



16" TITE-LOC, 22 GA STEEL

Negative Design Loads

Span	ASTM 1592 Load	AISI Design Load, 2.0 Safety Factor	USOE Design Load: 1.65 Safety Factor
1.00	140.4	-70.20	-85.09
1.50	132.93	-66.47	-80.56
2.00	124.80	-62.40	-75.64
2.50	116.03	-58.02	-70.32
3.00	106.60	-53.30	-64.61
3.50	96.53	-48.27	-58.50
4.00	85.80	-42.90	-52.00
4.50	74.43	-37.22	-45.11
5.00	62.40	-31.20	-37.82

NOTES

1. Testing conducted per ASTM E-1592 Air Bag testing, negative uplifts.
2. Actual testing conducted at 1' 0", 2' 0", and 5' 0" spacing. Intermediate values have been interpolated.
3. All tests were performed by Farabaugh Engineering & Testing.
- 4 Tests results are highlighted.
5. Open Frame Testing, panel clips attached to 16 Gauge Z Purlins for test module above

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