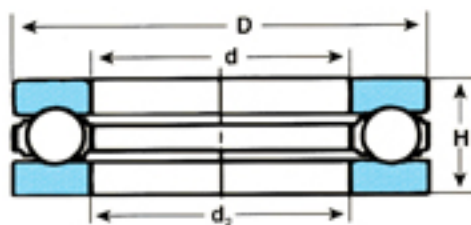


# SINGLE DIRECTION THRUST BALL BEARINGS

## METRIC SERIES 51100, 51200, 51300



### METRIC SERIES

| SST<br>Bearing No. | Bore |        |                |       | Outer Diameter |        | Width |       | Basic Load Rating<br>lbs. |                           | Weight<br>lbs. |
|--------------------|------|--------|----------------|-------|----------------|--------|-------|-------|---------------------------|---------------------------|----------------|
|                    | d    |        | d <sub>2</sub> |       | D              |        | H     |       | Dynamic<br>C <sub>a</sub> | Static<br>C <sub>0a</sub> |                |
|                    | mm   | in.    | mm             | in.   | mm             | in.    | mm    | in.   |                           |                           |                |
| 51100              | 10   | .3937  | 11             | .433  | 24             | .9449  | 9     | .3543 | 2250                      | 3150                      | .046           |
| 51101              | 12   | .4724  | 13             | .512  | 26             | 1.0236 | 9     | .3543 | 2320                      | 3450                      | .051           |
| 51102              | 15   | .5906  | 16             | .630  | 28             | 1.1024 | 9     | .3543 | 2370                      | 3750                      | .053           |
| 51103              | 17   | .6693  | 18             | .709  | 30             | 1.1811 | 9     | .3543 | 2430                      | 4100                      | .057           |
| 51104              | 20   | .7874  | 21             | .827  | 35             | 1.3780 | 10    | .3937 | 3200                      | 5550                      | .088           |
| 51105              | 25   | .9843  | 26             | 1.024 | 42             | 1.6535 | 11    | .4331 | 4400                      | 8350                      | .132           |
| 51106              | 30   | 1.1811 | 32             | 1.260 | 47             | 1.8504 | 11    | .4331 | 4600                      | 9500                      | .152           |
| 51107              | 35   | 1.3780 | 37             | 1.457 | 52             | 2.0472 | 12    | .4724 | 4600                      | 10000                     | .187           |
| 51108              | 40   | 1.5748 | 42             | 1.654 | 60             | 2.3622 | 13    | .5118 | 6050                      | 14100                     | .276           |
| 51109              | 45   | 1.7717 | 47             | 1.850 | 65             | 2.5591 | 14    | .5512 | 6250                      | 15500                     | .326           |
| 51110              | 50   | 1.9685 | 52             | 2.047 | 70             | 2.7559 | 14    | .5512 | 6450                      | 17000                     | .355           |
| 51111              | 55   | 2.1654 | 57             | 2.244 | 78             | 3.0709 | 16    | .6299 | 7800                      | 20900                     | .498           |
| 51112              | 60   | 2.3622 | 62             | 2.441 | 85             | 3.3465 | 17    | .6693 | 9300                      | 25300                     | .653           |
| 51113              | 65   | 2.5591 | 67             | 2.638 | 90             | 3.5433 | 18    | .7087 | 9400                      | 26400                     | .745           |
| 51114              | 70   | 2.7559 | 72             | 2.835 | 95             | 3.7402 | 18    | .7087 | 9700                      | 28500                     | .785           |
| 51115              | 75   | 2.9528 | 77             | 3.031 | 100            | 3.9370 | 19    | .7480 | 10000                     | 30500                     | .880           |

|       |    |        |    |       |     |        |    |        |       |       |      |
|-------|----|--------|----|-------|-----|--------|----|--------|-------|-------|------|
| 51200 | 10 | .3937  | 12 | .472  | 26  | 1.0236 | 11 | .4331  | 2850  | 3850  | .066 |
| 51201 | 12 | .4724  | 14 | .551  | 28  | 1.1024 | 11 | .4331  | 2960  | 4250  | .075 |
| 51202 | 15 | .5906  | 17 | .669  | 32  | 1.2598 | 12 | .4724  | 3750  | 5600  | .101 |
| 51203 | 17 | .6693  | 19 | .748  | 35  | 1.3780 | 12 | .4724  | 3850  | 6150  | .119 |
| 51204 | 20 | .7874  | 22 | .866  | 40  | 1.5748 | 14 | .5512  | 5000  | 8500  | .179 |
| 51205 | 25 | .9843  | 27 | 1.063 | 47  | 1.8504 | 15 | .5906  | 6250  | 11300 | .245 |
| 51206 | 30 | 1.1811 | 32 | 1.260 | 52  | 2.0472 | 16 | .6299  | 6600  | 13100 | .306 |
| 51207 | 35 | 1.3780 | 37 | 1.457 | 62  | 2.4409 | 18 | .7087  | 8800  | 17600 | .474 |
| 51208 | 40 | 1.5748 | 42 | 1.654 | 68  | 2.6772 | 19 | .7480  | 10000 | 22100 | .608 |
| 51209 | 45 | 1.7717 | 47 | 1.850 | 73  | 2.8740 | 20 | .7874  | 10700 | 23600 | .699 |
| 51210 | 50 | 1.9685 | 52 | 2.047 | 78  | 3.0709 | 22 | .8661  | 10900 | 25100 | .833 |
| 51211 | 55 | 2.1654 | 57 | 2.244 | 90  | 3.5433 | 25 | .9843  | 15800 | 35500 | 1.34 |
| 51212 | 60 | 2.3622 | 62 | 2.441 | 95  | 3.7402 | 26 | 1.0236 | 16500 | 40000 | 1.49 |
| 51213 | 65 | 2.5591 | 67 | 2.638 | 100 | 3.9370 | 27 | 1.0630 | 16800 | 42500 | 1.69 |
| 51214 | 70 | 2.7559 | 72 | 2.835 | 105 | 4.1339 | 27 | 1.0630 | 17100 | 44500 | 1.75 |
| 51215 | 75 | 2.9528 | 77 | 3.031 | 110 | 4.3307 | 27 | 1.0630 | 17400 | 47000 | 1.93 |

|       |    |        |    |       |    |        |    |        |       |       |      |
|-------|----|--------|----|-------|----|--------|----|--------|-------|-------|------|
| 51305 | 25 | .9843  | 27 | 1.063 | 52 | 2.0472 | 18 | .7087  | 8050  | 13800 | .388 |
| 51306 | 30 | 1.1811 | 32 | 1.260 | 60 | 2.3622 | 21 | .8268  | 9600  | 17700 | .593 |
| 51307 | 35 | 1.3780 | 37 | 1.457 | 68 | 2.6772 | 24 | .9449  | 12500 | 23500 | .845 |
| 51308 | 40 | 1.5748 | 42 | 1.654 | 78 | 3.0709 | 28 | 1.0236 | 15600 | 30000 | 1.21 |
| 51309 | 45 | 1.7717 | 47 | 1.850 | 85 | 3.3465 | 28 | 1.1024 | 18000 | 36500 | 1.51 |