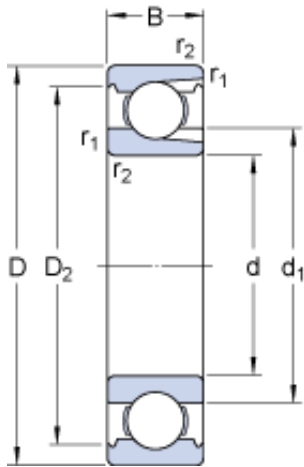




# BEARING DRIVESHAFT, INC.



55 mm x 100 mm x 21 mm skf 211 bearing

Bearing No. 211

211 Bearing 2D drawings and 3D CAD models

|   |                          |
|---|--------------------------|
| Size                                      | 100x55x21 mm             |
| Bore Diameter                             | 100 mm                   |
| Outer Diameter                            | 55 mm                    |
| Width                                     | 21 mm                    |
| d   | 55 mm                    |
| D   | 100 mm                   |
| B   | 21 mm                    |
| d <sub>1</sub>                            | 69.06 mm                 |
| D <sub>2</sub>                            | 89.4 mm                  |
| r <sub>1,2</sub> - min.                   | 1.5 mm                   |
| d <sub>a</sub> - min.                     | 64 mm                    |
| D <sub>a</sub> - max.                     | 91 mm                    |
| r <sub>a</sub> - max.                     | 1.5 mm                   |
| Basic dynamic load rating - C             | 48.4 kN                  |
| Basic static load rating - C <sub>0</sub> | 44 kN                    |
| Fatigue load limit - P <sub>u</sub>       | 1.9 kN                   |
| Reference speed                           | 12000 r/min              |
| Limiting speed                            | 7000 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.04                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 6.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 0.68                     |
| Product Group                             | B00308                   |



## BEARING DRIVESHAFT, INC.

|                                 |  |
|---------------------------------|--|
| Enclosure                       | Open   |
| Precision Class                 | ABEC 1   ISO P0  |
| Maximum Capacity / Filling Slot | Yes  |
| Rolling Element                 | Ball Bearing   |
| Snap Ring                       | No   |
| Internal Special Features       | No   |
| Cage Material                   | Steel  |
| Internal Clearance              | C0-Medium  |
| Inch - Metric                   | Metric   |
| Long Description                | 55MM Bore; 100MM Outside Diameter; 21MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; Yes 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        | 211  |
| Weight / LBS                    | 1.49   |
| Bore                            | 2.165 Inch   55 Millimeter   |
| Outside Diameter                | 3.937 Inch   100 Millimeter  |
| Outer Race Width                | 0.827 Inch   21 Millimeter   |
| bore diameter:                  | 55 mm  |
| static load capacity:           | 44 kN  |
| outside diameter:               | 100 mm   |
| precision rating:               | ABEC 3 (ISO Class 6)   |
| overall width:                  | 21 mm  |
| finish/coating:                 | Uncoated   |
|                                 |  |



## BEARING DRIVESHAFT, INC.

|                                |   |
|--------------------------------|---|
| bore type:                     | Round   |
| cage material:                 | Steel   |
| closure type:                  | Open  |
| outer ring width:              | 21 mm   |
| row type & fill slot:          | Single Row Filling Slot                             |
| fillet radius:                 | 1.5 mm  |
| snap ring included:            | Without Snap Ring                                   |
| maximum rpm:                   | 7000 RPM  |
| internal clearance:            | C0  |
| series:                        | 21  |
| dynamic load capacity:         | 48.4 kN   |
| thrust application warning:    | This product can not be used in Thrust Applications |
| $d_1$                          | 69.06 mm  |
| $D_2$                          | 89.4 mm   |
| $r_{1,2}$ min.                 | 1.5 mm  |
| $d_a$ min.                     | 64 mm   |
| $D_a$ max.                     | 91 mm   |
| $r_a$ max.                     | 1.5 mm  |
| Basic dynamic load rating C    | 48.4 kN   |
| Basic static load rating $C_0$ | 44 kN   |
| Fatigue load limit $P_u$       | 1.86 kN   |
| Calculation factor $k_r$       | 0.04  |
| Mass bearing                   | 0.66 kg   |