

# APPROXIMATE WEIGHT OF FLANGES

## FLANGE ANSI B 16.5

| SIZE  | CLASS 150    |       |         |       |           |       |          |       |       |       | CLASS 300    |       |         |       |           |       |          |       |       |       |
|-------|--------------|-------|---------|-------|-----------|-------|----------|-------|-------|-------|--------------|-------|---------|-------|-----------|-------|----------|-------|-------|-------|
|       | WELDING-NECK |       | SLIP-ON |       | LAP JOINT |       | THREADED |       | BLIND |       | WELDING-NECK |       | SLIP-ON |       | LAP JOINT |       | THREADED |       | BLIND |       |
|       | Kg           | Lb    | Kg      | Lb    | Kg        | Lb    | Kg       | Lb    | Kg    | Lb    | Kg           | Lb    | Kg      | Lb    | Kg        | Lb    | Kg       | Lb    | Kg    | Lb    |
| 1/2   | 0.7          | 1.5   | 0.4     | 0.9   | 0.4       | 0.9   | 0.4      | 0.9   | 0.5   | 1.1   | 0.8          | 1.8   | 0.7     | 1.5   | 0.7       | 1.5   | 0.7      | 1.5   | 0.8   | 1.8   |
| 3/4   | 0.8          | 1.8   | 0.7     | 1.5   | 0.7       | 1.5   | 0.7      | 1.5   | 0.8   | 1.8   | 1.4          | 3.1   | 1.2     | 2.6   | 1.2       | 2.6   | 1.2      | 2.6   | 1.2   | 2.6   |
| 1     | 1.1          | 2.4   | 0.8     | 1.8   | 0.8       | 1.8   | 0.8      | 1.8   | 0.9   | 2.0   | 1.7          | 3.7   | 1.4     | 3.1   | 1.4       | 3.1   | 1.4      | 3.1   | 1.5   | 3.3   |
| 1 1/4 | 1.5          | 3.3   | 1.2     | 2.6   | 1.1       | 2.4   | 1.2      | 2.6   | 1.3   | 2.9   | 2.2          | 4.8   | 1.8     | 4.0   | 1.8       | 4.0   | 1.9      | 4.2   | 2.0   | 4.4   |
| 1 1/2 | 1.8          | 4.0   | 1.4     | 3.1   | 1.4       | 3.1   | 1.5      | 3.3   | 1.6   | 3.5   | 3.2          | 7.0   | 2.7     | 6.0   | 2.7       | 6.0   | 2.8      | 6.2   | 2.9   | 6.4   |
| 2     | 2.7          | 6.0   | 2.2     | 4.8   | 2.2       | 4.8   | 2.3      | 5.1   | 2.6   | 5.7   | 3.6          | 7.9   | 3.2     | 7.0   | 3.2       | 7.0   | 3.3      | 7.3   | 3.5   | 7.7   |
| 2 1/2 | 4.4          | 9.8   | 3.5     | 7.7   | 3.5       | 7.7   | 3.7      | 8.1   | 4.1   | 9.0   | 5.4          | 12.0  | 4.5     | 9.9   | 4.5       | 9.9   | 4.6      | 10.1  | 5.3   | 11.7  |
| 3     | 5.2          | 11.5  | 3.8     | 8.4   | 3.8       | 8.4   | 4.1      | 9.0   | 5.1   | 11.2  | 7.3          | 16.1  | 5.9     | 13.0  | 5.9       | 13.0  | 6.3      | 13.9  | 7.2   | 15.9  |
| 3 1/2 | 6.4          | 14.2  | 5.0     | 11.0  | 5.0       | 11.0  | 5.1      | 11.2  | 6.5   | 14.3  | 8.9          | 19.6  | 7.5     | 16.5  | 7.5       | 16.5  | 7.8      | 17.2  | 9.2   | 20.3  |
| 4     | 7.5          | 16.6  | 5.6     | 12.3  | 5.6       | 12.3  | 5.9      | 13.0  | 7.5   | 16.5  | 11.8         | 26.0  | 10      | 22.0  | 10        | 22.0  | 10.2     | 22.4  | 12.2  | 26.8  |
| 5     | 9.2          | 20.2  | 6.5     | 14.3  | 6.5       | 14.3  | 7.0      | 15.4  | 9.2   | 20.3  | 16.0         | 35.2  | 12.5    | 27.5  | 12.5      | 27.5  | 12.9     | 28.4  | 16.0  | 35.2  |
| 6     | 11.0         | 24.3  | 8.1     | 18.0  | 8.1       | 18.0  | 8.4      | 18.5  | 11.8  | 26.0  | 20.2         | 44.6  | 16.5    | 36.4  | 16.5      | 36.4  | 16.8     | 37.0  | 22.0  | 48.4  |
