



ITW Buildex

2008 PRODUCT CATALOG

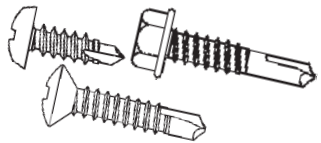

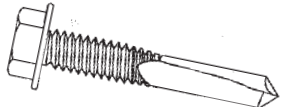
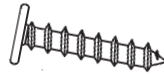

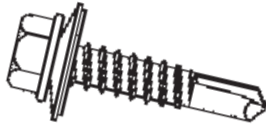
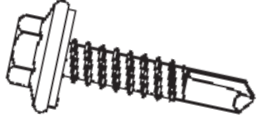
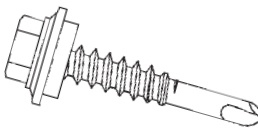

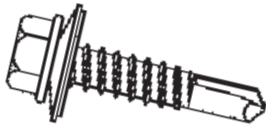


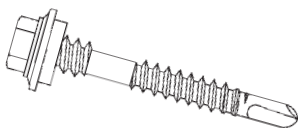


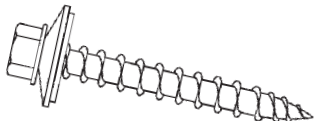


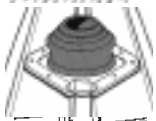
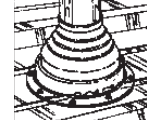




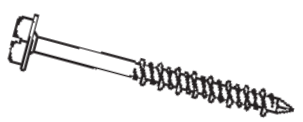
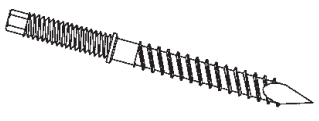


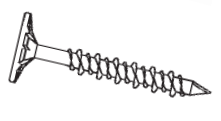
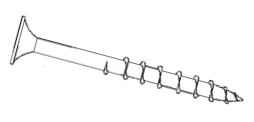

www.itwbuildex.com

800-BUILDEX

SELECTOR GUIDE

APPLICATION AND PRODUCT

5	LIGHT DUTY STEEL-TO-STEEL APPLICATIONS • #6, #8, #10, #12, and 1/4 diameter Tek® 1, 2, and 3 drill points • Hex, Pan, and Oval heads	REPORT NO. 02701	
7	MEDIUM DUTY STEEL-TO-STEEL APPLICATIONS • #12 and 1/4 diameter Tek 2 and 3 drill points • Hex head	REPORT NO. 02702	
9	HEAVY DUTY STEEL-TO-STEEL APPLICATIONS • #12, and 1/4 diameter Tek® 4, 4.5, and 5 drill points • Hex head	REPORT NO. 02703	
11	LOW PROFILE ARCHITECTURAL APPLICATIONS • #10 and #12 diameter Tek 3 and Type A points • Pancake and Hex heads	REPORT NO. 02704	
13	WOOD-TO-METAL APPLICATIONS • #10, #12, and 1/4 diameter Tek 3 and 4 drill points • Wafer and Phillips flat head and Square-Drive® heads	REPORT NO. 02705	
15	METAL ROOF AND WALL APPLICATIONS • #10, #12, and 1/4 diameter Tek 1, 2, 3, 4, 4.5 and 5 drill points • Hex with bonded washer	REPORT NO. 02706	
17	PREMIUM METAL ROOF/WALL APPLICATIONS • #10, #12, and 1/4 diameter Tek 1, 2, 3, 4, and 5 drill points • 1/4 and #17 diameter Type AB • Maxiseal® integral washer system	REPORT NO. 02707	
19	LONG LIFE METAL ROOF AND WALL APPLICATIONS • #12 and 1/4 diameter Tek 1, 2, 3, and 5 drill points • 1/4 and #17 diameter Type AB • Scots 300SS encapsulated head	REPORT NO. 02708	
21	LIGHT/MEDIUM DUTY STEEL-TO-STEEL APPLICATIONS • #8, #10, #12, and 1/4 diameter 410 Stainless Steel Tek 2 and 3 drill points • Hex head	REPORT NO. 040101	
23	LIGHT/MEDIUM DUTY STEEL-TO-STEEL APPLICATIONS • #10, #12, and 1/4 diameter 410 Stainless Steel Tek 3 drill point • Hex with bonded washer	REPORT NO. 040102	
25	LIGHT/MEDIUM DUTY STEEL-TO-STEEL APPLICATIONS • #14 and #17 diameter Tappers • 304 Stainless Steel/Carbon Steel • Hex with bonded washer	REPORT NO. 040601	
27	HIGH TORQUE ZINC DIE CAST • #12, 1/4, and #17 diameter Tek 1 and 2 drill points and Type AB • Maxiseal integral washer system	REPORT NO. 72100	
29	EXTERIOR RIGID INSULATION APPLICATIONS • #12 diameter • Rigid insulation Tek 3 drill point • Maxiseal integral washer system	REPORT NO. 02709	

31	METAL-TO-WOOD APPLICATIONS REPORT NO. 02711 <ul style="list-style-type: none"> • #9 and #12 diameter, gimlet point Trugrip™ GT • Hex with or without bonded washer 	
33	METAL-TO-WOOD APPLICATIONS REPORT NO. 02712 <ul style="list-style-type: none"> • #10 Type 17 and #12 diameter gimlet point Scots® Trugrip™ 	
35	FLASHING APPLICATIONS REPORT NO. 040701 <ul style="list-style-type: none"> • Dekstrip™ expandable edged flashing 	
37	PIPE FLASHING APPLICATIONS REPORT NO. 030104 <ul style="list-style-type: none"> • Dektite® EZi-Seal™ pipe flashing 	
39	PIPE FLASHING APPLICATIONS REPORT NO. 02714 <ul style="list-style-type: none"> • Dektite® and Retrofit Dektite® • EPDM and silicone for 1/4" to 18" pipes 	
41	METAL ROOF END CAP FLASHING APPLICATIONS REPORT NO. 02715 <ul style="list-style-type: none"> • Dek-Cap™ standing seam roof end cap flashing 	
43	LIGHT/MEDIUM DUTY MASONRY APPLICATIONS REPORT NO. 02717 <ul style="list-style-type: none"> • 3/16" and 1/4" diameter Tapcon® anchors • Hex and Phillips flat heads 	
45	LIGHT/MEDIUM DUTY MASONRY APPLICATIONS REPORT NO. 02718 <ul style="list-style-type: none"> • 1/4" diameter Maxi-Set Tapcon® anchors • 5/16" across flats hex with 5/8" diameter flange 	
47	EXTERIOR MASONRY APPLICATIONS REPORT NO. 02719 <ul style="list-style-type: none"> • 1/4" diameter Scots® Tapcon® anchors • 300 Series Stainless Steel HWH integral washer system 	
49	CORROSIVE ENVIRONMENT MASONRY APPLICATIONS REPORT NO. 02720 <ul style="list-style-type: none"> • 3/16" and 1/4" diameter stainless steel Tapcon® anchors • Hex and Phillips flat heads 	
51	HURRICANE PROTECTION REPORT NO. 060402 <ul style="list-style-type: none"> • 1/4" diameter direct mount storm panel Tapcon anchors 	
53	HURRICANE PROTECTION REPORT NO. 060401 <ul style="list-style-type: none"> • 3/16" and 1/4" diameter Sammys® low profile hurricane shutter fastener 	
55	DRYWALL ANCHOR APPLICATIONS REPORT NO. 02721 <ul style="list-style-type: none"> • E-Z Ancor®, Stud Solver™, Plastic Plus™, E-Z Toggle™, E-Z Lite™, E-Z Mini®, Twist-N-Lock™ 	
57	CEMENT BOARD APPLICATIONS REPORT NO. 02722 <ul style="list-style-type: none"> • HI-LO® and S-12® Rock-On™ screws/Backer On™ screws • Countersinking wafer head 	
59	EXTERIOR WOOD APPLICATIONS REPORT NO. 02723 <ul style="list-style-type: none"> • #6, #7, #8, and #10 diameter Dec-King™ screws 	
61	EXTERIOR INSULATED FINISH SYSTEM APPLICATIONS REPORT NO. 02724 <ul style="list-style-type: none"> • Gridmate™ EIFS mechanical fasteners • Gridmate™ PB EIFS mechanical fasteners 	

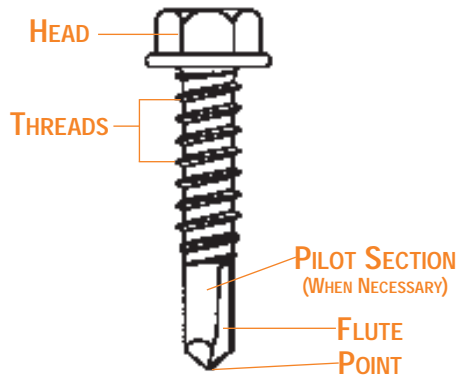
TEKS® FASTENER FEATURES

HEAD

Proper head style choice will ensure stability during driving, proper clamping and desired finished appearance.

THREAD FORM AND DIAMETER

The correct choice of thread form and diameter optimizes low installation torque with high pullout strength.



PILOT SECTION

The unthreaded portion of the point assures that the drilling of the steel is completed before the threads begin tapping into the drilled hole.

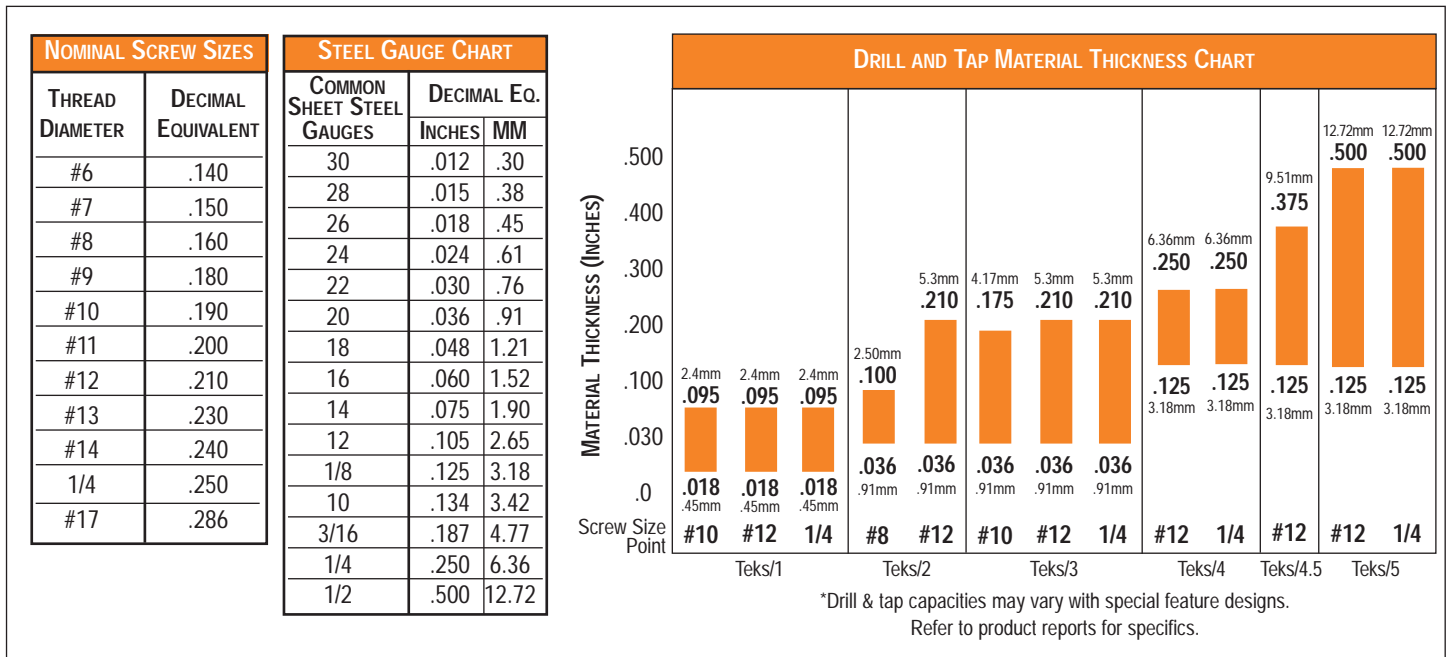
POINT

The point is designed to efficiently remove material and precisely size the hole for the thread.

