

CD STUD LOAD STRENGTHS

| STUD MATERIAL | STUD SIZE | MAXIMUM FASTENING TORQUE (Inch Lbs.)* | ULTIMATE TENSILE LOAD (Lbs.) | MAXIMUM SHEAR LOAD (Lbs.) |
|--|-----------|---------------------------------------|------------------------------|---------------------------|
| LOW-CARBON, COPPER-FLASHED STEEL | 6-32 | 6 | 500 | 375 |
| | 8-32 | 12 | 765 | 575 |
| | 10-24 | 14 | 960 | 720 |
| | 1/4-20 | 43 | 1750 | 1300 |
| | 5/16-18 | 72 | 2900 | 2200 |
| | 3/8-16 | 106 | 4300 | 3250 |
| STAINLESS STEEL 304 | 6-32 | 10 | 790 | 590 |
| | 8-32 | 20 | 1260 | 940 |
| | 10-24 | 23 | 1530 | 1150 |
| | 1/4-20 | 75 | 2880 | 2160 |
| | 5/16-18 | 126 | 3750 | 5350 |
| | 3/8-16 | 185 | 4850 | 7150 |
| ALUMINUM ALLOY 1100 | 6-32 | 2.5 | 200 | 125 |
| | 8-32 | 5 | 295 | 185 |
| | 10-24 | 6.5 | 380 | 235 |
| | 1/4-20 | 21.5 | 670 | 415 |
| | 5/16-18 | 36 | 1125 | 695 |
| | 3/8-16 | 53 | 1660 | 1000 |
| ALUMINUM ALLOY 6061 | 6-32 | 6.5 | 350 | 160 |
| | 8-32 | 13 | 560 | 229 |
| | 10-24 | 19 | 670 | 310 |
| | 1/4-20 | 40 | 1240 | 679 |
| | 5/16-18 | 70.5 | 2025 | 1210 |
| | 3/8-16 | 100 | 2985 | 1750 |
| BRASS 70-30 (260) 65-35 (268) | 6-32 | 8 | 600 | 390 |
| | 8-32 | 16 | 860 | 560 |
| | 10-24 | 18.5 | 1040 | 680 |
| | 1/4-20 | 61 | 1950 | 1275 |
| | 5/16-18 | 102 | 3280 | 2140 |
| | 3/8-16 | 150 | 4800 | 3160 |

*These values should develop fastener tension to slightly less than yield point.

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All information contained herein subject to change without notice.