

# TEST DATA



## #1004 Type III Anchor

A tension/pull out load was applied to samples using a loading fixture positions in a calibrated testing machine. (The triangular tie was positioned in a slot position as indicated.) A proof load of 100 lbs. was applied and held for 30 seconds with a final deflection reading in inches taken prior to continuing to failure.

### TEST RESULTS

Piece#	PROOF Load (LBS)	Deflection	Ultimate Load (LBS)	Comments
9-13-94-1	100	0.057	1,392	Center pull, tie failure
9-13-94-2	100	0.049	1,200	Center pull, tie failure
9-13-94-3	100	0.058	1,160	Center pull, tie failure
9-13-94-4	100	0.016	964	End pull, tie failure
9-13-94-5	100	0.014	1,040	End pull, tie failure
9-13-94-6	100	0.015	1,040	End pull, tie failure
9-13-94-7	100	0.022	1,048	Center pull, tie failure
9-13-94-8	100	0.027	1,272	Center pull, tie failure
9-13-94-9	100	0.034	1,192	Center pull, tie failure
9-13-94-10	100	0.009	1,184	End pull, tie failure
9-13-94-11	100	0.009	1,104	End pull, tie failure
9-13-94-12	100	0.007	1,136	End pull, tie failure

**Type III plates with 3/16" Triangles.**  
**Test samples 1 through 6 are 14ga., and test samples 7 through 12 are 12ga.**

### COMPRESSION TEST RESULTS

Piece#	PROOF Load (LBS)	Deflection	Ultimate Load (LBS)	Comments
2-5-97-1	100	0.020	516	Bent Wire
2-5-97-2	100	0.024	432	Bent Wire
2-5-97-3	100	0.013	454	Bent Wire
2-5-97-4	100	0.012	421	Bent Wire
2-5-97-5	100	0.027	525	Bent Wire
2-5-97-6	100	0.012	415	Bent Wire

**14 gauge Type III plate with 3/16" x 5" Triangle.**      **Carbon Steel Yield Strength: 30 – 40 ksi**  
**Stainless Steel Yield Strength 45 – 55 ksi**

Corporate Office: 400 Rountree Rd Charlotte, NC 28217  
TEL: (800) 849-6722 FAX: (704) 525-3761  
Mailing Address: P.O. Box 240988 Charlotte, NC 28224



Memphis Plant: 2365 Harbor Ave. Memphis, TN 38113  
TEL: (800) 441-8359 FAX: (901) 775-9449  
Mailing Address: P.O. Box 13124 Memphis, TN 38113