FINISH: Platings and coatings provide lubricity during drilling and tapping as well as corrosion resistance.

FASTENER DESCRIPTION AND BREAKDOWN - EXAMPLE

10	-	16	x	3/4"	HWH	TEKS/3
Nominal Screw Size		Threads Per Inch		Screw Length	Head Style	Drill Point Type



Driv-Tru™ HWH SOCKET SYSTEM

Selector Guide



Part No.	Description	Applications
1591910	Driv-Tru Socket	All 1/4" across flats HWH fasteners
1513910	Driv-Tru Socket	All 5/16" across flats HWH fasteners
1574910	Driv-Tru Socket	All 3/8" across flats HWH fasteners

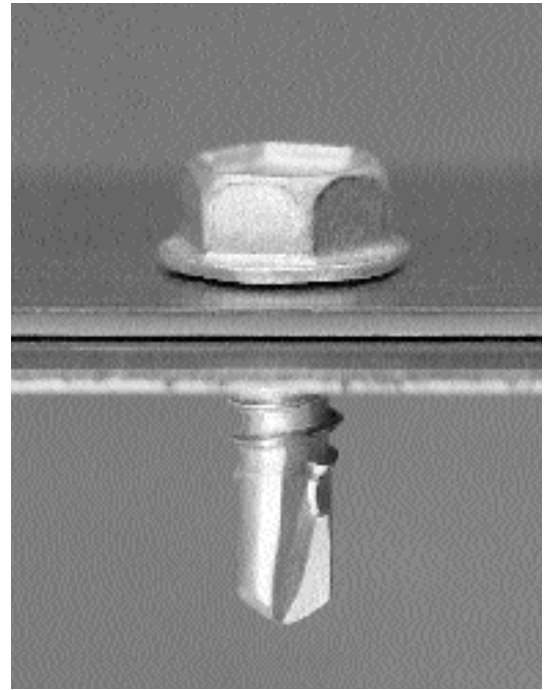
Warranty Information

Proper fastener connection design takes into account where and how fasteners are used. Allowance for special characteristics in materials, differences in types of materials being joined, unique or unusual environmental service or installation conditions and the safety factors required by anticipating normal or short term loading conditions must be considered. Due to possible differences in specifications, applications and interpretation of results, purchasers and specifiers must make their own evaluation of the products, to determine the suitability of these products for intended use. All warranties of Buildex products, expressed or implied, including the warranties of merchantability and fitness for particular purposes are specifically excluded except for the following: Buildex will repair or replace any product which, within twelve months after sale by Buildex or its distributors, is found by Buildex to be defective in material or workmanship -- normal wear and tear excepted. This is the sole warranty of Buildex and the sole remedy available to distributor or buyer. Buildex shall not be liable for any injury, loss or damage, direct, indirect, incidental or consequential, arising out of the use of, or the inability to use, any Buildex product.

TEKS®

Self-Drilling Fasteners

Preferred most by electrical, decking, HVAC and metal building contractors.



Applications

- Stitch roof deck and wall panel sidelaps.
- HVAC, electrical trim accessories to steel framing.
- Residential steel frame construction.
- Brick ties to steel framing.
- Track to stud and stud splicing.
- Hat channel to stud.

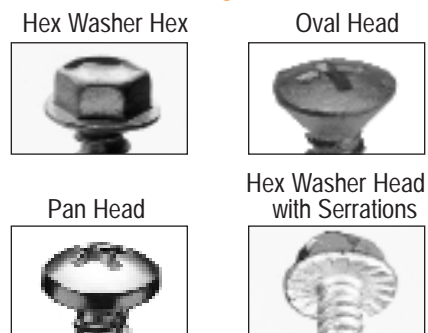
Product Features

- Sharp convex drill point has precise cutting edges to improve drill performance with less effort.
- Non-walking point provides fast material engagement.
- Unique point to thread design extrudes the metal preventing stripout.
- Point to thread design maximizes pullout performance and minimizes backout.
- Four head styles available to handle various applications.
- Climaseal® finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

Diameter.....	#6, #8, #10, #12 and 1/4
Thread Form.....	6-20
	8-18
	10-16, 10-24
	12-14
	1/4-14
Head Style.....	#6: #2 Phillips Pan
	#8: 1/4" HWH; #2 Phillips Pan
	#10: 5/16" HWH; 5/16" HWH with Serrations;
	#2 Phillips Pan; #2 Phillips Oval
	#12: 5/16" HWH
	1/4: 5/16" HWH
Drill Point.....	Teks 1
	Teks 2
	Teks 3
Finish.....	#6, #8, Electro-zinc
	#10, #12 and 1/4 Climaseal

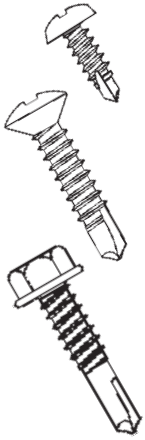
Head Styles



Approvals and Listings

Factory Mutual (J.I. 2 X 9A2 AM), ICBO 3056, ICC - ESR 1976

Selector Guide



*Available with bonded washer.

**With serrations under head.

† Electro-zinc finish.

Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachments	Box Qty	Applications
1208200	6-20 x 3/8"	Pan	#2	.036-.100	.100	20,000	<ul style="list-style-type: none"> HVAC, electrical trim accessories to steel framing. Residential steel frame construction. Track to stud. Hat channel to stud. Stud splicing.
1210200	8-18 x 1/2"	Pan	#2	.036-.100	.205	10,000	
1213200	8-18 x 3/4"	Pan	#2	.036-.100	.455	10,000	
1218200	8-18 x 1"	Pan	#2	.036-.100	.705	8,000	
1196200	8-18 x 1/2"	HWH	#2	.036-.100	.205	10,000	
1199200	8-18 x 5/8"	HWH	#2	.036-.100	.330	10,000	
1200200	8-18 x 3/4"	HWH	#2	.036-.100	.455	10,000	
1202200	8-18 x 1"	HWH	#2	.036-.100	.705	8,000	
1204200	8-18 x 1-1/2"	HWH	#2	.036-.100	1.205	4,000	<ul style="list-style-type: none"> Stitching roof deck, wall panel sidelaps or duct work.
1107000	10-16 x 3/4"	HWH	#1	.018-.095	.220	5,000	
1109053	12-14 x 3/4"	HWH	#1	.018-.095	.205	4,000	
1399000	1/4-14 x 7/8"	HWH	#1	.018-.095	.380	5,000	<ul style="list-style-type: none"> Clips, duct straps, brick ties or accessories to steel framing.
1398000	10-16 x 1/2"	Pan	#3	.036-.175	.150	10,000	
1541000	10-16 X 5/8"	Pan	#3	.036-.175	.200	5,000	
1224000	10-16 x 3/4"	Pan	#3	.036-.175	.325	5,000	
1542000	10-16 x 3/4"	Oval	#3	.036-.175	.325	5,000	
1397000	10-16 x 1/2"	HWH	#3	.036-.175	.150	5,000	
1127000	10-16 x 5/8"	HWH	#3	.036-.175	.200	5,000	
1128000	10-16 x 3/4"	*HWH	#3	.036-.175	.325	5,000	
1129000	10-16 x 1"	HWH	#3	.036-.175	.575	5,000	
1544000	10-16 x 1"	Oval	#3	.036-.175	.575	5,000	
1545000	10-16 x 1"	Pan	#3	.036-.175	.575	5,000	
1130000	10-16 x 1-1/4"	HWH	#3	.036-.175	.825	4,000	
1546000	10-16 x 1-1/4"	Oval	#3	.036-.175	.825	5,000	
1131000	10-16 x 1-1/2"	*HWH	#3	.036-.175	1.075	3,000	
1550000	10-24 x 3/4"	HWH	#3	.036-.175	.323	5,000	<ul style="list-style-type: none"> Vibration Resistance; HVAC Applications.
1551000	10-24 x 1"	HWH	#3	.036-.175	.575	5,000	
†1786200	10-24 x 5/8"	**HWH	#2	.036-.175	.200	5,000	
†1707200	10-16 x 3/4"	**HWH	#3	.036-.175	.323	5,000	
†1821200	10-16 X 3/4"	**HWH	#3	.036-.175	.323	5,000	

Performance Data

Pullout Values (average lbs. ultimate)									
Fastener		Steel Gauge							
Dia.	Pt.	26	24	22	20	18	16	14	12
#6	2	120	183	248	296	471	679	847	-
#8	2	119	193	265	298	491	703	959	-
#10-16	1	148	241	311	357	565	826	1111	1796
	3	124	208	266	299	499	708	967	1474
#12	1	159	261	338	390	649	908	1259	1949
1/4	1	208	329	428	562	800	1151	-	-

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

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.

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
6-20	1285	750	25
8-18	1545	1000	42
10-16	1936	1400	61
10-24	2702	1500	65
12-14	2778	2000	92
1/4-14	4060	2600	150

Shear Values (average lbs. ultimate)								
Fastener		Steel Gauge (lapped)						
Dia.	Pt.	26	24	22	20	18	16	14
#6	2	278	466	526	758	845	-	-
#8	2	294	496	560	740	1060	-	-
#10	1	398	584	659	884	1374	-	-
	3	-	455	526	728	1266	1540	1552
#12	1	432	703	753	1018	1452	-	-
1/4	1	511	849	885	1244	1764	-	-

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 4 amps and have a RPM range of 0-2000.
- 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.



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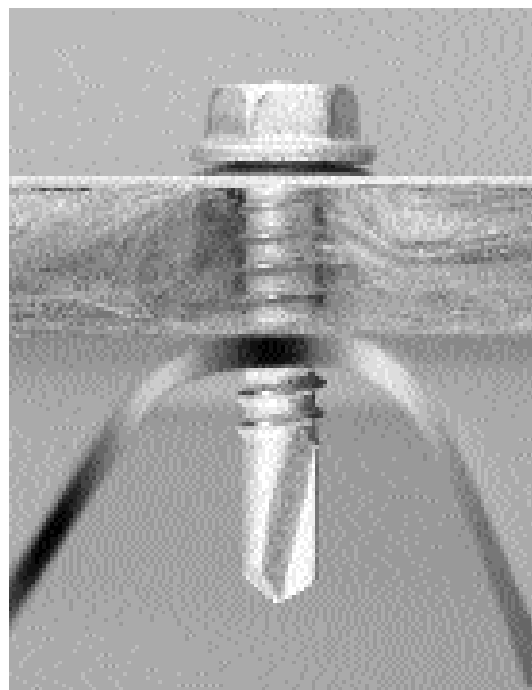
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TEKS®

Self-Drilling Fasteners






The best point ever for speed and consistency ... optimum for medium duty steel-to-steel applications.



Applications

-  Roof deck to steel framing.
-  Wall panel to girt.
-  Duct work to steel framing.
-  Accessories to steel framing
-  Clip to steel framing.
-  Retrofit framing.
-  Commercial overhead steel doors, hinges & latches.

