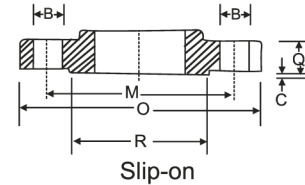
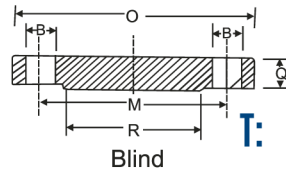
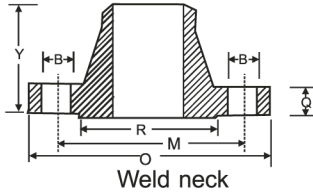




FORGED FLANGES DIMENSIONS

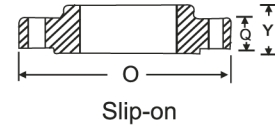
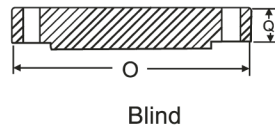
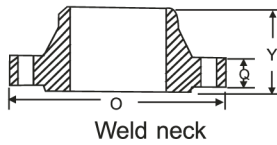


150 lbs

300 lbs

| Normal pipe size (in mm) | Outside dia of flange | Minimum thickness of flange | Overall Length | | | bolt circle | No. and size of holes | | | O D of Raised face |
|--------------------------|-----------------------|-----------------------------|----------------|--------------------------|-----------|-------------|-----------------------|----|-----|--------------------|
| | | | Welding neck | slip-on & socket welding | Lap joint | | No. | B | R | |
| | | | | | | | | | | |
| 15 | 89 | 11.2 | 47.6 | 15.9 | 15.9 | 60.5 | 4 | 15 | 35 | |
| 20 | 98 | 12.7 | 52.4 | 15.9 | 15.9 | 70.0 | 4 | 15 | 43 | |
| 25 | 108 | 14.3 | 55.6 | 17.5 | 17.5 | 79.5 | 4 | 15 | 51 | |
| 32 | 117 | 15.9 | 57.2 | 20.6 | 20.6 | 89.0 | 4 | 15 | 64 | |
| 40 | 127 | 17.5 | 61.9 | 22.2 | 22.2 | 98.5 | 4 | 15 | 73 | |
| 50 | 152 | 19.1 | 63.5 | 25.4 | 25.4 | 120.5 | 4 | 19 | 92 | |
| 65 | 178 | 22.3 | 69.8 | 28.6 | 28.6 | 139.5 | 4 | 19 | 105 | |
| 80 | 190 | 23.9 | 69.8 | 30.2 | 30.2 | 152.5 | 4 | 19 | 127 | |
| 90 | 216 | 23.9 | 71.4 | 31.8 | 31.8 | 178.0 | 8 | 19 | 140 | |
| 100 | 229 | 23.9 | 76.2 | 33.3 | 33.3 | 190.5 | 8 | 19 | 157 | |
| 125 | 254 | 23.9 | 88.9 | 36.5 | 36.5 | 216.0 | 8 | 22 | 186 | |
| 150 | 279 | 25.4 | 88.9 | 39.7 | 39.7 | 241.5 | 8 | 22 | 216 | |
| 200 | 343 | 28.6 | 101.6 | 44.4 | 44.4 | 298.5 | 8 | 22 | 270 | |
| 250 | 406 | 30.2 | 101.6 | 49.2 | 49.2 | 362.0 | 12 | 25 | 324 | |
| 300 | 483 | 31.8 | 114.3 | 55.6 | 55.6 | 432.0 | 12 | 25 | 381 | |
| 350 | 533 | 35.0 | 127.0 | 57.2 | 79.4 | 476.0 | 12 | 29 | 413 | |
| 400 | 597 | 36.6 | 127.0 | 63.5 | 87.3 | 539.5 | 16 | 29 | 470 | |
| 450 | 635 | 39.7 | 139.7 | 68.3 | 96.8 | 578.0 | 16 | 32 | 533 | |
| 500 | 698 | 42.9 | 144.5 | 73.0 | 103.2 | 635.0 | 20 | 32 | 584 | |
| 600 | 813 | 47.7 | 152.4 | 82.6 | 111.1 | 749.5 | 20 | 35 | 692 | |

