



For 1" and smaller : threads are Unified inch coarse or fine series (UNC or UNF series), Class 2A, in accordance with ANSI/ASME B1.1  
 · For size larger than 1" : threads are Unified coarse or 8 thread series (UNC or 8 UN Series)  
 · Screw threads are based on System 21 of ANSI/ASME B1.3

**STUDBOLTS WEIGHT LIST(ANSI DIMENSIONS)**  
**KILOS PER 100 PIECES OF STUD BOLTS WITH 2 HVY HEX NUTS**

|        | 3/8 | 7/16 | 1/2  | 9/16 | 5/8  | 3/4  | 7/8  | 1    | 1-1/8 | 1-1/4 | 1-3/8 | 1-1/2 | 1-5/8 | 1-3/4 | 1-7/8 | 2    | 2-1/4 | 2-1/2 | 2-3/4 | 3    |
|--------|-----|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|
| 2-1/2  | 5.5 | 7.6  | 10.8 | 13.5 |      |      |      |      |       |       |       |       |       |       |       |      |       |       |       |      |
| 2-3/4  | 5.9 | 8.2  | 11.6 | 14.5 | 19.8 |      |      |      |       |       |       |       |       |       |       |      |       |       |       |      |
| 3-1/4  | 6.3 | 8.8  | 12.4 | 15.5 | 21   | 32.4 |      |      |       |       |       |       |       |       |       |      |       |       |       |      |
| 3-1/2  | 6.7 | 9.4  | 13.2 | 16.5 | 22.2 | 34.3 | 50   |      |       |       |       |       |       |       |       |      |       |       |       |      |
| 4      | 7.1 | 10   | 14   | 17.5 | 23.4 | 36.2 | 52.6 | 71.8 |       |       |       |       |       |       |       |      |       |       |       |      |
| 4-1/2  | 7.5 | 10.6 | 14.8 | 18.5 | 24.6 | 38.1 | 55.5 | 75.2 | 102   |       |       |       |       |       |       |      |       |       |       |      |
| 4-3/4  | 7.9 | 11.2 | 15.6 | 19.5 | 25.8 | 40   | 57.8 | 78.6 | 106   | 137   |       |       |       |       |       |      |       |       |       |      |
| 5      | 8.5 | 11.8 | 16.4 | 20.5 | 27   | 41.9 | 60.4 | 82   | 111   | 142   | 179   |       |       |       |       |      |       |       |       |      |
| 5-1/2  | 8.9 | 12.2 | 17.2 | 21.5 | 28.2 | 43.8 | 63   | 85.4 | 115   | 147   | 186   | 234   |       |       |       |      |       |       |       |      |
| 6      | 9.4 | 12.8 | 18   | 22.5 | 29.4 | 45.7 | 65.6 | 88.8 | 119   | 153   | 193   | 242   | 289   |       |       |      |       |       |       |      |
| 6-1/4  |     | 13.4 | 18.8 | 23.5 | 30.6 | 47.6 | 68.2 | 92.2 | 123   | 158   | 200   | 250   | 298   | 363   |       |      |       |       |       |      |
| 6-1/2  |     | 14   | 19.6 | 24.5 | 21.3 | 49.5 | 708  | 95.6 | 128   | 164   | 206   | 258   | 308   | 374   | 437   |      |       |       |       |      |
| 7      |     | 14.7 | 20.4 | 25.5 | 33.5 | 50.8 | 73.4 | 99   | 132   | 169   | 213   | 266   | 317   | 385   | 449   |      |       |       |       |      |
| 7-1/2  |     |      | 21.2 | 26.5 | 34.8 | 52.7 | 75.5 | 103  | 136   | 174   | 220   | 275   | 326   | 396   | 462   |      |       |       |       |      |
| 8      |     |      |      | 27.6 | 36.1 | 54.5 | 78   | 106  | 141   | 180   | 226   | 283   | 336   | 407   | 475   |      |       |       |       |      |
| 8-1/4  |     |      |      | 28.6 | 37.3 | 56.3 | 80.5 | 108  | 145   | 185   | 233   | 291   | 345   | 418   | 488   |      |       |       |       |      |
| 8-3/4  |     |      |      | 29.6 | 38.6 | 58.1 | 83.1 | 112  | 149   | 191   | 240   | 299   | 354   | 429   | 500   | 593  |       |       |       |      |
| 9      |     |      |      | 30.6 | 39.8 | 60   | 85.6 | 115  | 153   | 196   | 246   | 307   | 364   | 440   | 513   | 607  | 811   |       |       |      |
| 9-1/2  |     |      |      |      | 41.1 | 61.8 | 88.2 | 118  | 158   | 201   | 253   | 316   | 373   | 451   | 526   | 622  | 830   |       |       |      |
| 10     |     |      |      |      |      | 63.7 | 90.7 | 122  | 162   | 206   | 260   | 324   | 382   | 463   | 538   | 637  | 849   |       |       |      |
| 10-1/4 |     |      |      |      |      |      | 93.3 | 125  | 166   | 212   | 267   | 332   | 391   | 474   | 551   | 651  | 868   |       |       |      |
