ITW Buildex

TEKS® SELECT

Self-Drilling Fasteners

Grade 5 performance! TEKS SELECT have the strength and ductility performance similar to Grade 5 bolts.

Applications

- Glass and metal curtain walls.
- Designed to meet the challenges of attaching similar or dissimilar metals.
- Grade 5 nut and bolt substitution.
- Fenestration: Window systems, door systems and glue front systems.
- Anchoring metal clups to metal structures for masonry facades.
- Solar system attachment.

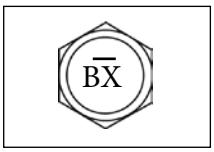
Product Features

- Selectively hardened to eliminate the effects of hydrogen assisted stress corrosion (HASCC).
- Climaseal® advanced corrosion resistance coating (ACR) provides the best corrosion resistance available.
- Drill point and thread design enable the TEKS fastener to drill and keep with fewer stalls.

Product Specifications

Diameter.....#10, #12, 1/4”
Thread Form.....10-16, 12-14, 1/4-14, 1/4-20
Head Style.....Hex Washer Head (HWH),
Drill Point.....Teks 3
Teks 4
Finish.....Climaseal ACR™ corrosion-resistant finish

Head Style



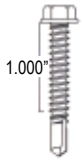
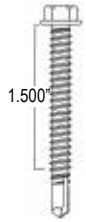
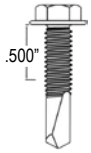
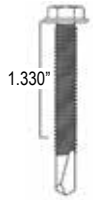
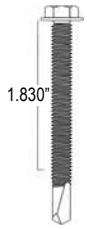
Hex Washer Head

Approvals and Listings

ICC ESR-3223, COLA RR25915

TEKS Self-Drilling Fasteners

Selector Guide / Performance Data

Part Number			1076000	1080000	1114000	1117000	1119000	1124000	1125000	1078000	1126000
Description			10-16 x 3/4"	12-14 x 1"	12-14 x 1-1/2"	12-14 x 2"	1/4-14 x 1"	1/4-20 x 1-1/8"	1/4-20 x 1-1/2"	1/4-20 x 2"	1/4-20 x 2-1/2"
Head Style			HWH	HWH	HWH	HWH	HWH	HWH	HWH	HWH	HWH
Drill Point			3	3	3	3	3	4	4	4	4
Drilling Cap			.150"	.187"	.187"	.187"	.210"	.312"	.312"	.312"	.312"
Max Load Bearing Area*											
Installation Tool			Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket	Use a 5/16" Drive Socket
PULLOUT VALUES (AVERAGE LBS. ULTIMATE)											
		ksi									
STEEL GAUGE	18	45.5	401	400	400	400	475				
	16	63	699	561	561	561	631	827	827	827	827
	14	55.5	1010	964	964	964	1062	1258	1258	1258	1258
	12	63	1680	1516	1516	1516	1878	1946	1946	1946	1946
	1/8	56.9	2183	2149	2149	2149	2320	2685	2685	2685	2685
	3/16	65.3		2877	2877	2877	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	1017	970	970	970	970
	1/4	32.1		2543	2543	2543	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	1100	1026	1026	1026	1026
	18-14		1872	1803	1803	1803	2132	2089	2089	2089	2089
	16-16		1331	1360	1360	1360	1414	1359	1359	1359	1359
	14-14			1815	1815	1815	2439	2357	2357	2357	2357
	1/8-3/16						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	2087	2106	2106	2106	2106
	1/8-1/4			2488	2488	2488	3328	3062	3062	3062	3062
MECHANICAL PROPERTIES											
Yield Stregth, 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
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

** 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*

Installation Guidelines

The screws must be installed perpendicular to the work surface using a screw driving tool. The installation speed for 1/4" screws should not exceed 1,800 RPM. The installation speed for all other screws should not exceed 2,500 RPM.

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

The screw must penetrate through the supporting metal with a minimum of three threads protruding past the back side of the supporting metal, or the length which ensures that only the load-being area of the screw is engaged in the material being fastened, whichever is greater.

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