| 8     | 18.4         | 40.6  | 13.0    | 28.6  | 13.0      | 28.6  | 13.0     | 28.6  | 20.4  | 45.0  | 31.2         | 68.8  | 25.5    | 56.0  | 25.5      | 56.0  | 26.0     | 57.2  | 36.0  | 79.5  |
| 10    | 25.5         | 56.2  | 18.4    | 40.0  | 18.4      | 40.0  | 18.0     | 39.5  | 31.0  | 68.0  | 44.3         | 97.5  | 35.0    | 77.0  | 35.0      | 77.0  | 37.5     | 82.5  | 55.0  | 121.0 |
| 12    | 37.0         | 81.4  | 28.5    | 63.0  | 28.5      | 63.0  | 29.0     | 64.0  | 47.0  | 103.0 | 63.5         | 140.0 | 52.0    | 115.0 | 52.0      | 115.0 | 53.0     | 117.0 | 82.5  | 182.0 |
| 14    | 51.0         | 113.0 | 37.5    | 83.0  | 41.5      | 91.5  | 39.0     | 86.0  | 60.0  | 132.0 | 86.0         | 190.0 | 73.0    | 161.0 | 73.0      | 161.0 | 73.0     | 161.0 | 108.0 | 238.0 |
| 16    | 61.5         | 136.0 | 44.5    | 98.0  | 53.0      | 117.0 | 47.0     | 103.0 | 81.0  | 178.0 | 112.0        | 247.0 | 88.0    | 194.0 | 88.0      | 194.0 | 88.0     | 194.0 | 139.0 | 306.0 |
| 18    | 71.5         | 158.0 | 54.0    | 119.0 | 59.0      | 130.0 | 57.0     | 126.0 | 93.0  | 205.0 | 141.0        | 310.0 | 115.0   | 253.0 | 115.0     | 253.0 | 115.0    | 253.0 | 178.0 | 392.0 |
| 20    | 85.0         | 187.0 | 72.0    | 158.0 | 74.0      | 163.0 | 76.0     | 167.0 | 127.0 | 280.0 | 173.0        | 382.0 | 139.0   | 306.0 | 139.0     | 306.0 | 139.0    | 306.0 | 228.0 | 503.0 |
| 24    | 119.0        | 262.0 | 95.0    | 209.0 | 99.0      | 218.0 | 97.0     | 214.0 | 190.0 | 419.0 | 248.0        | 546.0 | 212.0   | 467.0 | 212.0     | 467.0 | 212.0    | 467.0 | 350.0 | 772.0 |

| SIZE  | CLASS 600    |       |         |       |           |       |          |       |       |       | CLASS 900    |        |         |        |           |        |          |        |       |        |
|-------|--------------|-------|---------|-------|-----------|-------|----------|-------|-------|-------|--------------|--------|---------|--------|-----------|--------|----------|--------|-------|--------|
|       | WELDING-NECK |       | SLIP-ON |       | LAP JOINT |       | THREADED |       | BLIND |       | WELDING-NECK |        | SLIP-ON |        | LAP JOINT |        | THREADED |        | BLIND |        |
|       | Kg           | Lb    | Kg      | Lb    | Kg        | Lb    | Kg       | Lb    | Kg    | Lb    | Kg           | Lb     | Kg      | Lb     | Kg        | Lb     | Kg       | Lb     | Kg    | Lb     |
| 1/2   | 0.9          | 2.0   | 0.8     | 1.8   | 0.8       | 1.8   | 0.9      | 2.0   | 0.8   | 1.8   | 2.1          | 4.6    | 1.8     | 4.0    | 1.8       | 4.0    | 1.8      | 4.0    | 1.9   | 4.2    |
| 3/4   | 1.6          | 3.5   | 1.4     | 3.1   | 1.4       | 3.1   | 1.4      | 3.1   | 1.4   | 3.1   | 2.7          | 5.9    | 2.4     | 5.3    | 2.3       | 5.0    | 2.3      | 5.0    | 2.7   | 6.0    |
| 1     | 1.9          | 4.2   | 1.7     | 3.7   | 1.7       | 3.7   | 1.8      | 4.0   | 1.7   | 3.7   | 3.9          | 8.6    | 3.6     | 7.9    | 3.6       | 7.9    | 3.6      | 7.9    | 3.7   | 8.1    |
| 1 1/4 | 2.6          | 5.8   | 2.1     | 4.6   | 2.1       | 4.6   | 2.3      | 5.0   | 2.4   | 5.3   | 4.5          | 9.9    | 4.1     | 9.0    | 4.1       | 9.0    | 4.1      | 9.0    | 4.3   | 9.5    |
