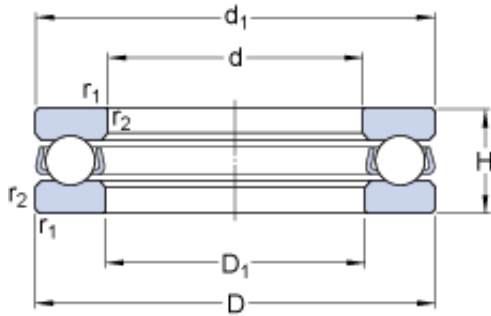




# NTN BEARING CORP.



51180 F Bearing 2D drawings and 3D CAD models

## SKF 51180 F thrust ball bearings

Bearing No. 51180 F

|   |                     |
|---|---------------------|
| Size                                      | 480x400x65 mm       |
| Bore Diameter                             | 480 mm              |
| Outer Diameter                            | 400 mm              |
| Width                                     | 65 mm               |
| d   | 400 mm              |
| D   | 480 mm              |
| H   | 65 mm               |
| d <sub>1</sub>                            | 476 mm              |
| D <sub>1</sub>                            | 404 mm              |
| r <sub>1,2</sub> - min.                   | 2 mm                |
| d <sub>a</sub> - min.                     | 448 mm              |
| D <sub>a</sub> - max.                     | 432 mm              |
| r <sub>a</sub> - max.                     | 2 mm                |
| Basic dynamic load rating - C             | 403 kN              |
| Basic static load rating - C <sub>0</sub> | 2280 kN             |
| Fatigue load limit - P <sub>u</sub>       | 40.5 kN             |
| Reference speed                           | 700 r/min           |
| Limiting speed                            | 1000 r/min          |
| Minimum load factor - A                   | 27                  |
| Category                                  | Thrust Ball Bearing |
| Inventory                                 | 0.0                 |
| Manufacturer Name                         | SKF                 |
| Minimum Buy Quantity                      | N/A                 |
| Weight / Kilogram                         | 0                   |
| EAN                                       | 7316577006738       |



## NTN BEARING CORP.

|                                     |  |
|-------------------------------------|--|
| Product Group                       | B00308   |
| Rolling Element                     | Ball Bearing   |
| Thrust Bearing                      | Yes  |
| Single or Double Direction          | Single Direction   |
| Banded                              | No   |
| Cage Material                       | Steel  |
| Precision Class                     | ABEC 1   ISO P0  |
| Component Description               | Roller Assembly Plus Raceways  |
| Other Features                      | Single Row   With Flat Seat  |
| Long Description                    | 400MM Bore 1; 404MM Bore 2; 480MM Outside Diameter; 65MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; ABEC 1   ISO P0 Precision |
| Inch - Metric                       | Metric   |
| Category                            | Thrust Ball Bearings   |
| UNSPSC                              | 31171552   |
| Harmonized Tariff Code              | 8482.10.50.08  |
| Noun                                | Bearing  |
| Keyword String                      | Ball Thrust  |
| Manufacturer URL                    | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Weight / LBS                        | 52.91094   |
| Outside Diameter                    | 18.898 Inch   480 Millimeter   |
| Bore 1                              | 15.748 Inch   400 Millimeter   |
| Height                              | 2.559 Inch   65 Millimeter   |
| Overall Height with Aligning Washer | 0 Inch   0 Millimeter  |
| Bore 2                              | 15.906 Inch   404 Millimeter   |
| d <sub>1</sub>                      | 476 mm   |
| D <sub>1</sub>                      | 404 mm   |
| r <sub>1,2</sub> min.               | 2 mm   |
| d <sub>a</sub> min.                 | 448 mm   |



## NTN BEARING CORP.

|   |         |
|---|---------|
| $D_a$ max.  | 432 mm  |
| $r_a$ max.  | 2 mm    |
| Basic dynamic load rating C                           | 403 kN  |
| Basic static load rating $C_0$                        | 2280 kN |
| Fatigue load limit $P_u$                              | 40.5 kN |
| Minimum load factor A                                 | 27      |
| Mass bearing (including seat washer where applicable) | 24 kg   |