TECHNICAL INFORMATION
TEKS® Fasteners

STRENGTH

Fastener Size	Tensile (lbs. Min)	Torque (min. in. lbs.)	Shear (avg. lbs. ult.)
#8 - 18	1545	42	1000
#10 - 16	1936	61	1400
#12 - 14	2778	92	2000
#12 - 24	3165	150	2200
1/4" - 14	4060	150	2600
1/4" - 28	5577	234	3310

This data is the result of test performed under laboratory conditions. The data is provided only as a guide as results may vary under actual assembly conditions.

ULTIMATE PULLOUT LOADS (POUNDS)

SIZE	POINT	20	18	16	14	12	3/16	1/4
#8 - 18	2	298	491	703	959			
#10 - 16	3		499	708	967	1474		
#12 - 14	3				1063	1631	2998	
1/4" - 14	3				1145	1858	4550	
#12 - 24	4.5						3865	4101
#12 - 24	5						3701	3999
1/4" - 28	5						3300	5059

Values listed in pounds

Test material: Cold rolled steel Material hardness: Steel Rb 70-82

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MATERIAL THICKNESS GUIDELINES

SIZE	POINT	MINIMUM THICKNESS		MAXIMUM THICKNESS	
#8 - 18	2	0.036	20 Gauge	0.080	14 Gauge
#10 - 16	3	0.036		0.175	7 Gauge
#12 - 14	3	0.036		0.210	5 Gauge
1/4" - 14	3	0.036		0.210	
#12 - 24	4	0.125	10 Gauge	0.250	1/4"
#12 - 24	4.5	0.125		0.375	3/8"
#12 - 24	5	0.250	1/4"	0.500	1/2"
1/4" - 28	5	0.250		0.500	

Capacities may vary by modification to the fastener or in certain applications. The above table is intended as a guide and does not constitute a warranty of any type.

INSTALLATION TOOL

Standard 2000 to 2500 RPM variable speed screw guns with 4 to 5 amps and a positive clutch and, or depth locating nose piece are recommended. DO NOT USE IMPACT TYPE GUNS.

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