Product Features

-  Point has precise cutting edges to improve drill performance with less effort.
-  Non-walking point provides fast material engagement.
-  Point to thread design maximizes pullout performance and minimizes backout.
-  Drills and taps in the broadest range of applications.
-  Climaseal® finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

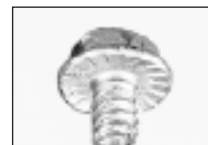
Diameter	#12, 1/4
Thread Form	12-14
	1/4-14
Head Style.....	#12: 5/16" HWH
	1/4: 3/8" HWH
	1/4 Overhead Door Fasteners
	7/16" HWH with Serrations
Drill Point	Teks 2
	Teks 3
Finish.....	Climaseal

Head Style

Hex Washer Head



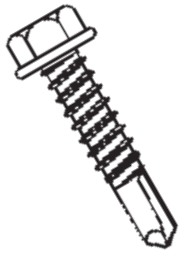
Hex Washer Head with Serrations



Approvals and Listings

Factory Mutual (J.I. 2 X 9A2 AM), ICBO 3056, ICC - ESR 1976

Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment	Box Qty	Applications
1134000	12-14 x 3/4"	HWH	#3	.036-.210	.270	5,000	<ul style="list-style-type: none">• Roof deck to steel framing.• Wall panel to girt.• Duct work to steel framing.• Accessories to steel framing.• Clip to steel framing.• Retrofit framing.
1136000	12-14 x 1"	HWH	#3	.036-.210	.520	4,000	
1120000	12-14 x 1-1/4"	HWH	#2	.036-.210	.550	4,000	
1123000	12-14 x 1-1/2"	HWH	#2	.036-.210	.800	2,500	
1140000	12-14 x 2"	HWH	#3	.036-.210	1.450	2,000	
1553000	12-14 X 2-1/2"	HWH	#3	.036-.210	1.950	1,000	
1143000	12-14 x 3"	HWH	#3	.036-.210	2.450	1,000	
1146000	12-14 x 4"	HWH	#3	.036-.210	3.450	500	
1147000	1/4-14 x 3/4"	HWH	#3	.036-.210	.210	3,000	
1149000	1/4-14 x 1"	HWH	#3	.036-.210	.400	2,500	
1150000	1/4-14 x 1-1/4"	HWH	#3	.036-.210	.650	2,000	
1152000	1/4-14 x 1-1/2"	HWH	#3	.036-.210	.900	2,000	
1155000	1/4-14 x 2"	HWH	#3	.036-.210	1.400	1,500	
1554000	1/4-14 x 2-1/2"	HWH	#3	.036-.210	1.900	1,000	
1157000	1/4-14 x 3"	HWH	#3	.036-.210	2.400	1,000	
1304000	1/4-14 x 4"	HWH	#3	.036-.210	3.400	500	
All available with bonded washer.							
1586000	1/4-14 x 3/4"	*HWH	#3	.036-.210	.250	3,000	<ul style="list-style-type: none">• Commercial overhead steel doors, hinges & latches.
1587000	1/4-14 x 1"	*HWH	#3	.036-.210	.500	2,500	
*With serrations under head.							

Performance Data

Pullout Values (average lbs. ultimate)										
Fastener		Steel Gauge								
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16
12	2	156	243	283	375	605	848	1181	1856	3520
	3	142	211	289	341	551	757	1063	1631	2998
1/4	3	141	231	293	346	613	880	1145	1858	4550

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
12-14	2778	2000	92
1/4-14	4060	2600	150

Shear Values (average lbs. ultimate)									
Fastener		Steel Gauge (lapped)							
Dia.	Pt.	26	24	22	20	18	16	14	12
12	2	365	600	623	898	1370	1758	2138	2202
	3	-	-	-	769	1358	1620	1970	1986
1/4	3	-	-	-	930	1442	2100	2584	2650

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

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.

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Tek screws. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- 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 strip out of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.



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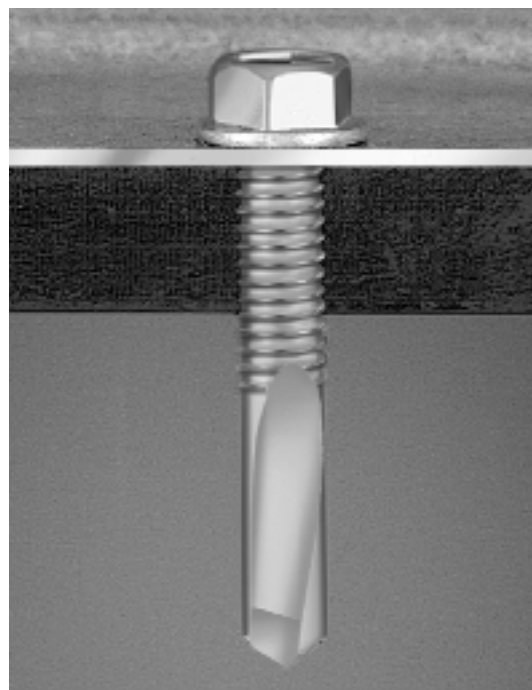
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TEKS®



Self-Drilling Fasteners

First in performance!! Over 30 years of consistent drilling.






The original self-drillers for heavy duty 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.

Product Features

-  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.

Product Specifications

Diameter	#12, 1/4
Thread Form	12-24, 1/4-28
Head Style	#12: 5/16" HWH
	1/4: 5/16" HWH
	1/4: 3/8" HWH
Drill Point	Teks 4
	Teks 4.5
	Teks 5
Finish	Climaseal

Head Style

Hex Washer Head



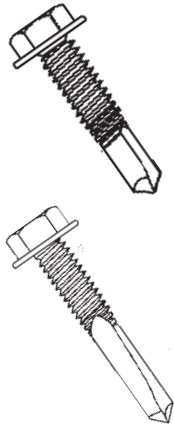
Approvals and Listings

Factory Mutual (J.I. 2 X 9A2 AM), ICBO 3056
ICC - ESR 1976

Approvals and Listings

Factory Mutual (J.I. 2 X 9A2 AM), ICBO 3056, ICC - ESR 1976

Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment	Box Qty	Applications
1088000	12-24 x 7/8"	HWH	#4	.125-.250	.325	5,000	<ul style="list-style-type: none"> • 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"	HWH	#4.5	.125-.375	.575	4,000	
1006000	12-24 x 1-1/4"	HWH	#5	.125-.500	.375	4,000	
1070000	12-24 x 1-1/2"	HWH	#5	.125-.500	.625	2,500	
1072000	12-24 x 2"	HWH	#5	.125-.500	1.125	2,000	
1074000	1/4-28 x 3"	*HWH	#5	.125-.500	2.150	1,000	
1075000	1/4-28 x 4"	*HWH	#5	.125-.500	3.150	500	
1641000	1/4-28 x 5"	HWH	#5	.125-.500	4.150	250	
1431000	1/4-28 x 6"	HWH	#5	.125-.500	5.150	250	
1590000	1/4-28 x 8"	HWH	#5	.125-.500	7.150	150	

All available with bonded washer.

* 5/16" Across Flats HWH.

Performance Data

Pullout Values (average lbs. ultimate)						
Fastener		Steel Gauge				
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

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
12-24 T/4	3020	2100	100
12-24 T/4.5	3165	2200	150
12-24 T/5	3020	2100	150
1/4-28 T/5	5577	3310	234

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average 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

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.

Installation Guidelines

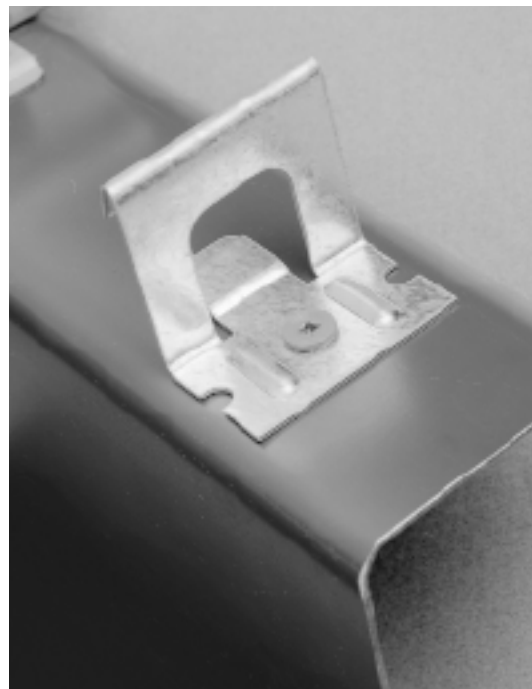
- A standard screwgun with a depth sensitive nosepiece should be used to install TekS. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500. (Maximum 1800 RPM is recommended for TekS 5 fasteners)
- Adjust the screwgun nosepiece to properly seat 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.



TEKS®

Low Profile Architectural Metal Roof Clip Fasteners & Rake Angle Shoulder Tek

Incorporates the ITW exclusive Phillips Square-Drive® anti-cam-out system.





Applications


 Low profile architectural metal roof clips to steel purlin.


 Low profile architectural metal roof clips to wood supports.

Product Features

-  #12 diameter utilizes the ITW exclusive Phillips Square-Drive with patented interlocking components system.
 - Excellent installation stability.
 - Extended bit driver life.
 - Keeps the driver securely mated to the fastener during installation.
 - Hands-free installation.

-  Both fasteners are finished with a corrosion resistant coating. Teks 3 fasteners are available with Gray Spex™ coating; Type A fasteners with Climacoat®.

-  Sharp convex drill point has precise cutting edges to improve drill performance with less effort.

-  #10 Diameter uses the coated Phillips drive system providing improved driver bit to fastener stability and friction fit.

-  Low profile pancake head style ensures proper installation of metal roof panels.

Product Specifications

Low Profile

Diameter #10, #12
 Thread Form 10-16 (Teks 3), 10-12 (Type A)
 12-14 (Teks 3), 12-11 (Type A)
 Head Style #10: #2 Phillips Pancake
 #12: #2 Phillips Square-Drive Pancake
 Drill Point Teks® 3, Type A
 Finish Climacoat (Type A)

Gray Spex (Teks 3)



Rake Angle

Diameter 1/4
 Thread Form #10, #14
 Head Style HWH
 Drill Point #3, #4.5
 Finish Climaseal®

#2 Phillips Square-Drive®



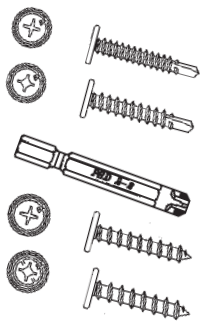
#2 Phillips



#2 PSD Bit



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment	Box Qty	Applications
1560553	10-16 x 1"	#2 Phillips Pancake	#3	.036-.175	.550	4,000	• Low profile architectural metal roof clip to steel purlin.
1575553	12-14 x 1"	#2 PSD Pancake	#3	.036-.210	.550	4,000	
1713053	*1/4-14 x 1-1/4"	HWH	#3	.036-.210	.617	2,500	
1718053	*1/4-20 x 1-1/4"	HWH	#4.5	.125-.375	.440	2,500	
1588910	#2 PSD Bit					1	• For #12 Diameter Fastener
1596553	10-12 x 1"	#2 Phillips Pancake	Type A	.012-.048	.250	4,000	• Low profile architectural metal roof clip to wood supports.
1640553	10-12 x 1-1/2"	#2 Phillips Pancake	Type A	.012-.048	.750	2,500	
1597553	12-11 x 1"	#2 PSD Pancake	Type A	.012-.048	.250	4,000	

* with depth of shoulder

Performance Data

Pullout Values (average lbs. ultimate)									
Fastener		Steel Gauge							
Dia.	Pt.	26	24	22	20	18	16	14	12
#10	3	109	180	218	278	427	583	873	1406
#12	3	139	194	250	369	450	598	915	1500
#10	TypeA	192	280	360	460	568	-	-	-
#12	TypeA	193	300	387	464	621	-	-	-

Fastener Values				
Fastener (dia-tpi)	Point	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
10-16	#3	1983	1400	78
12-14	#3	2652	2000	92
10-12	Type A	2581	1426	81
12-11	Type A	3634	1994	132

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average lbs. ultimate)					
Fastener		Steel Gauge (lapped)			
Dia.	Pt.	20 gauge	18 gauge	16 gauge	14 gauge
#10	3	727	1164	1366	1460
#12	3	923	1279	1657	1933

pullout values (average lbs. ultimate)						
Fastener		Wood Type & Thickness				
Dia.	Pt.	1/2" Plywood	5/8" Plywood	3/4" Plywood	Yellow Pine	3/4" OSB
#10	Type A	364	382	400	579	288
#12	Type A	377	395	427	675	326

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.

