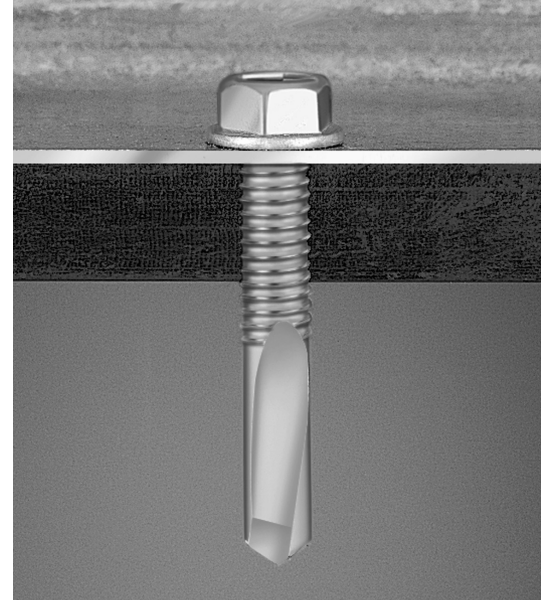


# TEKS®

## HEAVY DUTY SELF-DRILLING FASTENERS

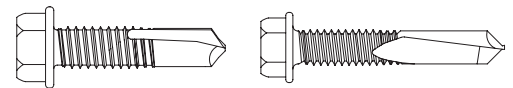
*First in performance! Over 40 years of consistent drilling.  
The original self-drillers for heavy duty applications.*



### PRODUCT FEATURES

- Engineered for fast drilling and smooth tapping with less effort.
- Climaseal® finish provides excellent corrosion resistance and lower tapping torque.
- Attachments up to 7.15" of material.
- 1/4 Diameter has notched threads to reduce tapping torque.

### SELECTOR GUIDE



PART NO.	DESCRIPTION	HEAD STYLE	DRILL POINT	FINISH	DRILL & TAP CAPACITY (IN.)	MAX. MATERIAL ATTACHMENT (IN.)	BOX QTY	APPLICATIONS
1088000	12-24 x 7/8"	5/16" HWH	#4	Climaseal	.125 - .250	.325	5,000	Metal deck, clips, liner panels or accessories to structural steel or bar joist  Longer fasteners can be used in retrofit clip and sheet applications
1414000	12-24 x 1-1/4"	5/16" HWH	#4.5	Climaseal	.125 - .250	.575	4,000	
1006000	12-24 x 1-1/4"	5/16" HWH	#5	Climaseal	.125 - .500	.375	4,000	
1070000	12-24 x 1-1/2"	5/16" HWH	#5	Climaseal	.125 - .500	.625	2,500	
1071000	12-24 x 1-1/2"	3/8" HWH	#5	Climaseal	.125 - .500	.625	2,000	
1072000	12-24 x 2"	5/16" HWH	#5	Climaseal	.125 - .500	1.125	1,000	
1074000	1/4-28 x 3"	5/16" HWH	#5	Climaseal	.125 - .500	2.150	1,000	
1075000	1/4-28 x 4"	5/16" HWH	#5	Climaseal	.125 - .500	3.150	500	
1641000	1/4-28 x 5"	3/8" HWH	#5	Climaseal	.125 - .500	4.150	3,000	
1431000	1/4-28 x 6"	3/8" HWH	#5	Climaseal	.125 - .500	5.150	2,500	
1590000	1/4-28 x 8"	3/8" HWH	#5	Climaseal	.125 - .500	7.150	2,000	

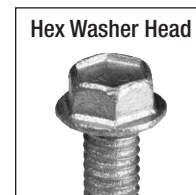
All available with bonded washer



### INSTALLATION GUIDELINES

- A standard screwgun with a depth sensitive nosepiece should be used to install TekS. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have a RPM range of 0-2500. (Maximum 1800 RPM is recommended for TekS 5 fasteners)
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- The fastener is fully seated when the head is flush with the work surface.
- 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 pitches of thread.

### HEAD STYLE



### APPROVALS AND LISTINGS

Factory Mutual (3050495), ICC ESR-3270, ICC ESR-1976

[www.itwbuildex.com](http://www.itwbuildex.com)

# PERFORMANCE DATA

PULLOUT VALUES (AVERAGE LBS. ULTIMATE)						
FASTENER						
DIA.	PT.	16	14	12	3/16"	1/4"
#12	4	–	–	1532	3485	3844
#12	4.5	–	–	1508	3865	4101
#12	5	–	–	1527	3701	3999
1/4	5	–	–	1507	3300	5059

FASTENER VALUES			
FASTENER (DIA-TPI)	TENSILE (AVG. LBS. ULT.)	SHEAR (AVG. LBS. ULT.)	TORQUE (MIN. IN. LBS.)
12-24 T/4	4750	2654	100
12-24 T4.5	4750	2654	100
12-24 T/5	4750	2654	100
1/4-28 T/5	5577	3310	234

SHEAR VALUES (AVERAGE LBS. ULTIMATE)						
FASTENER		STEEL GAUGE (LAPPED)				
DIA.	PT.	16	14	12	1/8"	1/4"
#12	4	–	–	2048	2030	–
#12	4.5	–	–	2641	2887	2897
#12	5	–	–	2650	2700	2762
1/4	5	1597	2005	2350	2792	3310

SHEET STEEL GAUGES								
GAUGE NO.	26	24	22	20	18	16	14	12
DECIMAL EQUIVALENT	.018"	.024"	.030"	.036"	.048"	.060"	.075"	.105"

**Note:** Teks fasteners are not categorized as structural bolts. Proper design criteria and strengths must be used for satisfactory application. 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.

