

# TEKS Wood-To-Metal Applications

## 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
#10-16	3	-----	208	266	299	499	708	967	1474	-----	-----
#10-24	3	-----	-----	-----	334	495	702	900	1570	3865	4101
#12	4	-----	-----	-----	-----	-----	-----	-----	1508	4297	-----
1/4	4	-----	-----	-----	-----	-----	-----	-----	1803	-----	-----

### Shear Values (Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lapped)					
DIA.	PT	20	18	16	14	12	1/8
#10	3	728	1266	1540	1522	-----	-----
#12	4	-----	-----	-----	-----	2048	2030
1/4	4	-----	-----	-----	-----	2650	2820

### Fastener Values

FASTENER (Dia-TPI)	TENSILE (Lbs. Min)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
10-16	1936	1400	61
10-24	2702	1500	65
12-24	3165	2200	150
1/4-20	3860	2700	168

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.