Installation Guidelines

- A standard screwgun with a depth-sensitive nosepiece should be used to install Tek's. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- 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 a minimum of 3 pitches of thread beyond the metal structure.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.



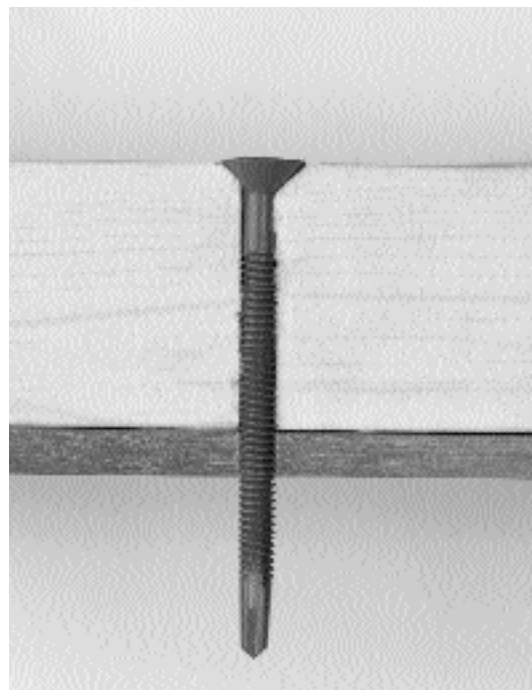
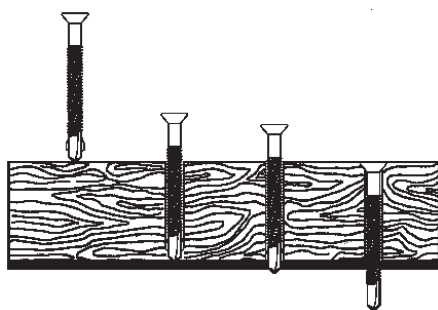
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Wood-to-Metal Fasteners

No pre-drilling, fast, efficient attachment of wood to steel.



Applications

-  Plywood roof and floor sheet to steel frames.
-  2 x 4 headers to steel frames.
-  Plywood fascia to steel frames.

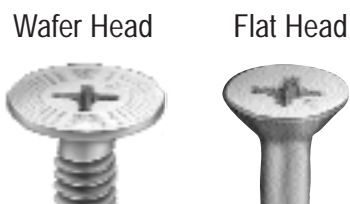
Product Features

-  Point has precise cutting edges to improve drill performance with less effort.
-  Special winged fasteners ream a hole in wood preventing thread engagement during drilling.
-  Wafer head design has a large bearing surface ideal for plywood.
-  Flat head design countersinks and seats flush in wood.
-  Gray Spex™ finish provides excellent corrosion resistance and lower tapping torque.
-  Compatible with ACQ treated wood.

Product Specifications

Diameter.....	#10, #12 and 1/4
Thread Form.....	10-16 10-24 12-24 1/4-20
Head Style.....	#10: #2 Phillips Flat; #2 Phillips Wafer; #2 Phillips Square-Drive® Flat #12: #3 Phillips Flat 1/4: #3 Phillips Flat
Drill Point.....	Teks 3 Teks 4
Finish.....	Gray Spex

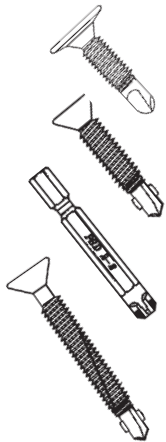
Head Styles



Phillips Square Drive®



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Wood Attachment Range	Box Qty	Applications
1077000	10-24 x 3/4"	Wafer	#3	.036-.175	1/4"-3/8"	8,000	• Plywood, mansard, fascia, roofing, flooring to steel framing.
1079000	10-24 x 1"	Wafer	#3	.036-.175	1/4"-1/2"	5,000	
1082000	10-24 x 1-7/16"	*PFH	#3	.060-.175	1/4"-3/4"	3,000	
1791000	10-16 x 1-13/16"	**PSD Flat	#3	.030-.175	1/4"-3/4"	2,500	
1588910	#2 PSD Bit					1	• Plywood, 2 x 4's headers to steel framing.
1092000	12-24 x 2-1/4"	*PFH	#4	.125-.250	3/4"-1-3/8"	2,000	
1094000	12-24 x 2-3/4"	*PFH	#4	.125-.250	3/4"-1-5/8"	1,500	• 2 x 4's to steel framing.
1096000	1/4-20 x 3"	*PFH	#4	.125-.250	3/4"-2"	1,000	
*with wings	**with ribs under head						

Performance Data

Pullout Values (average lbs. ultimate)											
Fastener		Steel Gauge									
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16	1/4
#10-16	3	-	208	266	299	499	708	967	1474	-	-
#10-24	3	-	-	-	334	495	702	900	1570	3865	4101
#12	4	-	-	-	-	-	-	-	1508	4297	-
1/4	4	-	-	-	-	-	-	-	1803	-	-

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

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.

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
10-16	1936	1400	61
10-24	2702	1500	65
12-24	3165	2200	150
1/4-20	3860	2700	168

Shear Values (average lbs. ultimate)							
Fastener		Steel Gauge (lapped)					
Dia.	Pt.	20	18	16	14	12	1/8
#10	3	728	1266	1540	1522	-	-
#12	4	-	-	-	-	2048	2030
1/4	4	-	-	-	-	2650	2820

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Tekes. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- Worn or damaged bit tip should be replaced.
- 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.
- All #10 diameter "Winged" parts must be driven into a minimum of 16 GA steel thickness.
- All 1/4 and #12 diameter "Winged" parts must be driven into a minimum of 1/8" steel in order to break the wings consistently.



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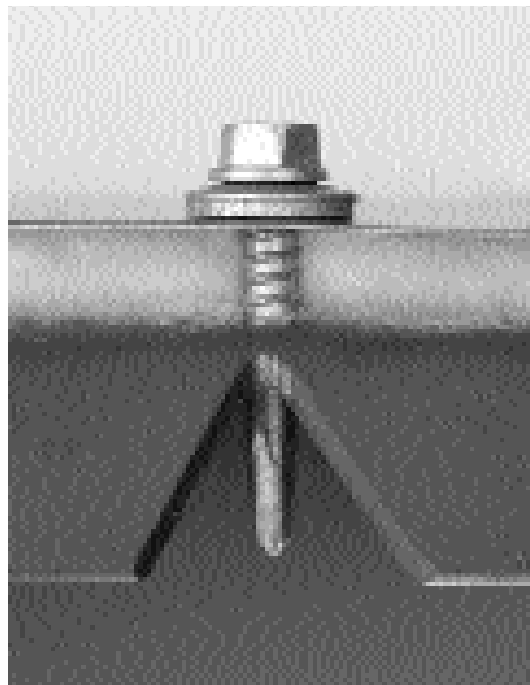
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TEKS®

Self-Drilling Fasteners With Bonded Washer





For weather-tight sealing of roof and wall applications.



Applications

-  Roof panels to purlin or bar joist.
-  Wall panels to girt.
-  Mansard panel to structural.

Product Features

-  Vulcanized bonding of washer eliminates separation of EPDM from the metal backing.
-  Point has precise cutting edges to improve drill performance with less effort.
-  Dual sealing bonded washer prevents leaks.
-  Point to thread design maximizes pullout performance and minimizes backout.
-  Climaseal® finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

Diameter #10, #12 & 1/4

Thread Form 10-16

12-14

12-24

1/4-14

1/4-28

Head Style #10: 5/16" HWH

#12: 5/16" HWH

1/4 (stitch): 5/16" HWH

1/4: 3/8" HWH

Washer Style Galvanized (G-90)

Drill Point Tek 1

Tek 2

Tek 3

Tek 4

Tek 4.5

Tek 5

Finishes..... Climaseal

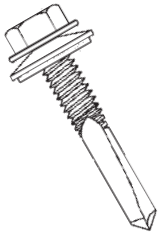
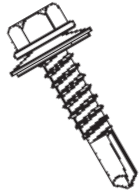
Available with P³ powder paint

Head Style

Hex Washer Head with Bonded Washer



Selector Guide



* 3/4" bonded washer
**1-1/8" bonded washer

Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachments	Box Qty	Applications
1005000	10-16 x 3/4"	HWH	#3	.036 - .175	.205	3,000	<ul style="list-style-type: none"> • Brick tie to steel framing. • Mansard panel to steel framing. • Roof panel to purlin. • Wall panel to girt. • Stitch roof and wall panels. • Retrofit panels to structural.
1308000	10-16 x 1-1/2"	HWH	#3	.036 - .175	.955	2,500	
1011000	12-14 x 1"	HWH	#3	.036 - .210	.400	3,000	
1014000	12-14 x 1-1/4"	HWH	#2	.036 - .210	.430	2,500	
1404000	12-14 x 1-1/2"	HWH	#2	.036 - .210	.680	2,000	
1009000	12-14 x 3/4"	HWH	#3	.036 - .210	.150	3,000	
1016000	12-14 x 2"	HWH	#3	.036 - .210	1.330	1,500	
1333000	12-14 x 3"	HWH	#3	.036 - .210	2.330	1,000	
1332000	12-14 x 4"	HWH	#3	.036 - .210	3.330	500	
1416000	1/4-14 x 7/8"	HWH	#1	.018 - .095	.260	3,000	
1160000	1/4-14 x 1"	HWH	#3	.036 - .210		2,500	<ul style="list-style-type: none"> • Roof and wall panel to bar joist or structural. • Longer fasteners may be used in retrofit applications.
1019000	1/4-14 x 1-1/4"	HWH	#3	.036 - .210	.530	2,000	
1020000	1/4-14 x 1-1/2"	HWH	#3	.036 - .210	.780	1,500	
1021000	1/4-14 x 2"	HWH	#3	.036 - .210	1.280	1,000	
1022000	1/4-14 x 3"	HWH	#3	.036 - .210	2.280	750	
1429000	1/4-14 x 4"	HWH	#3	.036 - .210	3.280	500	
1010000	12-24 x 7/8"	HWH	#4	.125 - .250	.205	3,000	
1415000	12-24 x 1-1/4"	HWH	#4.5	.125 - .375	.455	2,500	
1000000	12-24 x 1-1/4"	HWH	#5	.125 - .500	.255	2,500	
1001000	12-24 x 1-1/2"	HWH	#5	.125 - .500	.505	2,000	
1002000	12-24 x 2"	HWH	#5	.125 - .500	1.005	1,500	
1003000	1/4-28 x 3"	HWH	#5	.125 - .500	2.030	1,000	
1004000	1/4-28 x 4"	HWH	#5	.125 - .500	3.030	500	
1647000	1/4-28 x 5"	*HWH	#5	.125 - .500	4.030	250	
1642000	1/4-28 x 5"	**HWH	#5	.125 - .500	4.030	250	
1432000	1/4-28 x 6"	*HWH	#5	.125 - .500	5.030	250	
1619000	1/4-28 x 8"	*HWH	#5	.125 - .500	7.030	150	

