



# PFG BEARING LIMITED



90 mm x 190 mm x 43 mm skf 6318 bearing

Bearing No. 6318

6318 Bearing 2D drawings and 3D CAD models

|                                           |                          |
|-------------------------------------------|--------------------------|
| Size                                      | 190x90x43 mm             |
| Bore Diameter                             | 190 mm                   |
| Outer Diameter                            | 90 mm                    |
| Width                                     | 43 mm                    |
| d                                         | 90 mm                    |
| D                                         | 190 mm                   |
| B                                         | 43 mm                    |
| d <sub>1</sub>                            | 121.15 mm                |
| D <sub>2</sub>                            | 163.9 mm                 |
| r <sub>1,2</sub> - min.                   | 3 mm                     |
| d <sub>a</sub> - min.                     | 104 mm                   |
| D <sub>a</sub> - max.                     | 176 mm                   |
| r <sub>a</sub> - max.                     | 2.5 mm                   |
| Basic dynamic load rating - C             | 151 kN                   |
| Basic static load rating - C <sub>0</sub> | 108 kN                   |
| Fatigue load limit - P <sub>u</sub>       | 3.8 kN                   |
| Reference speed                           | 7500 r/min               |
| Limiting speed                            | 4800 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                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 4.987                    |



## PFG BEARING LIMITED

|                                 |                                                                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EAN                             | 7316577297952                                                                                                                                                 |
| Product Group                   | B00308                                                                                                                                                        |
| Enclosure                       | Open                                                                                                                                                          |
| 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                | 90MM Bore; 190MM Outside Diameter; 43MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No 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        | 6318                                                                                                                                                          |
| Weight / LBS                    | 11                                                                                                                                                            |
| Outside Diameter                | 7.48 Inch   190 Millimeter                                                                                                                                    |
| Bore                            | 3.543 Inch   90 Millimeter                                                                                                                                    |
| Outer Race Width                | 1.693 Inch   43 Millimeter                                                                                                                                    |
| bore diameter:                  | 90 mm                                                                                                                                                         |
| static load capacity:           | 108 kN                                                                                                                                                        |
| outside diameter:               | 190 mm                                                                                                                                                        |
| precision rating:               | Not Rated                                                                                                                                                     |
|                                 |                                                                                                                                                               |



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|                                |                          |
|--------------------------------|--------------------------|
| overall width:                 | 43 mm                    |
| finish/coating:                | Uncoated                 |
| bore type:                     | Round                    |
| cage material:                 | Steel                    |
| closure type:                  | Open                     |
| outer ring width:              | 43 mm                    |
| row type & fill slot:          | Single Row Non-Fill Slot |
| fillet radius:                 | 2.5 mm                   |
| snap ring included:            | Without Snap Ring        |
| maximum rpm:                   | 4800 RPM                 |
| internal clearance:            | C0                       |
| series:                        | 63                       |
| dynamic load capacity:         | 151 kN                   |
| $d_1$                          | 121.15 mm                |
| $D_2$                          | 163.9 mm                 |
| $r_{1,2}$ min.                 | 3 mm                     |
| $d_a$ min.                     | 104 mm                   |
| $D_a$ max.                     | 176 mm                   |
| $r_a$ max.                     | 2.5 mm                   |
| Basic dynamic load rating C    | 151 kN                   |
| Basic static load rating $C_0$ | 108 kN                   |
| Fatigue load limit $P_u$       | 3.8 kN                   |
| Calculation factor $k_r$       | 0.03                     |
| Calculation factor $f_0$       | 13.3                     |
| Mass bearing                   | 4.97 kg                  |