



# COX INDUSTRIES

## STUD WELDING

### ESTIMATED WEIGHTS OF NON-THREADED STUDS IN POUNDS PER 1000 PIECES

| LENGTH          | 3/16 DIA | 1/4 DIA | 5/16 DIA | 3/8 DIA | 7/16 DIA | 1/2 DIA | 5/8 DIA | 3/4 DIA | 7/8 DIA |
|-----------------|----------|---------|----------|---------|----------|---------|---------|---------|---------|
| 3/4"            | 6        | 10.5    | 16.4     | 23.5    | 31.9     | 41.7    |         |         |         |
| 1"              | 8        | 14      | 21.8     | 31.3    | 42.5     | 55.6    | 86.6    |         |         |
| 1-1/4"          | 10       | 17.5    | 27.3     | 39.1    | 53.1     | 69.5    | 108.3   | 156     |         |
| 1-1/2"          | 12       | 21      | 32.7     | 47      | 63.8     | 83.4    | 129.9   | 187.2   | 255     |
| 1-3/4"          | 14       | 24.5    | 38.2     | 54.8    | 74.4     | 97.3    | 151.6   | 218.4   | 297.5   |
| 2"              | 16       | 28      | 43.6     | 62.6    | 85       | 111.2   | 173.2   | 249.6   | 340     |
| 2-1/4"          | 18       | 31.5    | 49.1     | 70.4    | 95.6     | 125.1   | 194.9   | 280.8   | 382.5   |
| 2-1/2"          | 20       | 35      | 54.5     | 78.3    | 106.3    | 139     | 216.5   | 312     | 425     |
| 2-3/4"          | 22       | 38.5    | 60       | 86.1    | 116.9    | 152.9   | 238.2   | 343.2   | 467.5   |
| 3"              | 24       | 42      | 65.4     | 93.9    | 127.5    | 166.8   | 259.8   | 374.4   | 510     |
| 3-1/4"          | 26       | 45.5    | 70.9     | 101.1   | 138.1    | 180.7   | 281.5   | 405.6   | 552.5   |
| 3-1/2"          | 28       | 49      | 76.3     | 109.6   | 148.8    | 194.6   | 303.1   | 436.8   | 595     |
| 3-3/4"          | 30       | 52.5    | 81.8     | 117.4   | 159.4    | 208.5   | 324.8   | 468     | 637.5   |
| 4"              | 32       | 56      | 87.2     | 125.2   | 170      | 222.4   | 346.4   | 799.2   | 680     |
| 4-1/4"          | 34       | 59.5    | 92.7     | 133     | 180.6    | 236.3   | 368.1   | 530.4   | 722.5   |
| 4-1/2"          | 36       | 63      | 98.1     | 140.9   | 191.3    | 250.2   | 389.7   | 561.6   | 765     |
| 4-3/4"          | 38       | 66.5    | 103.6    | 148.7   | 201.9    | 264.1   | 411.4   | 592.8   | 807.5   |
| 5"              | 40       | 70      | 109      | 156.5   | 212.5    | 278     | 433     | 624     | 850     |
| EACH ADD'L INCH | 8        | 14      | 21.8     | 31.3    | 42.5     | 55.6    | 86.6    | 124.8   | 170     |

### ESTIMATED WEIGHTS OF THREADED STUDS IN POUNDS PER 1000 PIECES

| LENGTH          | 3/16 DIA | 1/4 DIA | 5/16 DIA | 3/8 DIA | 7/16 DIA | 1/2 DIA | 5/8 DIA | 3/4 DIA | 7/8 DIA |
|-----------------|----------|---------|----------|---------|----------|---------|---------|---------|---------|
| 3/4"            | 4.2      | 8.3     | 12.8     | 18.8    | 25.5     | 34.5    |         |         |         |
| 1"              | 5.6      | 11      | 17       | 25      | 34       | 46      | 70      |         |         |
| 1-1/4"          | 7        | 13.8    | 21.3     | 31.3    | 42.5     | 57.5    | 87.5    | 133.8   |         |
| 1-1/2"          | 8.4      | 16.5    | 25.5     | 37.5    | 51       | 69      | 105     | 160.5   | 243.8   |
| 1-3/4"          | 9.8      | 19.3    | 29.8     | 43.8    | 59.5     | 80.5    | 122.5   | 187.3   | 284.4   |
| 2"              | 11.2     | 22      | 34       | 50      | 68       | 92      | 140     | 214     | 325     |
| 2-1/4"          | 12.6     | 24.8    | 38.3     | 56.3    | 76.5     | 103.5   | 157.5   | 240.8   | 365.6   |
| 2-1/2"          | 14       | 27.5    | 42.5     | 62.5    | 85       | 115     | 175     | 267.5   | 406.3   |
| 2-3/4"          | 15.4     | 30.3    | 46.8     | 68.8    | 93.5     | 126.5   | 192.5   | 294.3   | 446.9   |
| 3"              | 16.8     | 33      | 51       | 75      | 102      | 138     | 210     | 321     | 487.5   |
| 3-1/4"          | 18.2     | 35.8    | 55.3     | 81.3    | 110.5    | 149.5   | 227.5   | 347.5   | 528.1   |
| 3-1/2"          | 19.6     | 38.5    | 59.5     | 87.5    | 119      | 161     | 245     | 374.5   | 568.8   |
| 3-3/4"          | 21       | 41.3    | 63.8     | 93.8    | 127.5    | 172.5   | 262.5   | 401.3   | 609.4   |
| 4"              | 22.4     | 44      | 68       | 100     | 136      | 184     | 280     | 428     | 560     |
| 4-1/4"          | 23.8     | 46.8    | 72.3     | 106.3   | 144.5    | 195.5   | 297.5   | 454.8   | 690.6   |
| 4-1/2"          | 25.2     | 49.5    | 76.5     | 112.5   | 153      | 207     | 315     | 481.5   | 731.3   |
| 4-3/4"          | 26.6     | 52.3    | 80.8     | 118.8   | 161.5    | 218.5   | 332.5   | 508.3   | 771.9   |
| 5"              | 28       | 55      | 85       | 125     | 170      | 230     | 350     | 535     | 812.5   |
| EACH ADD'L INCH | 5.6      | 11      | 17       | 25      | 34       | 46      | 70      | 107     | 162.5   |