| Normal pipe size (in mm) | Outside dia of flange | Minimum thickness of flange | Overall Length | | | bolt circle | No. and size of holes | | | O D of Raised face |
|--------------------------|-----------------------|-----------------------------|----------------|--------------------------|-----------|-------------|-----------------------|----|-----|--------------------|
| | | | Welding neck | slip-on & socket welding | Lap joint | | No. | B | R | |
| | | | | | | | | | | |
| 15 | 95 | 14.3 | 52.4 | 22.2 | 22.2 | 66.5 | 4 | 15 | 35 | |
| 20 | 117 | 15.9 | 57.2 | 25.4 | 25.4 | 82.5 | 4 | 19 | 43 | |
| 25 | 124 | 17.5 | 61.9 | 27.0 | 27.0 | 89.5 | 4 | 19 | 51 | |
| 32 | 133 | 19.1 | 65.1 | 27.0 | 27.0 | 98.5 | 4 | 19 | 64 | |
| 40 | 156 | 20.7 | 68.3 | 30.2 | 30.2 | 114.5 | 4 | 22 | 73 | |
| 50 | 165 | 22.3 | 69.8 | 33.3 | 33.3 | 127.0 | 8 | 19 | 92 | |
| 65 | 190 | 25.4 | 76.2 | 38.1 | 38.1 | 149.0 | 8 | 22 | 105 | |
| 80 | 210 | 28.6 | 79.4 | 42.9 | 42.9 | 168.0 | 8 | 22 | 127 | |
| 90 | 229 | 30.2 | 81.0 | 44.5 | 44.5 | 184.0 | 8 | 22 | 140 | |
| 100 | 254 | 31.8 | 85.7 | 47.6 | 47.6 | 200.0 | 8 | 22 | 157 | |
| 125 | 279 | 35.0 | 98.4 | 50.8 | 50.8 | 235.0 | 8 | 22 | 186 | |
| 150 | 313 | 36.6 | 98.4 | 52.4 | 52.4 | 270.0 | 12 | 22 | 216 | |
| 200 | 381 | 41.3 | 111.1 | 61.9 | 61.9 | 330.0 | 12 | 25 | 270 | |
| 250 | 444 | 47.7 | 117.5 | 66.7 | 95.3 | 387.5 | 16 | 29 | 324 | |
| 300 | 521 | 50.8 | 130.2 | 73.0 | 101.6 | 451.0 | 16 | 32 | 381 | |
| 350 | 584 | 54.0 | 142.9 | 76.2 | 111.1 | 514.5 | 20 | 32 | 413 | |
| 400 | 648 | 57.2 | 146.0 | 82.6 | 120.7 | 571.5 | 20 | 35 | 470 | |
| 450 | 711 | 60.4 | 158.8 | 88.9 | 130.2 | 628.5 | 24 | 35 | 584 | |
| 500 | 775 | 63.5 | 161.9 | 95.2 | 139.7 | 686.0 | 24 | 35 | 692 | |
| 600 | 914 | 69.9 | 168.3 | 106.4 | 152.4 | 813.0 | 24 | 41 | 692 | |



600 lbs

900 lbs

| Normal pipe size (in mm) | Outside dia of flange | Minimum thickness of flange | Overall Length | | | bolt circle | No. and size of holes | | | O D of Raised face |
|--------------------------|-----------------------|-----------------------------|----------------|--------------------------|-----------|-------------|-----------------------|----|-----|--------------------|
| | | | Welding neck | slip-on & socket welding | Lap joint | | No. | B | R | |
| | | | | | | | | | | |
| 15 | 95 | 14.3 | 52.4 | 22.2 | 22.2 | 66.5 | 4 | 15 | 35 | |
| 20 | 117 | 15.9 | 57.2 | 25.4 | 25.4 | 82.5 | 4 | 19 | 43 | |
| 25 | 124 | 17.5 | 61.9 | 27.0 | 27.0 | 89.5 | 4 | 19 | 51 | |
| 32 | 133 | 20.7 | 66.7 | 28.6 | 28.5 | 98.5 | 4 | 19 | 64 | |
| 40 | 156 | 22.3 | 69.8 | 31.8 | 31.8 | 114.5 | 4 | 22 | 73 | |
| 50 | 165 | 25.4 | 73.0 | 36.5 | 36.5 | 127.0 | 8 | 19 | 92 | |
| 65 | 190 | 28.6 | 79.4 | 41.3 | 41.3 | 149.0 | 8 | 22 | 105 | |
| 80 | 210 | 31.8 | 82.6 | 46.0 | 46.0 | 168.0 | 8 | 22 | 127 | |
| 90 | 229 | 35.0 | 85.7 | 49.2 | 49.2 | 184 | 8 | 25 | 140 | |
| 100 | 273 | 38.1 | 101.6 | 54.0 | 54.0 | 216.0 | 8 | 25 | 157 | |
| 125 | 330 | 44.5 | 114.3 | 60.3 | 60.3 | 266.5 | 8 | 29 | 186 | |
| 150 | 356 | 47.7 | 117.5 | 66.7 | 66.7 | 292.0 | 12 | 29 | 216 | |
| 200 | 419 | 55.6 | 133.4 | 76.2 | 76.2 | 349.0 | 12 | 32 | 270 | |
| 250 | 508 | 63.5 | 152.4 | 85.7 | 115.1 | 432.0 | 16 | 35 | 324 | |
| 300 | 559 | 66.7 | 155.6 | 92.1 | 111.1 | 489.0 | 20 | 35 | 381 | |
| 350 | 603 | 69.9 | 165.1 | 93.7 | 117.5 | 527.0 | 20 | 38 | 413 | |
| 400 | 686 | 76.2 | 177.8 | 106.4 | 127.0 | 603.0 | 20 | 41 | 470 | |
| 450 | 743 | 82.6 | 184.2 | 117.6 | 139.7 | 654.0 | 20 | 45 | 533 | |
| 500 | 813 | 88.9 | 190.5 | 127.0 | 165.1 | 724.0 | 24 | 45 | 584 | |
| 600 | 940 | 101.6 | 203.2 | 139.7 | 184.2 | 838.0 | 24 | 51 | 692 | |

