x5x5 mm   |
| Bore Diameter                             | 16 mm       |
| Outer Diameter                            | 5 mm        |
| Width                                     | 5 mm        |



|   |                          |
|---|--------------------------|
| d   | 5 mm                     |
| D   | 16 mm                    |
| B   | 5 mm                     |
| d <sub>1</sub>                            | 8.4 mm                   |
| D <sub>2</sub>                            | 13.22 mm                 |
| r <sub>1,2</sub> - min.                   | 0.3 mm                   |
| d <sub>a</sub> - min.                     | 7.4 mm                   |
| d <sub>a</sub> - max.                     | 8.3 mm                   |
| D <sub>a</sub> - max.                     | 13.6 mm                  |
| r <sub>a</sub> - max.                     | 0.3 mm                   |
| Basic dynamic load rating - C             | 1.1 kN                   |
| Basic static load rating - C <sub>0</sub> | 0.38 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 0.016 kN                 |
| Reference speed                           | 95000 r/min              |
| Limiting speed                            | 60000 r/min              |
| Calculation factor - k <sub>r</sub>       | 0.025                    |
| Calculation factor - f <sub>0</sub>       | 8.4                      |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 0.007                    |
| EAN                                       | 7316577112088            |
| Product Group                             | B00308                   |
| Enclosure                                 | 1 Metal Shield           |
| Precision Class                           | ABEC 1   ISO P0          |
| Maximum Capacity / Filling Slot           | No                       |
| Rolling Element                           | Ball Bearing             |
| Snap Ring                                 | No                       |
| Internal Special Features                 | No                       |



# SNR BEARINGS PRODUCTION EXPORT CO., LTD

|                          |  |
|--------------------------|--|
| Cage Material            | Steel  |
| Internal Clearance       | C0-Medium  |
| Inch - Metric            | Metric   |
| Long Description         | 5MM Bore; 16MM Outside Diameter; 5MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel C |
| Other Features           | Deep Groove  |
| 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 | 625-Z  |
| Weight / LBS             | 0.016  |
| Bore                     | 0.197 Inch   5 Millimeter  |
| Outside Diameter         | 0.63 Inch   16 Millimeter  |
| Inner Race Width         | 0 Inch   0 Millimeter  |
| Outer Race Width         | 0.197 Inch   5 Millimeter  |
| bore diameter:           | 5 mm   |
| static load capacity:    | 0.38 kN  |
| outside diameter:        | 16 mm  |
| precision rating:        | ABEC 3 (ISO Class 6)   |
| overall width:           | 5 mm   |
| finish/coating:          | Uncoated   |
| bore type:               | Round  |
| cage material:           | Steel  |
| closure type:            | Single Shield  |
| outer ring width:        | 5 mm   |
|                          |  |



## SNR BEARINGS PRODUCTION EXPORT CO., LTD

|                                |                          |
|--------------------------------|--------------------------|
| row type & fill slot:          | Single Row Non-Fill Slot |
| fillet radius:                 | 0.3 mm                   |
| snap ring included:            | Without Snap Ring        |
| maximum rpm:                   | 48000 RPM                |
| internal clearance:            | C0                       |
| series:                        | 62                       |
| dynamic load capacity:         | 1.14 kN                  |
| $d_1$                          | 8.4 mm                   |
| $D_2$                          | 13.22 mm                 |
| $r_{1,2}$ min.                 | 0.3 mm                   |
| $d_a$ min.                     | 7.4 mm                   |
| $d_a$ max.                     | 8.3 mm                   |
| $D_a$ max.                     | 13.6 mm                  |
| $r_a$ max.                     | 0.3 mm                   |
| Basic dynamic load rating C    | 1.14 kN                  |
| Basic static load rating $C_0$ | 0.38 kN                  |
| Fatigue load limit $P_u$       | 0.016 kN                 |
| Calculation factor $k_r$       | 0.025                    |
| Calculation factor $f_0$       | 8.4                      |
| Mass bearing                   | 0.005 kg                 |