

PERFORMANCE TABLES

Sheet Steel Gauges

GAUGE NO.	12	14	16	18	20	22	24	26
Nominal Decimal Equivalent (Inch)	.105	.075	.060	.048	.036	.030	.024	.018

Pullout Values (Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lbs.)									
DIA.	PT	26	24	22	20	18	16	14	12	3/16	1/4
#10	3	124	208	266	299	499	708	967	1474	-----	-----
#12	2	156	243	283	375	605	848	1181	1856	3520	-----
	3	142	211	289	341	551	757	1063	1631	2998	-----
#12	4	-----	-----	-----	-----	-----	-----	-----	1532	3485	3844
	4.5	-----	-----	-----	-----	-----	-----	-----	1508	3865	4104
	5	-----	-----	-----	-----	-----	-----	-----	1527	3701	3999
1/4	1	208	329	428	562	800	1151	-----	-----	-----	-----
	3	141	231	293	346	613	880	1145	1877	4550	-----
	5	-----	-----	-----	-----	-----	607	918	1507	3300	5059

Shear Values (Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lapped)									
DIA.	PT	26	24	22	20	18	16	14	12	1/8	1/4
#10	3	-----	445	526	728	1266	1540	1552	-----	-----	-----
#12	2	365	600	623	898	1370	1758	2138	-----	-----	-----
	3	-----	-----	-----	769	1358	1620	1970	1986	-----	-----
#12	4	-----	-----	-----	-----	-----	-----	-----	2048	2030	-----
	4.5	-----	-----	-----	-----	-----	-----	-----	2641	2887	-----
	5	-----	-----	-----	-----	-----	-----	-----	2650	2700	-----
1/4	1	511	849	885	1244	1764	-----	-----	-----	-----	-----
	3	-----	-----	-----	930	1442	2100	2584	2650	-----	-----
	5	-----	-----	-----	-----	-----	1597	2005	2350	2792	3310

Fastener Values

FASTENER (Dia-TPI)	TENSILE (Lbs. Min.)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
10-16	1936	1400	61
12-14	2778	2000	92
12-24	3020	2100	100
1/4-14	4060	2600	150
1/4-28	5577	3310	234

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.