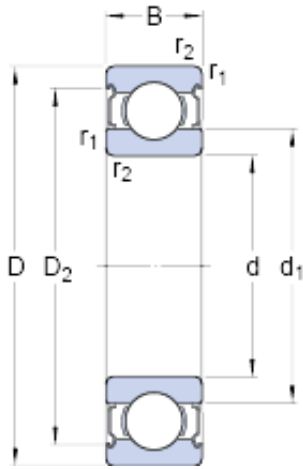




## BEARING DRIVESHAFT, INC.



6316-2Z Bearing 2D drawings and 3D CAD models

80 mm x 170 mm x 39 mm SKF 6316-2Z deep groove ball bearings

Bearing No. 6316-2Z

|   |                          |
|---|--------------------------|
| Size                                      | 170x80x39 mm             |
| Bore Diameter                             | 170 mm                   |
| Outer Diameter                            | 80 mm                    |
| Width                                     | 39 mm                    |
| d   | 80 mm                    |
| D   | 170 mm                   |
| B   | 39 mm                    |
| d <sub>1</sub>                            | 108 mm                   |
| D <sub>2</sub>                            | 146.9 mm                 |
| r <sub>1,2</sub> - min.                   | 2.1 mm                   |
| d <sub>a</sub> - min.                     | 92 mm                    |
| d <sub>a</sub> - max.                     | 107.9 mm                 |
| D <sub>a</sub> - max.                     | 158 mm                   |
| r <sub>a</sub> - max.                     | 2 mm                     |
| Basic dynamic load rating - C             | 130 kN                   |
| Basic static load rating - C <sub>0</sub> | 86.5 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 3.2 kN                   |
| Reference speed                           | 8500 r/min               |
| Limiting speed                            | 4300 r/min               |
| Calculation factor - k <sub>r</sub>       | 0.03                     |
| Calculation factor - f <sub>0</sub>       | 13.3                     |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |



## BEARING DRIVESHAFT, INC.

|                                 |  |
|---------------------------------|--|
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 3.682  |
| EAN                             | 7316577067302  |
| Product Group                   | B00308   |
| Enclosure                       | 2 Metal Shields  |
| 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                | 80MM Bore; 170MM Outside Diameter; 39MM Outer Race Width; 2 Metal Shields; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Ste |
| 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        | 6316-2Z  |
| Weight / LBS                    | 8.289  |
| Outside Diameter                | 6.693 Inch   170 Millimeter  |
| Outer Race Width                | 1.535 Inch   39 Millimeter   |
| Inner Race Width                | 0 Inch   0 Millimeter  |



## BEARING DRIVESHAFT, INC.

|                                |                           |
|--------------------------------|---------------------------|
| Bore                           | 3.15 Inch   80 Millimeter |
| bore diameter:                 | 80 mm                     |
| static load capacity:          | 86.5 kN                   |
| outside diameter:              | 170 mm                    |
| precision rating:              | Not Rated                 |
| overall width:                 | 39 mm                     |
| finish/coating:                | Uncoated                  |
| bore type:                     | Round                     |
| cage material:                 | Steel                     |
| closure type:                  | Double Shielded           |
| outer ring width:              | 39 mm                     |
| row type & fill slot:          | Single Row Non-Fill Slot  |
| fillet radius:                 | 2 mm                      |
| internal clearance:            | C0                        |
| maximum rpm:                   | 4300 RPM                  |
| dynamic load capacity:         | 130 kN                    |
| series:                        | 63                        |
| $d_1$                          | 108 mm                    |
| $D_2$                          | 146.9 mm                  |
| $r_{1,2}$ min.                 | 2.1 mm                    |
| $d_a$ min.                     | 92 mm                     |
| $d_a$ max.                     | 107.9 mm                  |
| $D_a$ max.                     | 158 mm                    |
| $r_a$ max.                     | 2 mm                      |
| Basic dynamic load rating C    | 130 kN                    |
| Basic static load rating $C_0$ | 86.5 kN                   |
| Fatigue load limit $P_u$       | 3.25 kN                   |
| Calculation factor $k_r$       | 0.03                      |
| Calculation factor $f_0$       | 13.3                      |
| Mass bearing                   | 3.74 kg                   |