

TEKS SELECT™

**SELECTIVE HARDENING ATTACHES SIMILAR OR DISSIMILAR METALS
SELF-DRILL AND TAPPING AND GRADE 5 PERFORMANCE INSTALLS FASTER THAN NUTS AND BOLTS**

FEATURES

- > The Selective Hardening process produces a drilling and point/lead threads which are hard enough to drill/tap through steel. The Load-Bearing area is soft enough to remain ductile, accommodating the expansion coefficients of dissimilar metals and resisting hydrogen embrittlement.
- > Teks Select fasteners have strength and ductility performance similar to the performance of Grade 5 bolts.
- > Replaces the timely process of using nuts and bolts by cutting the installation time in half. (*visit www.itwbuildex.com to see our time savings calculator*)
- > Climaseal ACR™ corrosion resistant finish provides better corrosion resistance.

**AFTER 1000 HOURS OF
5% NEUTRAL SALT SPRAY EXPOSURE**



TEKS SELECT™



DRIL-FLEX®

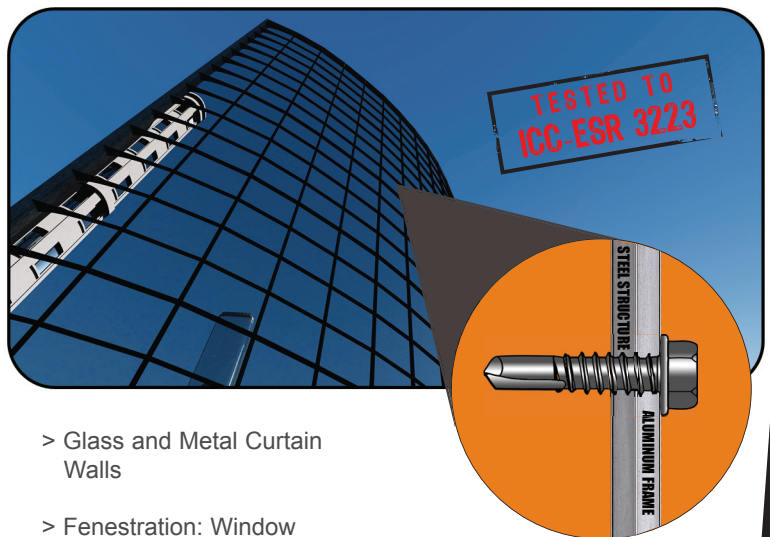
- > The integrated thread and tip design enables Teks Select to drill and tap up to 40% faster than competitive fasteners.
- > A drill point that starts faster and a more efficient thread design combine to enable the Teks Select to drill and tap with fewer stalls than other drilling and tapping fasteners.

DRIL-FLEX® SAMPLES



TEKS SELECT™ SAMPLES

APPLICATIONS





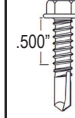


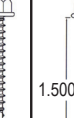


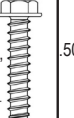
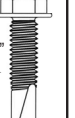

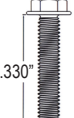
- > Glass and Metal Curtain Walls
- > Fenestration: Window Systems, Door Systems, and Store Front Systems
- > Grade 5 Nut and Bolt Substitution
- > Anchoring Metal Clips to Metal Structures for Masonry Facades
- > Solar System Attachment

PRODUCT SPECIFICATIONS



Application	Metal attachments, including aluminum to steel
Short Form Specification	Self-drilling and tapping, selectively hardened fastener with strength and ductility performance similar to a Grade 5 (1/4-20 diameter) SAE J 429 and ASTM A449 fasteners
Diameters	#10, #12, 1/4"
Thread Form	10-16, 12-14, 1/4-14, 1/4-20
Head Styles	Hex washer head, undercut Phillips flat head
Drill Point	Teks 3, Teks 4
Finish	Climaseal ACR™ corrosion-resistant finish meets a minimum of 1,000 hours salt spray per ASTM B117 standards with 0% red rust