Performance Data

Pullout Values (average lbs. ultimate)											
Fastener		Steel Gauge									
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16	1/4
10	3	124	208	266	299	499	708	967	1474	-	-
12	2	156	243	283	375	605	848	1181	1856	3520	-
	3	142	211	289	341	551	757	1063	1631	2998	-
12	4	-	-	-	-	-	-	-	1532	3485	3844
	4.5	-	-	-	-	-	-	-	1508	3865	4104
	5	-	-	-	-	-	-	-	1527	3701	3999
1/4	1	208	329	428	562	800	1151	-	-	-	-
	3	141	231	293	346	613	880	1145	1877	4550	-
	5	-	-	-	-	-	607	918	1507	3300	5059

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
10-16	1936	1400	61
12-14	2778	2000	92
12-24	3020	2100	100
1/4-14	4060	2600	150
1/4-28	5577	3310	234

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average lbs. ultimate)											
Fastener		Steel Gauge (lapped)									
Dia.	Pt.	26	24	22	20	18	16	14	12	1/8	1/4
10	3	-	445	526	728	1266	1540	1552	-	-	-
12	2	365	600	623	898	1370	1758	2138	-	-	-
	3	-	-	-	769	1358	1620	1970	1986	-	-
12	4	-	-	-	-	-	-	-	2048	2030	-
	4.5	-	-	-	-	-	-	-	2641	2887	-
	5	-	-	-	-	-	-	-	2650	2700	-
1/4	1	511	849	885	1244	1764	-	-	-	-	-
	3	-	-	-	930	1442	2100	2584	2650	-	-
	5	-	-	-	-	-	1597	2005	2350	2792	3310

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.

Installation Guidelines

- Adjust the screwgun nosepiece to properly seat the fastener.
- 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.
- A standard screwgun with a depth sensitive nosepiece should be used to install Tek. For optimal fastener performance, the screw gun should be a minimum of 6 amps and have an RPM range of 0-2500.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.



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630-595-3500 Fax: 630-595-3549
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Properly Seated Washers



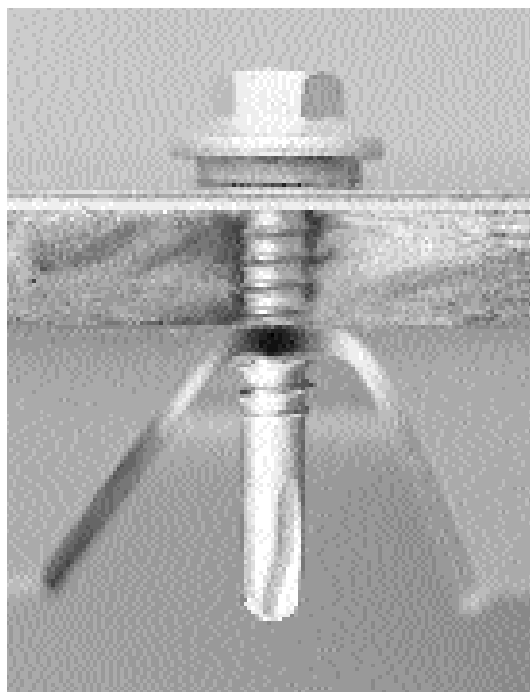
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MAXISEAL[®]

Integral Washer System

Maxiseal ... The premium sealing system for Tek[®] self-drilling, self-tapping fasteners.



Applications

- Roof panel to purlin and wall panel to girt.
- Stitching roof, wall, fascia, eave panels or gutter straps.
- Roof and wall panel or accessories over blanket insulation to steel framing.
- #17 diameter replacement for stripped #12 and 1/4 diameter fasteners.

Product Features

- Controls the EPDM rubber washer for improved in place appearance and increased washer life.
- Seals when driven at an angle.
- Optimum pullover resistance.
- Hex washer head provides excellent driving stability.
- Point has precise cutting edges to improve drill performance with less effort.
- Non-walking point provides fast material engagement.
- Point to thread design maximizes pullout performance and minimizes backout.
- Drills and taps in the broadest range of applications.
- Climaseal[®] finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

Diameter.....	#10, #12, 1/4 and #17
Thread Form	10-16 12-14, 12-24 1/4-14 17-14
Head Style	#10: 5/16" HWH #12: 5/16" HWH 1/4: 5/16" HWH and 3/8" HWH #17: 5/16" HWH
Washer Style	9/16" O.D. Integral System

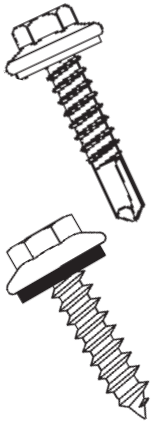
Drill Point	Teks 1 Teks 2 Teks 3 Teks 4 Teks 5 Type AB
Finish.....	Climaseal Available with P ³ powder paint

Head Style

Maxiseal Head



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Attachment	Material Box Qty	Applications
1376000	10-16 x 3/4"	HWH	#3	.036-.175	.325	3,000	<ul style="list-style-type: none"> Roof and wall panel to steel framing. Panel over insulation to steel framing.
1023000	12-14 x 3/4"	HWH	#3	.036-.210	.260	3,000	
1659053	12-14 x 3/4"	HWH	#3	.012-.048	.435	2,500	
1026000	12-14 x 1"	HWH	#3	.036-.210	.490	2,500	
1029000	12-14 x 1-1/4"	HWH	#2	.036-.210	.560	2,500	
1428000	12-14 x 1-1/2"	HWH	#2	.036-.210	.790	2,000	
1730000	12-24 x 7/8"	HWH	#4	.018-.250	.295	3,000	<ul style="list-style-type: none"> Roof and wall panel to bar joist or structural.
1517000	12-24 x 1-1/2"	HWH	#5	.125-.500	.500	2,500	
1389000	1/4-14 x 7/8"	HWH	#1	.018-.095	.320	3,000	<ul style="list-style-type: none"> Stitching roof, wall, fascia, eave panels or gutter straps.
1042053	1/4-14 x 3/4"	*HWH	#3	.036-.210	.200	2,500	<ul style="list-style-type: none"> Sheet or accessories with up to 6" blanket insulation to steel framing.
1044000	1/4-14 x 1"	*HWH	#3	.036-.210	.310	2,500	
1048000	1/4-14 x 1-1/2"	*HWH	#3	.036-.210	.810	2,000	
1737000	1/4-14 x 1-3/4"	*HWH	#3	.036-.210	1.060	1,500	
1712000	1/4-14 x 3"	HWH	#3	.036-.210	2.310	1,000	
1063000	17-14 x 1"	HWH	AB	-	.685	2,500	<ul style="list-style-type: none"> Replacement screw for 12 and 1/4" diameter fasteners.
*3/8" Across Flats							

Performance Data

Pullout Values (average lbs. ultimate)											
Fastener		Steel Gauge									
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16	1/4
10	3	124	208	266	299	499	708	967	1474	-	-
12	2	156	243	283	375	605	848	1181	1856	3520	-
	3	142	211	289	341	551	757	1063	1631	2998	-
	4	-	-	-	-	-	697	986	1532	3485	4013
	5	-	-	-	-	-	-	-	1527	3701	3999
1/4	1	208	329	428	562	800	1151	-	1858	4550	-
	3	141	231	293	346	613	880	1145	1877	4550	-
	AB	235	365	496	597	702	926	1180	1716	3523	-
17	AB	225	261	350	442	553	752	1122	-	-	-

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
10-16	1936	1400	61
12-14	2778	2000	92
12-24 T/4	3020	2100	100
12-24 T/5	3188	2200	150
1/4-14	4060	2600	150
17-14	5300	3200	180

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average lbs. ultimate)									
Fastener		Steel Gauge (lapped)							
Dia.	Pt.	26	24	22	20	18	16	14	12
10	3	-	445	526	728	1266	1540	1552	-
12	2	365	600	623	898	1370	1758	2138	-
	3	-	-	-	769	1358	1620	1970	1986
	4	-	-	-	-	-	-	-	2048
	5	-	-	-	-	-	-	-	2650
1/4	1	511	849	885	1244	1765	-	-	-
	3	-	-	-	930	1442	2100	2584	2650
	AB	422	482	669	889	1157	-	-	-
17	AB	459	745	989	958	1415	-	-	-

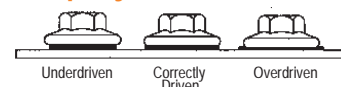
The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Tek. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build up as needed.

- 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.

Properly Seated Washers



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www.itwbuildex.com

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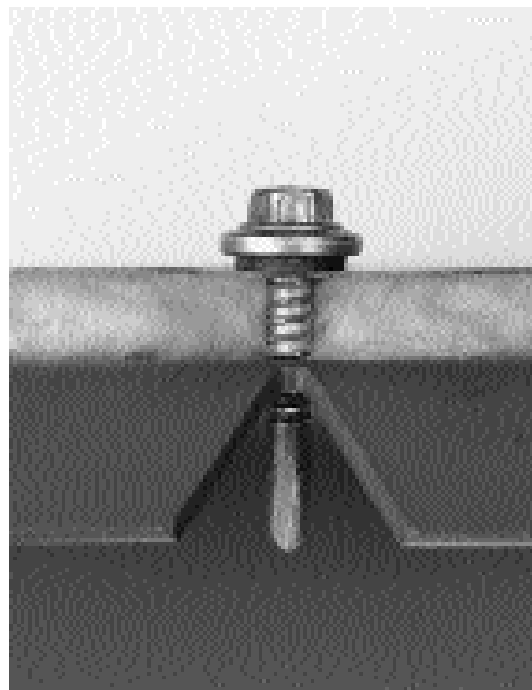
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SCOTS®

Long Life Tek® Fasteners

The Original Buildex Scots 300 Stainless Steel Encapsulated









Head will never rust EVER!!!!



Applications

-  Panel over blanket insulation to steel frame.
-  Roof curb to structural steel.
-  Standing seam roof system endlaps.
-  Stitch roof and wall sidelaps.
-  #17 diameter replacement screw for #12 and 1/4 diameter fasteners.

Product Features

-  For improved appearance and extra life an integral design controls the EPDM rubber washer.
-  Combines 300 series stainless steel exterior with the strength of carbon steel.
-  300 series stainless most preferred for galvalume long life panels.
-  Maximum sealing and corrosion protection.
-  Point has precise cutting edges to improve drill performance with less effort.
-  Non-walking point provides fast material engagement.
-  Point to thread design maximizes pullout performance and minimizes backout.
-  Drills and taps in the broadest range of applications.