| 10-1/2 |     |      |      |      |      |      |      | 128  | 171   | 217   | 273   | 340   | 401   | 485   | 564   | 666  | 887   |       |       |      |
| 11     |     |      |      |      |      |      |      | 132  | 175   | 223   | 279   | 345   | 410   | 496   | 576   | 680  | 906   |       |       |      |
| 11-1/2 |     |      |      |      |      |      |      | 135  | 179   | 228   | 285   | 350   | 419   | 507   | 589   | 695  | 925   |       |       |      |
| 12     |     |      |      |      |      |      |      | 138  | 184   | 233   | 292   | 358   | 429   | 518   | 602   | 710  | 944   |       |       |      |
| 12-3/4 |     |      |      |      |      |      |      |      | 192   | 244   | 305   | 374   | 449   | 540   | 627   | 739  | 982   | 1255  |       |      |
| 13-1/4 |     |      |      |      |      |      |      |      | 201   | 255   | 319   | 390   | 468   | 562   | 653   | 768  | 1020  | 1301  | 1629  |      |
| 14     |     |      |      |      |      |      |      |      | 210   | 266   | 332   | 406   | 487   | 583   | 678   | 797  | 1058  | 1347  | 1685  |      |
| 14-3/4 |     |      |      |      |      |      |      |      |       | 277   | 345   | 422   | 506   | 605   | 703   | 826  | 1096  | 1394  | 1742  | 2147 |
| 15-3/4 |     |      |      |      |      |      |      |      |       | 288   | 359   | 437   | 524   | 627   | 731   | 856  | 1126  | 1440  | 1798  | 2214 |
| 16-1/2 |     |      |      |      |      |      |      |      |       |       | 372   | 453   | 543   | 649   | 756   | 884  | 1164  | 1487  | 1854  | 2282 |
| 17-1/2 |     |      |      |      |      |      |      |      |       |       | 385   | 469   | 562   | 672   | 781   | 913  | 1201  | 1533  | 1911  | 2350 |
| 18     |     |      |      |      |      |      |      |      |       |       | 399   | 485   | 581   | 690   | 801   | 942  | 1239  | 1579  | 1967  | 2417 |
| 19     |     |      |      |      |      |      |      |      |       |       |       | 501   | 600   | 716   | 832   | 971  | 1276  | 1626  | 2024  | 2484 |
| 19-1/2 |     |      |      |      |      |      |      |      |       |       |       | 517   | 619   | 738   | 858   | 1000 | 1313  | 1672  | 2080  | 2552 |
| 20 1/2 |     |      |      |      |      |      |      |      |       |       |       |       | 638   | 760   | 884   | 1029 | 1350  | 1719  | 2136  | 2620 |
| 21-1/4 |     |      |      |      |      |      |      |      |       |       |       |       | 656   | 782   | 909   | 1058 | 1388  | 1765  | 2193  | 2687 |
| 22     |     |      |      |      |      |      |      |      |       |       |       |       | 675   | 804   | 935   | 1088 | 1425  | 1811  | 2249  | 2755 |
| 23     |     |      |      |      |      |      |      |      |       |       |       |       |       |       | 960   | 1117 | 1462  | 1859  | 2306  | 2822 |
| 23-3/4 |     |      |      |      |      |      |      |      |       |       |       |       |       |       | 986   | 1146 | 1500  | 1904  | 2362  | 2860 |
| 24-1/2 |     |      |      |      |      |      |      |      |       |       |       |       |       |       | 1011  | 1176 | 1537  | 1951  | 2419  | 2957 |
| 25     |     |      |      |      |      |      |      |      |       |       |       |       |       |       |       | 1205 | 1574  | 1997  | 2475  | 3025 |
| 26     |     |      |      |      |      |      |      |      |       |       |       |       |       |       |       | 1233 | 1611  | 2043  | 2531  | 3092 |
| 27     |     |      |      |      |      |      |      |      |       |       |       |       |       |       |       |      | 1649  | 2090  | 2588  | 3160 |
| 27-1/2 |     |      |      |      |      |      |      |      |       |       |       |       |       |       |       |      | 1686  | 2136  | 2644  | 3447 |