SELECTOR GUIDE & PERFORMANCE DATA

Part Number	1076000	1112000	1080000	1132000	1114000	1117000	1119000	1121000	1124000	1125000	1078000	1126000
Description	10-16x3/4"	12-14x7/8"	12-14x1"	12-14x1"	12-14x1-1/2"	12-14x2"	1/4-14x1"	1/4-14x1-1/2"	1/4-20x1-1/8"	1/4-20x1-1/2"	1/4-20x2"	1/4-20x2-1/2"
Head Style	HWH	HWH	HWH	UPFH***	HWH	HWH	HWH	HWH	HWH	HWH	HWH	HWH
Drill Point	3	3	3	3	3	3	3	3	4	4	4	4
Drilling Cap	.150"	.187"	.187"	.187"	.187"	.187"	.210"	.210"	.210" - .312"	.210" - .312"	.210" - .312"	.210" - .312"
Max Load Bearing Area*												
Installation Tool	5/16" Driv-Tru™ Socket (P/N: 1513910)	5/16" Driv-Tru™ Socket (P/N: 1513910)	5/16" Driv-Tru™ Socket (P/N: 1513910)	#3 Phillips Bit	5/16" Driv-Tru™ Socket (P/N: 1513910)	5/16" Driv-Tru™ Socket (P/N: 1513910)	3/8" Driv-Tru™ Socket (P/N: 1574910)	3/8" Driv-Tru™ Socket (P/N: 1574910)	3/8" Driv-Tru™ Socket (P/N: 1574910)	3/8" Driv-Tru™ Socket (P/N: 1574910)	3/8" Driv-Tru™ Socket (P/N: 1574910)	3/8" Driv-Tru™ Socket (P/N: 1574910)

PULLOUT VALUES (AVERAGE LBS. ULTIMATE)

STEEL GAUGE	ksi													
		18	45.5	401	400	400	400	400	400	400	475	475		
16	63	699	561	561	561	561	561	561	631	631	827	827	827	827
14	55.5	1010	964	964	964	964	964	964	1062	1062	1258	1258	1258	1258
12	63	1680	1516	1516	1516	1516	1516	1516	1878	1878	1946	1946	1946	1946
1/8	56.9	2183	2149	2149	2149	2149	2149	2149	2320	2320	2685	2685	2685	2685
3/16	65.3		2877	2877	2497	2877	2877	2877	3668	3668	3572	3572	3572	3572
1/4	48.1										4719	4719	4719	4719
5/16	49.1										4699	4699	4699	4699
ALUMINUM 6063-T5	1/8	32.4	745	1008	1008	1008	1008	1008	1017	1017	970	970	970	970
	1/4	32.1		2543	2543	2462	2543	2543	3080	3080	2760	2760	2760	2760
	3/8	27.7									3851	3851	3851	3851

SHEAR VALUES (AVERAGE LBS. ULTIMATE)

STEEL GAUGE**	18-18	996	965	965	965	965	965	965	1100	1100	1026	1026	1026	1026
	18-14	1872	1803	1803	1803	1803	1803	1803	2132	2132	2089	2089	2089	2089
	16-16	1331	1360	1360	1360	1360	1360	1360	1414	1414	1359	1359	1359	1359
	14-14		1815	1815	1815	1815	1815	1815	2439	2439	2357	2357	2357	2357
	1/8-3/16								2636	2636	2748	2748	2748	2748
	3/16-1/4										2881	2881	2881	2881
	12-1/4										2843	2843	2843	2843
ALUMINUM 6063-T5**	1/8-1/8	1526	1846	1846	1846	1846	1846	1846	2087	2087	2106	2106	2106	2106
	1/8-1/4		2488	2488	2180	2488	2488	2488	3328	3328	3062	3062	3062	3062

MECHANICAL PROPERTIES

Yield Strength, F _y Ksi (MPa)	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa	134 ksi 920 Mpa
Tensile Strength F _u Ksi (MPa)	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa	152 ksi 1054 Mpa

* IMPORTANT: Maximum load bearing area is indicated by brackets.

** KSI values are the same as listed in the Pullout Values table.

*** Undercut Phillips Flat Head


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INSTALLATION GUIDELINES

> May be installed using a standard screw gun with a depth sensitive nosepiece. For optimal fastener performance, the screw gun should be a minimum of 6 amps and have an RPM range of 1800 to 2500 RPM.

> Overdriving may result in torsional failure of the fastener or stripout of the substrate.

> The fastener must penetrate beyond the metal structure a minimum of 3 threads.

> Reference the Selector Guide for the appropriate installation tool.