Product Specifications

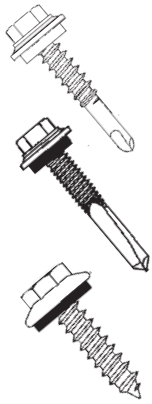
Diameter	#12, 1/4 and #17
Thread Form	12-14
	12-24
	1/4-14
	1/4-28
	17-14
Head Style	5/16" HWH (300 Series Stainless)
Washer Style	9/16" O.D. Integral
Drill Point	Teks 1
	Teks 2
	Teks 5
	Type AB
Finish	Climaseal®
	Available with P ³ powder paint

Head Style

Scots Head



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment	Box Qty	Applications
1165253	12-14 x 1"	HWH	#3	.036-.210	.310	2,500	<ul style="list-style-type: none"> Panel over blanket insulation to steel frame. Roof curb to structural steel.
1167253	12-14 x 1-1/4"	HWH	#2	.036-.210	.560	2,500	
1706053	12-14 x 1-1/4"	HWH (3/8" AF)	#2	.036-.210	.560	2,000	
1168253	12-14 x 1-1/2"	HWH	#2	.036-.210	.790	2,000	
1907053	12-14 x 1-1/2"	HWH (3/8" AF)	#2	.036-.210	.790	2,000	
1163000	12-24 x 2"	HWH	#5	.125-.500	1.000	1,500	<ul style="list-style-type: none"> Standing seam roof system endlaps. Stitch roof and wall sidelaps. SSR endlaps.
1788000	1/4-28 x 4"	HWH	#5	.125-.500	3.000	500	
1387253	1/4-14 x 7/8"	HWH	#1	.018-.095	.320	2,500	
1175153	1/4-14 x 1-1/8"	HWH	#1	.018-.095	.395	2,500	
1616000	1/4-14 x 1-1/4"	HWH	#3	.036-.210	.630	2,000	
1178253	1/4-14 x 3/4"	HWH	AB	.012-.048	.435	2,500	<ul style="list-style-type: none"> Replacement screw for #12 and 1/4 diameter fasteners.
1180225	17-14 x 1"	HWH	AB	-	.686	1,500	

Performance Data

Pullout Values (average lbs. ultimate)											
Fastener		Steel Gauge									
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16	1/4
12	2	156	243	283	375	605	848	1181	1856	3520	-
12	5	-	-	-	-	-	-	-	1527	3701	3999
1/4	5	-	-	-	-	-	-	-	1507	3300	5059
1/4	1	208	329	428	562	800	1151	-	-	-	-
	AB	235	365	496	597	702	926	1180	1690	3446	4212
17	AB	225	261	350	442	553	752	1122	1716	3523	4250

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
12-14	2778	2000	92
12-24	3188	2200	130
1/4-14	4060	2600	150
1/4-28	5577	3310	234
17-14	5300	3200	180

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average lbs. ultimate)											
Fastener		Steel Gauge (lapped)									
Dia.	Pt.	26	24	22	20	18	16	14	1/8	3/16	1/4
12	2	365	600	623	898	1370	1758	2138	2202	-	-
12	5	-	-	-	-	-	-	-	2700	2720	2762
1/4	5	-	-	-	-	-	1597	2005	2350	2792	3310
1/4	1	511	849	885	1244	1764	-	-	-	-	-
	AB	422	482	669	889	1157	-	-	-	-	-
17	AB	459	745	989	958	1415	-	-	-	-	-

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.

Installation Guidelines

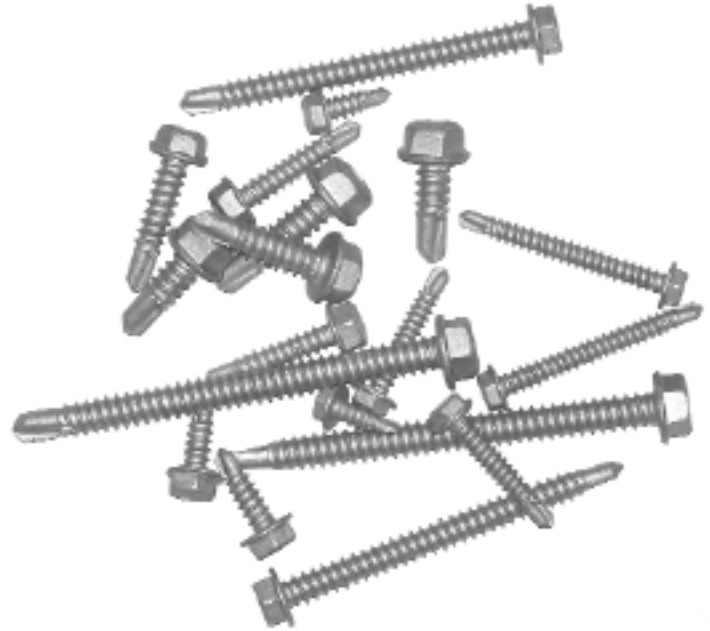
- A standard screwgun with a depth sensitive nosepiece should be used to install Tekes. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- 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.

Properly Seated Washers



410 STAINLESS STEEL TEKS®

Self drilling fasteners for applications requiring extra corrosion protection



Applications

- Clips to structural steel or bar joist.
- Duct work to steel framing.
- Liner panels to structural steel or bar joist.
- Brick ties to steel framing.
- Accessories to structural steel or bar joist.
- HVAC, electrical accessories to steel framing.
- Longer length fasteners can be used in retrofit clip and sheet applications.

Product Features

- Engineered for fast drilling and smooth tapping with less effort.
- 410 Stainless Steel for added corrosion protection.
- Silver Climashield finish for added protection compared to standard 410 Stainless Steel products.
- Point to thread design maximizes pullout performance and minimizes backout.

Product Specifications

Diameter	#8, #10, #12, and 1/4"
Thread Form	8-18
	10-16
	12-14
	1/4-14
Head Style	#8: 5/16" HWH, #10: 5/16" HWH, #12: 5/16" HWH, and 1/4": 3/8" HWH
Drill Point	Teks 2, Teks 3
Finish	Silver Climashield

Head Style

Hex washer head (HWH)



Selector Guide



Part #	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment	Applications
1897000	8-18 x 1/2"	HWH	#2	.036 - .100	0.205	<ul style="list-style-type: none"> • Metal deck, clips, lines or accessories to structural steel or bar joist. • Longer fasteners can be used in retrofit clip and sheet applications.
1828000	8-18 x 5/8"	HWH	#2	.036 - .100	0.330	
1829000	8-18 x 3/4"	HWH	#2	.036 - .100	0.455	
1847000	8-18 x 1-1/4"	HWH	#2	.036 - .100	0.955	
1858000	10-16 x 1/2"	HWH	#3	.036 - .175	0.150	
1830000	10-16 x 3/4"	HWH	#3	.036 - .175	0.325	
1831000	10-16 x 1"	HWH	#3	.036 - .175	0.575	
1833000	10-16 x 1-1/2"	HWH	#3	.036 - .175	1.075	
1834000	12-14 x 3/4"	HWH	#3	.036 - .210	0.270	
1835000	12-14 x 1"	HWH	#3	.036 - .210	0.520	
1836000	12-14 x 1-1/4"	HWH	#3	.036 - .210	0.750	
1837000	12-14 x 1-1/2"	HWH	#3	.036 - .210	0.980	
1838000	12-14 x 2"	HWH	#3	.036 - .210	1.450	
1839000	12-14 x 2-1/2"	HWH	#3	.036 - .210	1.950	
1840000	12-14 x 3"	HWH	#3	.036 - .210	2.450	
1842000	1/4-14 x 3/4"	HWH	#3	.036 - .210	0.150	
1843000	1/4-14 x 1"	HWH	#3	.036 - .210	0.400	
1845000	1/4-14 x 1-1/2"	HWH	#3	.036 - .210	0.900	
1893000	1/4-14 x 2"	HWH	#3	.036 - .210	1.400	

Performance Data







PULLOUT VALUES (avg. lbs ultimate)										
Fastener		Steel Gauge								
Dia	Pt	26	24	22	20	18	16	14	12	3/16
8	2	119	193	265	298	491	703	959		
10	3	124	208	266	299	499	708	967	1474	
12	3	131	196	258	312	452	692	1063	1631	2998
1/4	3	141	231	293	346	613	880	1145	1858	4550

FASTENER VALUES (avg. lbs ultimate)			
Fastener (dia-tpi)	Tensile (lbs min.)	Shear (avg. lbs ult.)	Torque (min. in lbs)
8-18	1545	1000	42
10-16	1936	1400	61
12-14	2778	2000	92
1/4-14	4060	2600	150

SHEAR VALUES (avg. lbs ultimate)									
Fastener		Steel Gauge (Lapped)							
Dia	Pt	26	24	22	20	18	16	14	12
8	2	294	496	560	740	1060			
10	3		455	526	728	1266	1540	1552	
12	3				769	1358	1620	1970	1986
1/4	3				930	1442	2100	2584	2650

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.

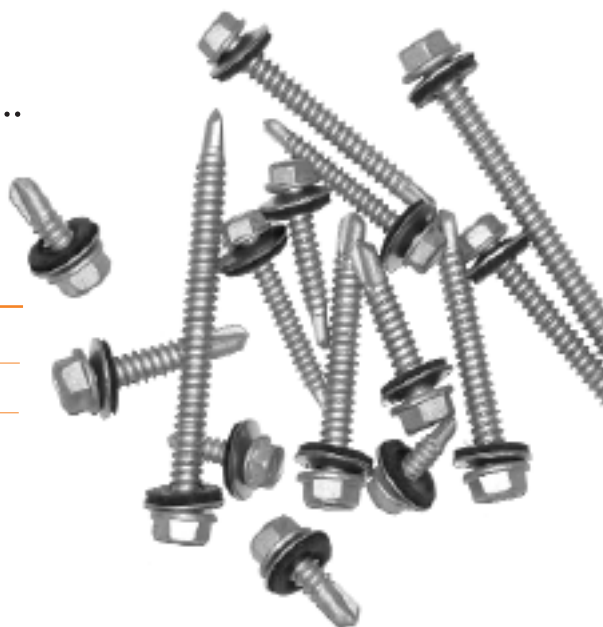
Installation Guidelines

-  A standard screwgun with a depth sensitive nosepiece should be used to install Tek. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
-  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.









410 STAINLESS STEEL TEKS®







Self drilling fasteners with bonded washers for applications requiring extra corrosion protection.



Applications

-  Retrofit panels to steel framing.
-  Stitch roof and wall panels.
-  Brick ties to steel framing.
-  Roof panels to purlin or bar joist.
-  Wall panels to girt.
-  Mansard panel to structural.

Product Features

-  Vulcanized bonding of washer eliminates separation of EPDM from the metal backing.
-  Point to thread design maximizes pullout performance and minimizes backout.
-  Dual sealing bonded washer prevents leaks.
-  410 Stainless Steel for added corrosion protection.
-  Point has precise cutting edges to improve drill performance with less effort.
-  Corrosion resistant finish for added surface rust protection.