| Normal pipe size (in mm) | Outside dia of flange | Minimum thickness of flange | Overall Length | | | bolt circle | No. and size of holes | | | O D of Raised face |
|--------------------------|-----------------------|-----------------------------|----------------|--------------------------|-----------|-------------|-----------------------|----|-----|--------------------|
| | | | Welding neck | slip-on & socket welding | Lap joint | | No. | B | R | |
| | | | | | | | | | | |
| 15 | 121 | 22.3 | 60.3 | 31.8 | 31.8 | 82.5 | 4 | 22 | 35 | |
| 20 | 130 | 25.4 | 69.8 | 34.9 | 34.9 | 89.0 | 4 | 22 | 43 | |
| 25 | 149 | 28.6 | 73.0 | 41.3 | 41.3 | 101.5 | 4 | 25 | 51 | |
| 32 | 159 | 28.6 | 73.0 | 41.3 | 41.3 | 111.0 | 4 | 25 | 64 | |
| 40 | 178 | 31.8 | 82.6 | 44.4 | 44.4 | 124.0 | 4 | 29 | 73 | |
| 50 | 216 | 38.1 | 101.6 | 57.2 | 57.2 | 165.0 | 8 | 25 | 92 | |
| 65 | 244 | 41.3 | 104.8 | 63.5 | 63.5 | 190.5 | 8 | 29 | 105 | |
| 80 | 241 | 38.1 | 101.6 | 54.0 | 54.0 | 190.5 | 8 | 25 | 127 | |
| 100 | 292 | 44.5 | 114.3 | 69.8 | 69.8 | 235.0 | 8 | 32 | 157 | |
| 125 | 349 | 50.8 | 127.0 | 79.4 | 79.4 | 279.5 | 8 | 35 | 186 | |
| 150 | 381 | 55.6 | 139.7 | 85.7 | 85.7 | 317.5 | 12 | 32 | 216 | |
| 200 | 470 | 68.5 | 161.5 | 101.8 | 114.3 | 393.5 | 12 | 38 | 270 | |
| 250 | 546 | 69.9 | 184.2 | 108.0 | 127.0 | 470.0 | 16 | 38 | 324 | |
| 300 | 610 | 79.4 | 200.0 | 117.5 | 142.9 | 533.5 | 20 | 38 | 381 | |
| 350 | 641 | 85.8 | 212.7 | 130.2 | 155.6 | 559.0 | 20 | 41 | 413 | |
| 400 | 705 | 88.9 | 215.8 | 133.4 | 165.1 | 616.0 | 20 | 45 | 470 | |
| 450 | 787 | 101.6 | 228.6 | 152.4 | 190.5 | 686.0 | 20 | 51 | 533 | |
| 500 | 857 | 108.0 | 247.6 | 158.8 | 209.6 | 749.5 | 20 | 54 | 584 | |
| 600 | 1041 | 139.7 | 292.1 | 203.2 | 266.7 | 901.5 | 20 | 67 | 692 | |