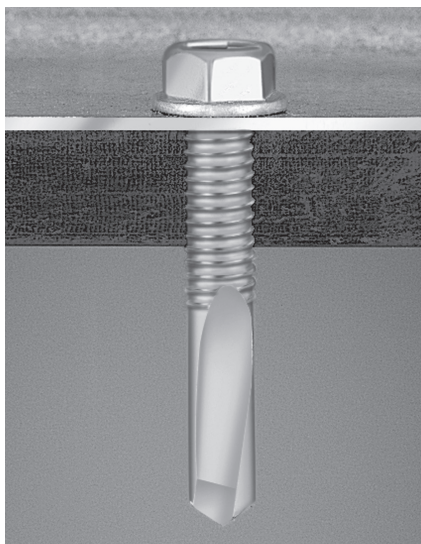


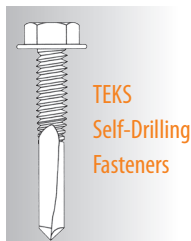
TEKS[®] Self-Drilling Fasteners

*First in
Performance!!
Over 30 Years of
Consistent Drilling*



DESCRIPTION/ADVANTAGES

Heavy Duty Steel-To-Steel Applications— THE ORIGINAL SELF-DRILLERS FOR HEAVY DUTY APPLICATIONS



- Unique double fluted point has precise cutting edges to improve drill performance in 1/4" thru 1/2" steel.
- Engineered for fast drilling and smooth tapping with less effort.
- Climaseal[®] finish provides excellent corrosion resistance and lower tapping torque.
- Attachments up to 7.2" of material including 1/2" steel.
- 1/4 Diameter has notched threads to reduce tapping torque.

SPECIFICATIONS

Diameter / 12-24
Thread Form 1/4-28

Head Styles



Hex Washer Head
(HWH)

Drill Point

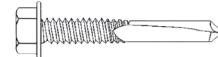
Teks 4



Teks 4.5



Teks 5



Finish

Type

Kesternich Results
(DIN 50018, 2.0L)

Salt Spray Results
(ASTM B117)

Climaseal[®] Coating (CL) 30 cycles - 10% or less red rust 720 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

1. 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)
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

TEKS Heavy Duty Steel-To-Steel Applications

APPLICATIONS



Metal deck to structural steel or bar joist.



Clips to structural steel or bar joist.



Liner panels to structural steel or bar joist.

Accessories to structural steel or bar joist.

Longer length fasteners can be used in retrofit clip and sheet applications.

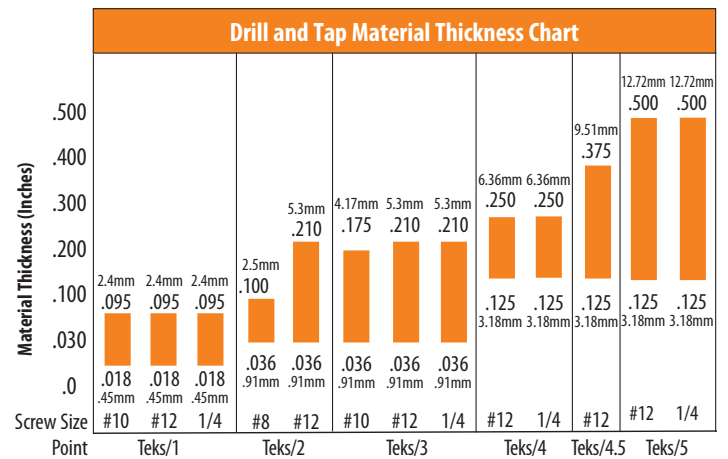
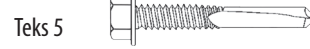
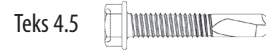
APPROVALS/LISTINGS

Factory Mutual (J.I. 2 X 9A2 AM)

ICBO 3056

ICC - ESR 1976

DRILL POINTS



*Drill & tap capacities may vary with special feature designs. Refer to product reports for specifics.

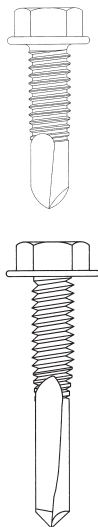
SELECTION CHART

TEKS® Fasteners

Finish: Climaseal Coating.

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	"P" PAK QTY	APPLICATIONS
1650 ^P	1088000 ^P	12-24 x 7/8"	5/16" HWH	#4	.125-.250	.325	5,000	100	- Metal deck, clips, linear panels or accessories to structural steel or bar joist
1414000	1414000	12-24 x 1-1/4"	5/16" HWH	#4.5	.125-.375	.575	4,000		
1670 ^P	1006000 ^P	12-24 x 1-1/4"	5/16" HWH	#5	.125-.500	.375	4,000	100	
1680 ^P	1070000 ^P	12-24 x 1-1/2"	5/16" HWH	#5	.125-.500	.625	2,500	100	
1690 ^P	1072000 ^P	12-24 x 2"	5/16" HWH	#5	.125-.500	1.125	2,000	100	
1074000	1074000	1/4-28 x 3"	5/16" HWH	#5	.125-.500	2.150	1,000		- Retrofit clip and sheet applications
1075000	1075000	1/4-28 x 4"	5/16" HWH	#5	.125-.500	3.150	500		
1641000	1641000	1/4-28 x 5"	3/8" HWH	#5	.125-.500	4.150	250		
1431000	1431000	1/4-28 x 6"	3/8" HWH	#5	.125-.500	5.150	250		
1590000	1590000	1/4-28 x 8"	3/8" HWH	#5	.125-.500	7.150	150		

^P Available in P PAK ^B Available in B PAK



PERFORMANCE TABLES

Sheet Steel Gauges

GAUGE NO.	12	14	16	18	20	22	24	26
Nominal Decimal Equivalent (Inch)	.105	.075	.060	.048	.036	.030	.024	.018

Pullout Values (avg. lbs. ultimate)

FASTENER		STEEL GAUGE (lbs.)				
DIA.	PT	16	14	12	3/16	1/4
#12	4	-----	-----	1532	3485	4013
	4.5	-----	-----	1508	3865	4101
	5	-----	-----	1527	3701	3999
1/4	5	-----	-----	1507	3300	5059

Shear Values (avg. lbs. ultimate)

FASTENER		STEEL GAUGE (lapped)				
DIA.	PT	16	14	12	1/8	1/4
#12	4	-----	-----	2048	2030	-----
	4.5	-----	-----	2641	2887	2897
	5	-----	-----	2650	2700	2762
1/4	5	1597	2005	2350	2792	3310

Fastener Values

FASTENER (dia-tpi)	PT	TENSILE (lbs. min)	SHEAR (avg. lbs. ult.)	TORQUE (min. in. lbs.)
12-24	4	3020	2100	100
12-24	4.5	3165	2200	150
12-24	5	3020	2100	150
1/4-28	5	5577	3310	234

NOTE: Tek 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.