Product Specifications

Diameter	#10, #12, and 1/4
Thread Form	10-16
	12-14
	1/4-14
Head Style	#10: 5/16" HWH, #12: 5/16" HWH, and 1/4": 3/8" HWH
Drill Point	Teks 3
Washer Style	9/16" O.D. Bonded
Finish	Silver Climashield®

Head Style

Hex washer head with bonded washer



Selector Guide



Part #	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment	Applications
1850000	10-16 x 3/4"	HWH	#3	.036 - .175	0.205	<ul style="list-style-type: none"> • Brick tie to steel framing. • Mansard panel to steel framing. • Roof panel to purlin. • Wall panel to girt. • Stitch roof and wall panels. • Retrofit panels to structural.
1848000	10-16 x 1-1/2"	HWH	#3	.036 - .175	0.955	
1853000	12-14 x 1"	HWH	#3	.036 - .210	0.400	
1851000	12-14 x 1-1/4"	HWH	#3	.036 - .210	0.620	
1854000	12-14 x 1-1/2"	HWH	#3	.036 - .210	0.850	
1860000	12-14 x 2"	HWH	#3	.036 - .210	1.330	
1857000	1/4-14 x 1"	HWH	#3	.036 - .210	0.280	
1861000	1/4-14 x 1-1/4"	HWH	#3	.036 - .210	0.530	
1862000	1/4-14 x 1-1/2"	HWH	#3	.036 - .210	0.780	
1882000	1/4-14 x 2"	HWH	#3	.036 - .210	1.280	
1892000	1/4-14 x 3"	HWH	#3	.036 - .210	2.280	

Performance Data


PULLOUT VALUES (avg. lbs ultimate)										
Fastener		Steel Gauge								
Dia	Pt	26	24	22	20	18	16	14	12	3/16
8	2	119	193	265	298	491	703	959		
10	3	124	208	266	299	499	708	967	1474	
12	3	131	196	258	312	452	692	1063	1631	2998
1/4	3	141	231	293	346	613	880	1145	1858	4550

FASTENER VALUES (avg. lbs ultimate)			
Fastener (dia-tpi)	Tensile (lbs min.)	Shear (avg. lbs ult.)	Torque (min. in lbs)
8-18	1545	1000	42
10-16	1936	1400	61
12-14	2778	2000	92
1/4-14	4060	2600	150


SHEAR VALUES (avg. lbs ultimate)									
Fastener		Steel Gauge (Lapped)							
Dia	Pt	26	24	22	20	18	16	14	12
8	2	294	496	560	740	1060			
10	3		455	526	728	1266	1540	1552	
12	3				769	1358	1620	1970	1986
1/4	3				930	1442	2100	2584	2650


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.


Installation Guidelines

 A standard screwgun with a depth sensitive nosepiece should be used to install Tekes. For optimal fastener performance, the screw gun should be a minimum of 6 amps and have an RPM range of 0-2500.

 Adjust the screwgun nosepiece to properly seat the fastener.

 New magnetic sockets must be correctly set before use. Remove chip build-up as needed.

 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.

Properly Seated Washers



304 SS & CARBON TAPPERS

Self tapping fasteners for applications requiring extra corrosion protection.



Applications

-  Clips to structural or bar joist.
-  Longer length fasteners can be used in retrofit clip & sheet applications.
-  Coastal applications. (Stainless Steel Only)
-  Liner panels to structural steel or bar joist.

Product Features

-  304 Stainless Steel for added corrosion protection.
-  Engineered for fast and smooth tapping with less effort.
-  Vulcanized bonding of washer eliminates separation.

Product Specifications

Material	304 Stainless Steel or Carbon Steel
Diameter	#14, #17
Thread Form	14 - 10
	17 - 9
Head Style	3/8" AF HWH
Point	Type A
Finish	Carbon = Electro Zinc
	Stainless = Electro Zinc

Head Style



304 SS & CARBON TAPPERS

PRODUCT REPORT No. 040601

Selector Guide



Carbon Steel Electro Zinc Part #	304 Series Electro Zinc Part #	Description	Carbon Steel Box Qty.	304 SS Box Qty.
1874200	1863000	14 x 3/4" HWH W/ BD Type A Tappers	2,500	2,500
1875200	1864000	14 x 1" HWH W/ BD Type A Tappers	2,500	2,500
1877200	1866000	14 x 1-1/2" HWH W/ BD Type A Tappers	2,000	2,000
1879200	--	14 x 2" HWH W/ BD Type A Tappers	1,500	1,500
1880200	--	14 x 2-1/2" HWH W/ BD Type A Tappers	1,000	1,000
1881200	--	14 x 3" HWH W/ BD Type A Tappers	1,000	750
1886200	--	17 x 3/4" HWH W/ BD Type A Tappers	2,500	2,000
1887200	--	17 x 1" HWH W/ BD Type A Tappers	--	2,000

Performance Data

with Bonded Washer		PULLOUT VALUES (avg. lbs ultimate)							
		Gauge	26	24	22	20	18	16	14
Fastener		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
14	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	3/16"	#7	#7
			191	252	336	371	545	694	884
Fastener		Gauge	26	24	22	20	18	16	14
		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
17	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	#2	#2	1/4"
			263	307	425	475	559	791	

with Bonded Washer		PULLOVER VALUES (avg. lbs ultimate)							
		Gauge	26	24	22	20	18	16	14
Fastener		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
14	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	3/16"	#7	#7
			595	827	1093	1341	1931	2229	2696
Fastener		Gauge	26	24	22	20	18	16	14
		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
17	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	#2	#2	1/4"
			565	792	970	1100	1556	1813	2065

with Bonded Washer		SHEAR VALUES (avg. lbs ultimate)					
Fastener		Gauge	26-14	24-14	22-14	20-14	18-14
14	Type A	Drill Size	#7	#5	#2	#2	0.234"
			534	704	863	1245	2120
Fastener		Gauge	26-18	24-18	22-14	20-14	18-14
17	Type A	Drill Size	#2	1/4"	1/4"	1/4"	1/4"
			454	1013	1264	1544	1294

304 SS FASTENER VALUES (avg. lbs ultimate)			
Fastener (dia-tpi)	Tensile (lbs min.)	Shear (avg. lbs ult.)	Torque (min. in lbs)
14-10	2684	2148	127
17-9	N/A	N/A	229

CARBON STEEL FASTENER VALUES (avg. lbs ultimate)			
Fastener (dia-tpi)	Tensile (lbs min.)	Shear (avg. lbs ult.)	Torque (min. in lbs)
14-10	4060	2600	150
17-9	5000	2750	173

Tools and Techniques



A standard screwgun with a depth sensitive nosepiece should be used to install Tappers. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.



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.



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HTZ™

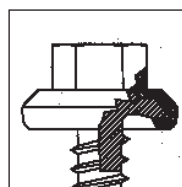
High Torque Zinc Die Cast Long Life Metal Building Tek® Fasteners

Buildex HTZ fasteners exhibit the highest torsional head strength in the zinc die cast market... no head failures.



Applications

- Panel over blanket insulation to steel frame.
- Stitch roof and wall sidelaps.
- Standing seam roof system endlaps.



No Mar Radius Head Design

Product Features

- HTZ patented "Internal Spline" provides the strongest torsional values in the industry ... no head failures.
- Zinc aluminum alloy head provides acceptable long life resistance ... no red rust.
- "No mar radius head design" will not scratch, pierce or damage panels if overdriven.
- Indented HWH provides excellent socket stability.
- For improved appearance and extra life an integral design controls the EPDM washer ... maximum sealing protection.
- Non-walking point, fast material engagement.
- Point-to-thread design maximizes pullout performance and minimizes backout.

Product Specifications

Diameter.....#12, 1/4, #17

Thread Form.....12-14, 1/4-14, 17-14, 9-15

Point Type.....Tek 1, Tek 2, Type AB

Finish Climaseal®

Available with P³ powder paint

Head Style

5/16 HWH zinc-aluminum alloy with integral washer design.



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachment
1721053	1/4-14 x 7/8"	HTZ	#1	.024-.095	.320
1727053	12-14 x 1	HTZ	#2	.024-.095	.310
1729053	12-14 x 1-1/2"	HTZ	#2	.036-.210	.790
1757053	12-14 x 2"	HTZ	#2	.036-.210	1.40
1723053	1/4-14 x 1-1/4"	HTZ	#2	.036-.210	.630
1778053	1/4-14 x 1-1/2"	HTZ	AB		1.180

Performance Data

Pullout Values (average lbs. ultimate)											
Fastener		Steel Gauge									
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16	1/4
12	2	156	243	283	375	605	848	1181	1856	3520	-
1/4	1	208	329	428	562	800	1151	-	-	-	-
	2	141	231	293	346	613	830	1145	1858	4550	-
	AB	235	365	496	597	702	926	1180	1690	3446	4212

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Note: Tek screws 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.

Shear Values (average lbs. ultimate)									
Fastener		Steel Gauge (lapped)							
Dia.	Pt.	26	24	22	20	18	16	14	12
12	2	365	600	623	898	1370	1758	2138	2202
1/4	1	511	849	885	1244	1764	-	-	-
	2	-	-	-	930	1442	2100	2584	2650
	AB	422	482	669	889	1157	-	-	-

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg.lbs.ult.)	Torque (min.in.lbs.)
12-14	2778	2000	92
1/4-14	4060	2600	150

Installation Guidelines

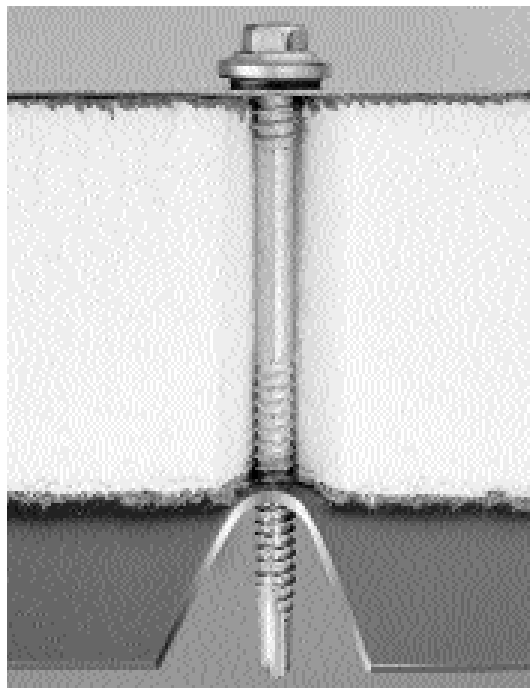
- A standard screwgun with a depth sensitive nosepiece should be used to install Tek screws. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- The fastener is fully seated when the head is flush with the work surface.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.



TEKS®

Exterior Rigid Insulation Fasteners

The original self-drilling fasteners designed specifically for rigid insulation.



Applications

- Roof and wall panel over rigid insulation to steel framing.
- Roof panel over spacer block and insulation to eave purlin.

Product Features

- Unique rider section stops panel jacking, point burnout and breakage.
- High thread under the head prevents panel stripout.
- Improved in place aesthetics.
- Available in Scots® and Maxiseal® headstyles.
- Maximum pullover performance.
- Excellent driving stability.
- Seals when driven at an angle.
- Fastens the broadest range of insulation thickness.
- Point has precise cutting edges to improve drill performance with less effort.
- Non-walking point provides fast material engagement.
- Point to thread design maximizes pullout performance and minimizes backout.
- Climaseal® finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

Diameter..... #12

Thread Form..... 12-14 with rider section

Head Style..... 5/16" HWH Maxiseal
5/16" HWH Scots 300 Series
Stainless

Washer Style..... 9/16" O.D. Integral System

Drill Point..... Tek 3

Finish Climaseal
Available with P³ powder paint

Head Styles

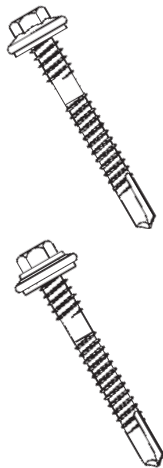
Maxiseal Head



Scots Head



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Insulation Range	Box Qty	Application
Maxiseal®							• Roof and wall panel over rigid insulation to steel framing.
1034000	12-14 x 1-7/8"	HWH	#3	.036-.210	3/4" to 1"	1,500	
1036000	12-14 x 2-3/8"	HWH	#3	.036-.210	1-1/8" to 1-1/2"	1,000	
1038000	12-14 x 3-1/4"	HWH	#3	.036-.210	1-5/8" to 2-3/8"	750	
1040000	12-14 x 4"	HWH	#3	.036-.210	2-1/8" to 3"	500	
Scots®							• Roof panel over spacer block and insulation to eave purlin.
1169200	12-14 x 1-7/8"	HWH	#3	.036-.210	3/4" to 1"	1,500	
1170200	12-14 x 2-3/8"	HWH	#3	.036-.210	1-1/8" to 1-1/2"	1,000	
1171200	12-14 x 3-1/4"	HWH	#3	.036-.210	1-5/8" to 2-3/8"	750	
1172200	12-14 x 4"	HWH	#3	.036-.210	2-1/8" to 3"	500	

Performance Data

Pullout Values (average lbs. ultimate)										
Fastener		Steel Gauge								
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16
12	3	142	211	289	341	551	757	1063	1631	2998

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
12-14	2778	2000	90

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average lbs. ultimate)									
Fastener		Steel Gauge (lapped)							
Dia.	Pt.	26	24	22	20	18	16	14	12
12	3	-	-	-	769	1358	1620	1970	1986

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.

