



SureTie Fastener Performance Data

12-24 T/3

5/1/07

| | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Steel plate | 22 ga.(.0269) | 20 ga.(.0329) | 18 ga.(.0428) | 16 ga.(.0538) | 14 ga.(.0677) | 12 ga.(.0966) |
| Pullout (lbs) | 377 | 457 | 771 | 685 | 930 | 1075 |

12-24 thread form

| | |
|------------------------------|-------------|
| Ultimate Shear (lbs) | 1400 |
| Ultimate Torsional (in. lbs) | 100 |
| Ultimate Shear (lbs) | 3020 |

All values are ultimate averages achieved under laboratory conditions. An appropriate safety factor must be applied to these values by a design professional to achieve design loads.

Pullout Failure mode: In all cases, the steel gauge material failed. Shear, Torsional and Tensile tests were performed until the ultimate failure of the fasteners.

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