

## PERFORMANCE TABLES –Vertical/Horizontal Mount

### Sheet Steel Gauges

GAUGE NO.	26	24	22	20	18	16	14	12	3/16"	1/4"
Nominal Decimal Equivalent	.018	.024	.030	.036	.048	.060	.075	.105	.188	.250

### Ultimate Pullout Values (Avg. Lbs. Ultimate) – SAMMYS

FASTENER			STEEL GAUGE (Lbs.)						
MODEL	DIA.	PT	20	18	16	14	12	3/16"	1/4"
DST 516	5/16"	#3	457	568	1209	1712	2422	-----	-----

### Aluminum Curtain Wall Extrusion Ultimate Pullout Values

(AVERAGE LBS. ULTIMATE)						
FASTENER			THICKNESS			
MODEL	DIA.	PT.	.114	.092	.365	.132
DST 10	1/4	#3	1265	-----	2750	-----

### Ultimate Pullout Values (Avg. Lbs. Ultimate) – SIDEWINDERS

FASTENER			STEEL GAUGE (LBS.)						
MODEL	DIA.	PT	20	18	16	14	12	3/16"	1/4"
SWDR 1"	1/4"	#3	1900	-----	-----	1900	-----	-----	-----
SWDR 516	5/16"	#3	2480	-----	-----	2480	-----	-----	-----

## PERFORMANCE TABLES –Seismic Restraint

### Maximum Rod Length for $l/r=100, 200, 300, \text{ and } 400$

RESTRAINT SHAPE AND SIZE	NOMINAL DIAMETER	AREA (in. <sup>2</sup> )	LEAST RADIUS OF GYRATION, $r$ (in.)	MAXIMUM ROD LENGTH FOR $l/r$ (ft)			
				$l/r = 100$	$l/r = 200$	$l/r = 300$	$l/r = 400^*$
Rods (all thread)	3/8 in.	0.07	0.075	0.6	1.3	1.9	2.5
	1/2 in.	0.129	0.101	0.8	1.7	2.5	3.4
Rods (threaded at ends only)	3/8 in.	0.11	0.094	0.8	1.6	2.4	3.1
	1/2 in.	0.196	0.125	1.0	2.1	3.1	4.2

Reference: NFPA 13, (2007) \*