

# Tinnerman® Single Thread Engaging Self-Retaining Fasteners

The dimensions of the above parts are envelope dimensions only. For complete design information, please request a blueprint from your Tinnerman representative or the Tinnerman Engineering department.

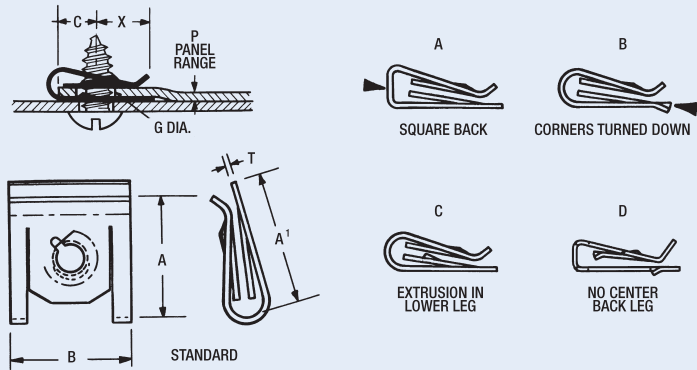
*Metric parts listed in italic*



## U-Type Wide Panel Range Fasteners

This innovative line of **Tinnerman® U-Nuts Fasteners** accommodates an unusually wide range of panel thicknesses from .025" to .150" which satisfies most needs for sheet metal and plastics assembly. A single **Wide Range U-Nut** can replace as many as 5 or 6 separate size nuts required to cover the same capacity. And, it can be supplied in **8AB** thru **14AB** thread sizes.

Engineering, purchasing and manufacturing all benefit from this unique concept. It provides a greater design flexibility and volume purchase economy. It reduces the separate number of parts to buy, stock, handle and inspect. It simplifies application and speeds assembly.



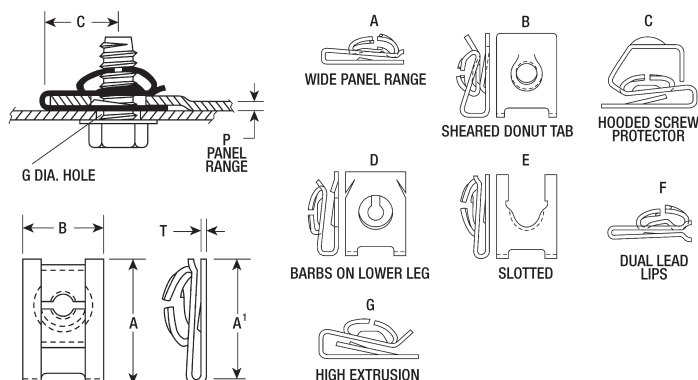
Screw Size	Panel Range	Des. Var.	A	A1	B	C	X	G	T	Part Number
<b>8B or AB</b>	.025-.150	AC	.740	.770	.530	.250	.390	.280	.028	D19640-8AB
	.030-.070	D	.740	.770	.530	.312	.415	.328	.028	D6608-8AB
	.070-.150	D	.670	.750	.530	.312	.380	.328	.028	D6377-8AB
	.090-.110	D	.740	.770	.530	.312	.350	.328	.028	D98189-8AB
<b>10A</b>	.035-.150	Std.	.650	.720	.630	.265	.350	.218	.028	C19822-10A
<b>10B</b>	.025-.150	BC	.650	.720	.630	.265	.350	.281	.031	C19527-10Z
<b>10B or AB</b>	.025-.150	AC	.740	.770	.530	.250	.390	.280	.031	D19640-10AB
<b>14B or AB</b>	.025-.150	Std.	.615	.720	.630	.265	.315	.281	.037	C19603-14Z
<b>14B</b>	.035-.150	B	.615	.720	.630	.265	.315	.281	.037	C70061-14Z



## U-Type High Torque Fasteners

**High-Torque Fasteners.** Equally at home on metal or plastic, these unique Tinnerman fasteners bring extra strength, reliability and economy wherever vibration, impact, or migration prevail.

They accept power driven screws readily, discourage cross-threading, won't clog with paint or freeze to screw threads. They are self-retaining over a wide range of panel thicknesses, yet permit trouble-free removal. Unusually high clamp loads are attainable. Prevailing torque is inherent in the design.



Screw Size	P Panel Range	Prev. Tor.	Des. Var.	A Length	A1 Length	B Width	C Ctr. Edge Max.	G Mnt. Hole Dia.	T Mat. Thick.	Part Number
<b>M4.2</b>	.500-1.000	4.4"lbs	AB	17.300	18.400	13.600	8.700	8.000	.710	C71629-M42141
	.900-1.100	—	E	16.400	18.300	13.700	9.500	8.330	.710	D98534-071M
	1.800-3.800	4.4"lbs	A	17.700	19.500	13.780	7.920	8.330	.710	D98317-071M
	1.800-3.800	4.4"lbs	C	19.100	17.400	13.400	7.920	8.330	.710	D98337-071M
	1.800-3.800	4.4"lbs	CD	19.100	17.400	13.400	7.900	8.330	.710	D98644-071M
	1.800-4.000	4.4"lbs	AB	17.300	18.400	13.600	8.700	8.000	.710	C71667-M42141
2.400-2.900	—	Std.	17.700	19.500	13.780	7.920	8.330	.710	D98418-071M	
	4.4"lbs	D	17.000	18.500	14.000	8.000	6.750	.710	D98585-071M	
<b>M4.8</b>	.810-1.630	—	E	18.100	18.100	15.050	9.700	7.900	.790	D98682-079M
<b>8AB</b>	.035-.045	5"lbs	E	.634	.720	.540	.320	.320	.028	D98320-071M
	.060-.080	—	E	.640	.720	.540	.250	.310	.028	D6519SS-8AB
<b>10AB</b>	.032-.064	3-12"lbs	DE	.825	.825	.593	.500	.312	.031	C71469-10AB
	.070-.090	8-20"lbs	A	.665	.740	.545	.310	.330	.031	D98495-079M
<b>M5</b>	2.400-2.900	4.4"lbs	D	17.000	18.500	14.000	8.000	6.750	.790	C71658-079M
<b>M6.3</b>	4.400-5.000	90"lbs	AB	25.000	24.000	19.000	14.000	10.400	.940	D98645-094M
<b>14AB</b>	.025-.050	2.25"lbs	EF	.855	.855	.593	.500	.312	.037	D44818-037
	.095-.115	—	E	.840	.840	.593	.468	.312	.037	D49839-037
<b>5/16-12</b>	.120-.150	—	E	.990	.990	.690	.500	.437	.037	D51849-037