| 1 1/2 | 3.6          | 8.0   | 3.1     | 6.8   | 3.1       | 6.8   | 3.3      | 7.3   | 3.4   | 7.5   | 6.2          | 13.7   | 5.4     | 12.0   | 5.4       | 12.0   | 5.4      | 12.0   | 5.9   | 13.0   |
| 2     | 4.7          | 10.4  | 3.9     | 8.6   | 3.9       | 8.6   | 4.0      | 8.8   | 4.4   | 9.7   | 11.3         | 24.9   | 10.5    | 23.1   | 10.5      | 23.1   | 10.5     | 23.1   | 11.3  | 24.9   |
| 2 1/2 | 4.8          | 15.0  | 5.4     | 11.9  | 5.4       | 11.9  | 5.5      | 12.1  | 6.8   | 15.0  | 16.3         | 36.0   | 15.8    | 34.8   | 15.8      | 34.8   | 15.8     | 34.8   | 16.0  | 35.2   |
| 3     | 8.7          | 19.3  | 7.3     | 16.1  | 7.3       | 16.1  | 7.4      | 16.3  | 8.9   | 19.7  | 15.0         | 33.0   | 12.3    | 27.0   | 11.8      | 26.0   | 12.3     | 27.0   | 16.8  | 37.0   |
| 3 1/2 | 11.6         | 25.5  | 9.0     | 19.8  | 9.0       | 19.8  | 9.2      | 20.2  | 12.7  | 28.0  | -            | -      | -       | -      | -         | -      | -        | -      | -     | -      |
| 4     | 18.4         | 40.5  | 16.5    | 36.4  | 16.1      | 35.5  | 16.8     | 37.0  | 18.6  | 41.0  | 24.0         | 52.8   | 23.2    | 51.0   | 22.6      | 49.8   | 23.2     | 51.0   | 24.5  | 54.0   |
| 5     | 31.0         | 68.0  | 28.5    | 62.8  | 27.5      | 60.6  | 28.5     | 62.8  | 30.8  | 68.0  | 38.5         | 85.0   | 37.5    | 82.6   | 36.5      | 80.5   | 37.5     | 82.6   | 39.5  | 87.0   |
| 6     | 37.0         | 81.4  | 36.2    | 79.8  | 35.4      | 78.0  | 36.2     | 79.8  | 38.0  | 83.6  | 50.0         | 110.0  | 48.3    | 106.0  | 47.5      | 105.0  | 48.3     | 106.0  | 51.5  | 113.5  |
| 8     | 54.5         | 120.0 | 51.5    | 114.0 | 49.5      | 109.0 | 51.5     | 114.0 | 55.0  | 121.0 | 85.0         | 187.0  | 82.0    | 180.0  | 80.0      | 175.0  | 82.0     | 180.0  | 90.0  | 196.0  |
| 10    | 98.5         | 195.0 | 76.2    | 168.0 | 74.0      | 163.0 | 76.2     | 168.0 | 82.0  | 180.0 | 123.0        | 271.0  | 110.0   | 243.0  | 105.0     | 230.0  | 110.0    | 243.0  | 131.0 | 289.0  |
| 12    | 105.0        | 231.0 | 89.5    | 197.0 | 89.0      | 196.0 | 89.5     | 197.0 | 95.0  | 209.0 | 168.0        | 370.0  | 146.0   | 322.0  | 140.0     | 306.0  | 146.0    | 322.0  | 187.0 | 412.0  |
| 14    | 150.0        | 330.0 | 102.0   | 225.0 | 111.0     | 245.0 | 102.0    | 225.0 | 108.0 | 238.0 | 198.0        | 436.0  | 172.0   | 379.0  | 160.0     | 354.0  | 172.0    | 379.0  | 224.0 | 494.0  |
| 16    | 177.0        | 390.0 | 150.0   | 330.0 | 165.0     | 363.0 | 150.0    | 330.0 | 165.0 | 363.0 | 225.0        | 495.0  | 192.0   | 423.0  | 180.0     | 396.0  | 192.0    | 423.0  | 259.0 | 570.0  |
| 18    | 228.0        | 503.0 | 180.0   | 397.0 | 194.0     | 428.0 | 180.0    | 397.0 | 200.0 | 440.0 | 318.0        | 701.0  | 272.0   | 600.0  | 250.0     | 549.0  | 272.0    | 600.0  | 383.0 | 844.0  |
| 20    | 285.0        | 628.0 | 231.0   | 509.0 | 255.0     | 562.0 | 231.0    | 509.0 | 240.0 | 528.0 | 376.0        | 829.0  | 330.0   | 727.0  | 300.0     | 660.0  | 330.0    | 727.0  | 482.0 | 1063.0 |
| 24    | 372.0        | 820.0 | 330.0   | 727.0 | 362.0     | 798.0 | 330.0    | 727.0 | 340.0 | 748.0 | 680.0        | 1498.0 | 632.0   | 1393.0 | 580.0     | 1270.0 | 632.0    | 1393.0 | 905.0 | 1995.0 |