

Product Category: Rigid Framing Connector
Product Name: SmartFrame® TuffAnchor SFTA Patent Pending

Product Description:

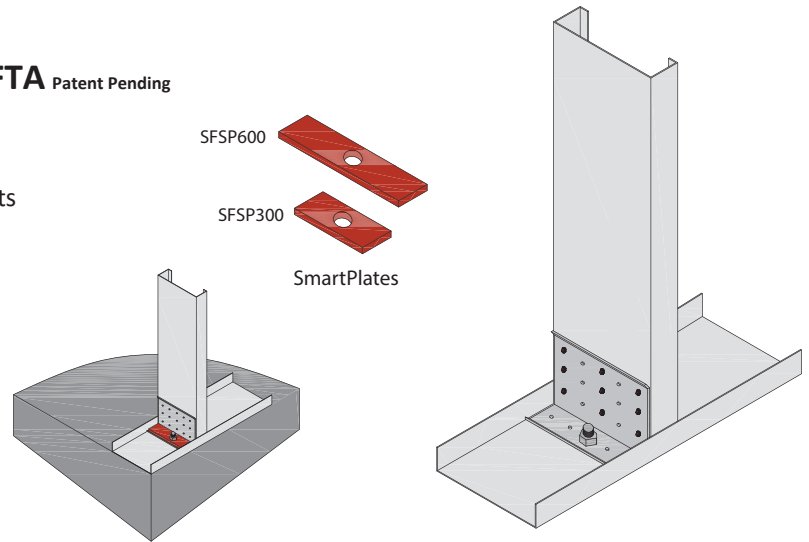
TuffAnchor Connectors are used to secure steel framing products to the buildings structure to resist uplift and tension loads.

Material:

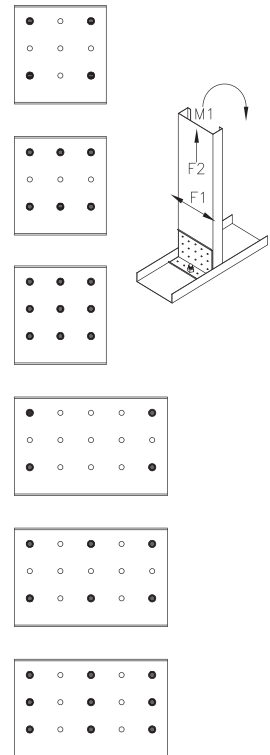
54mil thickness - 16 gauge, 0.0566" design thickness.
 97mil thickness - 12 gauge, 0.1017" design thickness.
 ASTM A1003 coating.

Products:

SFTA300-54, SFTC300-97
 SFTA600-54, SFTA600-97



| Part Numbers | Stud Thickness | | F1 (lbs) | | | F2 (lbs) | | | M1 (in-lbs) | | |
|------------------------------------|----------------|-------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|
| | Mils | Gauge | (4) Screws | (6) Screws | (9) Screws | (4) Screws | (6) Screws | (9) Screws | (4) Screws | (6) Screws | (9) Screws |
| SFTA300-54 | 33 | 20 | 332 | 439 | 577 | 190 | 190 | 190 | 320 | 320 | 320 |
| | 43 | 18 | 493 | 652 | 857 | 190 | 190 | 190 | 320 | 320 | 320 |
| | 54 | 16 | 760 | 1004 | 1320 | 190 | 190 | 190 | 320 | 320 | 320 |
| | 68 | 14 | 760 | 1004 | 1320 | 190 | 190 | 190 | 320 | 320 | 320 |
| SFTA300-97 | 97 | 12 | 760 | 1004 | 1320 | 190 | 190 | 190 | 320 | 320 | 320 |
| | 33 | 20 | 550 | 550 | 577 | 620 | 620 | 620 | 1040 | 1040 | 1040 |
| | 43 | 18 | 550 | 652 | 857 | 620 | 620 | 620 | 1040 | 1040 | 1040 |
| | 54 | 16 | 760 | 1004 | 1320 | 620 | 620 | 620 | 1040 | 1040 | 1040 |
| SFTA300-97 with SmartPlate SFSP300 | 68 | 14 | 760 | 1004 | 1320 | 620 | 620 | 620 | 1040 | 1040 | 1040 |
| | 97 | 12 | 760 | 1004 | 1320 | 620 | 620 | 620 | 1040 | 1040 | 1040 |
| | 33 | 20 | 708 | 1062 | 1410 | 708 | 1062 | 1593 | 1065 | 1300 | 1598 |
| | 43 | 18 | 1052 | 1410 | 1410 | 1052 | 1578 | 2350 | 1583 | 1932 | 2375 |
| SFTA600-54 | 54 | 16 | 1410 | 1410 | 1410 | 1620 | 2350 | 2350 | 2438 | 2570 | 2570 |
| | 68 | 14 | 1410 | 1410 | 1410 | 1620 | 2350 | 2350 | 2438 | 2570 | 2570 |
| | 97 | 12 | 1410 | 1410 | 1410 | 1620 | 2350 | 2350 | 2438 | 2570 | 2570 |
| | 33 | 20 | 464 | 595 | 854 | 200 | 200 | 200 | 620 | 620 | 620 |
| SFTA600-97 | 43 | 18 | 689 | 884 | 1269 | 200 | 200 | 200 | 620 | 620 | 620 |
| | 54 | 16 | 1062 | 1361 | 1954 | 200 | 200 | 200 | 620 | 620 | 620 |
| | 68 | 14 | 1062 | 1361 | 1954 | 200 | 200 | 200 | 620 | 620 | 620 |
| | 97 | 12 | 1062 | 1361 | 1954 | 200 | 200 | 200 | 620 | 620 | 620 |
| SFTA600-97 with SmartPlate SFSP600 | 33 | 20 | 708 | 1030 | 1030 | 690 | 690 | 690 | 1743 | 1880 | 1880 |
| | 43 | 18 | 1030 | 1030 | 1269 | 690 | 690 | 690 | 1880 | 1880 | 1880 |
| | 54 | 16 | 1062 | 1361 | 1954 | 690 | 690 | 690 | 1880 | 1880 | 1880 |
| | 68 | 14 | 1062 | 1361 | 1954 | 690 | 690 | 690 | 1880 | 1880 | 1880 |
| SFTA600-97 with SmartPlate SFSP300 | 97 | 12 | 1062 | 1361 | 1954 | 690 | 690 | 690 | 1880 | 1880 | 1880 |
| | 33 | 20 | 708 | 1062 | 1593 | 708 | 1062 | 1593 | 1743 | 1887 | 2614 |
| | 43 | 18 | 1052 | 1578 | 2270 | 1052 | 1578 | 2090 | 2590 | 2803 | 3885 |
| | 54 | 16 | 1620 | 2270 | 2270 | 1620 | 2090 | 2090 | 3988 | 4180 | 4180 |
| SFTA600-97 with SmartPlate SFSP600 | 68 | 14 | 1620 | 2270 | 2270 | 1620 | 2090 | 2090 | 3988 | 4180 | 4180 |
| | 97 | 12 | 1620 | 2270 | 2270 | 1620 | 2090 | 2090 | 3988 | 4180 | 4180 |



Notes:

1. Attach SmartFrame Connector to steel framing with #12 self-drilling screws.
2. Values shown are for preliminary purposes only based on applied loads to stud fasteners and do not consider anchorage to structure.
3. It is the responsibility of the design professional to engineer and detail proper connector installation.
4. This document, dated 7/1/17, supercedes all previous versions.