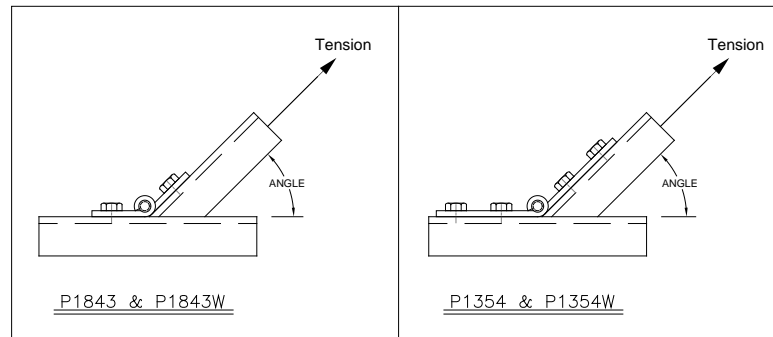


DESIGN LOAD REPORT

Part Description: Hinge Fittings – P1843, P1843W, P1354 & P1354W
Report Date: December 29, 2005



P/N	Angle	Ave. Ultimate Tension (lbs)	Design Tension Load (lbs)
P1843	0°	4,700	1,500
	45°	4,300	1,400
P1354	0°	4,800	1,600
	45°	4,400	1,400
P1843W	0°	10,000	1,500
	45°	7,000	1,500
P1354W	0°	11,600	3,000
	45°	7,100	2,300

NOTES

1. Average Ultimate Loads from Tests T-001 thru T-004
2. Testing Based on 1/2"-13 Channel Nut & Cap Screw Torqued to 50 ft-lbs
3. Deflection Readings Not Taken
4. Design Loads Limited to Lesser of:
 - A. Average Ultimate Load / 3 SF, or
 - B. Total Slip Capacity of 1/2"-13 Channel Nuts (1,500 lbs each)

Unistrut Engineering