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Tekes. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- 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.

Properly Seated Washers



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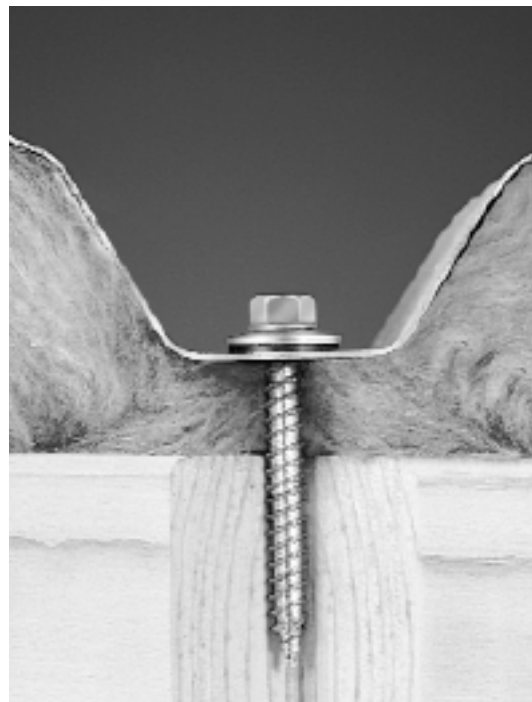
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TRUGRIP™ GT

Metal-to-Wood Fasteners







The preferred fastener by the leading post frame builders and manufacturers.



Applications

-  Roof and wall panel to wood structure.
-  Panel over insulation to wood structure.
-  Stitch roof and wall panel.

Product Features

-  Non-walking sharp gimlet point for fast material engagement.
-  Double lead thread for fast panel pick-up.
-  Dual sealing bonded washer prevents leaks.
-  Vulcanized bonding of washer eliminates separation of EPDM from the metal backing.
-  High hat HWH for driving stability.
-  Climaseal® finish provides excellent corrosion resistance and lower tapping torque.

Product Specifications

Diameter.....	#9 and #12
Thread Form.....	9-15 double lead 12-14
Head Style.....	1/4" HWH
Washer Style.....	Galvanized (G-90)
Drill Point.....	Gimlet
Finish.....	Climaseal
	Available with P ³ powder paint

Head Styles

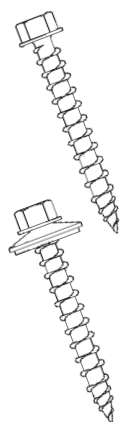
Hex Washer Head



Hex Washer Head with Bonded Washer



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Material Attachment Range	Box Qty	Applications
1271000	9-15 x 1"	HWH	Gimlet	.012-.048	0-.250	7,000	• Wall panel to wood structure • Panel over insulation to wood.
1272000	9-15 x 1-1/2"	HWH	Gimlet	.012-.048	0-.750	4,000	
1275000	9-15 x 2-1/2"	HWH	Gimlet	.012-.048	1.000-1.750	1,500	
1276000	9-15 x 3"	HWH	Gimlet	.012-.048	1.500-2.250	1,500	
1558000	14-10 x 1-1/2"	5/16" AF HWH	Type 17	.012-.048	.445	3,000	
1277000	12-14 x 3/4"	HWH	Gimlet	.012-.048	---	4,000	• Stitching of wall panel.
With 1/2" Bonded Washer							
1262000	9-15 x 1"	HWH	Gimlet	.012-.048	0-.250	4,000	• Roof and wall panel to wood. • Panel over insulation to wood.
1264000	9-15 x 1-1/2"	HWH	Gimlet	.012-.048	0-.750	2,500	
1267000	9-15 x 2"	HWH	Gimlet	.012-.048	.500-1.250	2,000	
1268000	9-15 x 2-1/2"	HWH	Gimlet	.012-.048	1.000-1.750	1,500	
1269000	9-15 x 3"	HWH	Gimlet	.012-.048	1.500-2.250	1,000	
1525053	14-10 x 1"	3/8" AF HWH	Type 17	.012-.048	0-.445	2,500	• Stitching of roof and wall panel.
1526053	14-10 x 1-1/2"	5/16" AF HWH	Type 17	.012-.048	0-.750	2,000	
1270000	12-14 x 3/4"	*HWH	Gimlet	.012-.048	---	4,000	

*With 9/16" O.D. Bonded Washer.

Performance Data

Pullout Values in Steel (average lbs. ultimate)					
Fastener Dia.	Steel Gauge				
	26	24	22	20	18
9	171	252	329	401	634
12	199	271	360	426	656

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
9-15	1800	1200	50
12-14	2778	2000	92

Sheet Steel Gauges	
Gauge No.	Decimal Equivalent
18	.048"
20	.036"
22	.030"
24	.024"
26	.018"
28	.015"
30	.012"

Pullout Values in Wood (average lbs. ultimate)					
Fastener Dia.	Embedment in 2" x 4"				
	1/2"	3/4"	1"	1-1/4"	1-1/2"
9	198	328	571	728	872
12	210	335	-	-	-

Pullover Values (average lbs. ultimate)						
Fastener		Steel Gauge				
Dia.		26	24	22	20	18
9	Unwashed	465	623	815	1049	1549
9	Washed	515	674	875	1100	1627
12	Unwashed	527	699	863	912	1185
12	Washed	587	744	915	993	1246

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.

Installation Guidelines

A standard screwgun with a depth sensitive nosepiece should be used to install TruGrip™. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.

Adjust the screwgun nosepiece to properly seat the fastener.

New magnetic sockets must be correctly set before use. Remove chip build-up as needed.

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.

Properly Seated Washers



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SCOTS® TRUGRIP™






Long Life Post Frame Fasteners



Applications

-  Roof and wall panel to wood structure.
-  Panel over insulation to wood structure.
-  Stitch roof and wall panel.

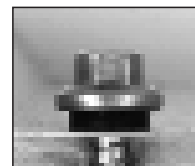
Product Features

-  Integral washer head design seals even when driven at an angle.
-  300 series stainless head most preferred for galvalume long life panels.
-  #10 Hi-Lo thread has 30% greater pullout than #9 in wood.
-  Climaseal® long life finish resists corrosive elements in wood.
-  Type 17 point for fast cutting and easier tapping.

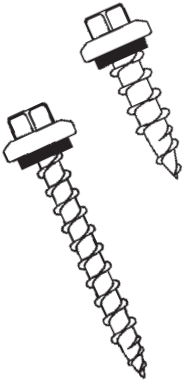
Product Specifications

Diameter.....	#10 and #12
Thread Form.....	10-16 Hi-Lo and 12-14 Double Lead Scots Head
Head Style	1/4" Across Flats HWH (300 Series Stainless)
Washer Style.....	7/16" O.D. Integral Head with EPDM Washer
Drill Point	#10: Type 17 #12: Gimlet
Finish	Climaseal® Available with P ³ powder paint

Head Style



Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Material Attachment Range	Box Qty	Common Applications
1951053	10-16 x 1"	HWH	Type 17	.012-.048	0-.250	2,500	<ul style="list-style-type: none"> Roof and wall panel to wood structure. Panel over insulation to wood structure.
1953053	10-16 x 1-1/2"	HWH	Type 17	.012-.048	0-.750	2,500	
1955053	10-16 x 2"	HWH	Type 17	.012-.048	.500-1.250	1,000	
1957053	10-16 x 2-1/2"	HWH	Type 17	.012-.048	1.000-1.750	1,000	
1691053	12-14 x 3/4"	HWH	Gimlet	.012-.048	----	4,000	<ul style="list-style-type: none"> Stitching of roof and wall panel.

Performance Data

Pullout Values in Steel (average lbs. ultimate)					
Fastener Dia.	Steel Gauge				
	26	24	22	20	18
9	171	252	329	401	634
10	151	238	291	359	478
12	199	271	360	426	656

Fastener Values			
Fastener (dia-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
9	1800	1200	50
10	1927	1200	71
12	2778	2000	92

Sheet Steel Gauges	
Gauge No.	Decimal Equivalent
18	.048"
20	.036"
22	.030"
24	.024"
26	.018"
28	.015"
30	.012"

Pullout Values in Wood (average lbs. ultimate)					
Fastener Dia.	Embedment in 2" x 4" (SYP)				
	1/2"	3/4"	1"	1-1/4"	1-1/2"
9	198	328	571	728	872
10	256	710	753	1121	1358
12	210	335	-	-	-

Pullover Values (average lbs. ultimate)						
Fastener Dia.	Steel Gauge					
		26	24	22	20	18
9	Washed	515	674	875	1100	1627
10	Washed	548	932	1122	1444	1894
12	Washed	587	744	915	993	-

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.

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Scots TruGrip. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.

- 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.

Properly Seated Washers



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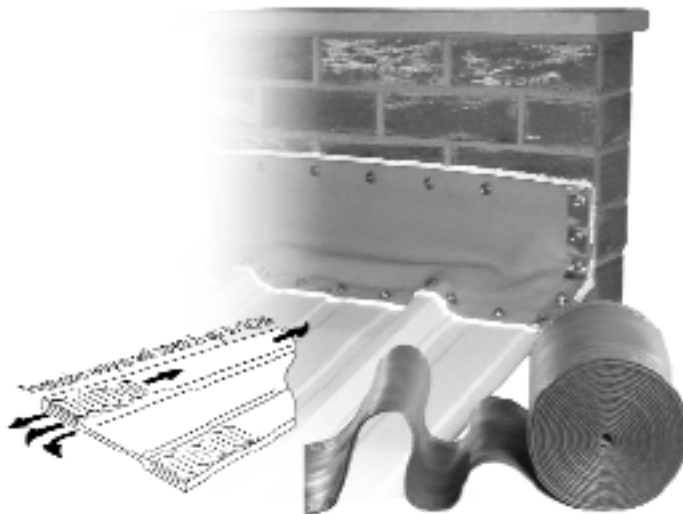
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DEKSTRIP™

Expandable Edged Flashing








Stretches to any shape, seals & stays.



Applications

-  Large square & round ducts & penetrations
-  Chimneys
-  Skylights
-  Parapet Flashing
-  Expansion Joints
-  Stepped Roof
-  Dissimilar roof profiles
-  Transition wall
-  Gambrel roof
-  Flash between dissimilar materials

Product Features

-  20 year warranty
-  Wraps around almost any profile
-  Paintable after installation
-  TPE has a continuous service temperature range of -58°F to +240°F
-  Serpentine edges stretch up to 25% for added length
-  Great for large round pipes
-  Handles vibration & expansion

Product Specifications

Material Grey TPE

Base Kit Contents

- Dekstrip material
- 1" x 4' Aluminum termination strip
- 3" x 2' Splice tape

Selector Guide

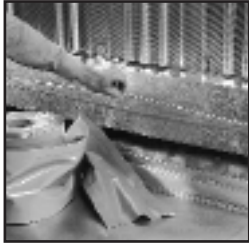
Base Kit Part No.	Description	Weight	Fasteners Needed (1-1/2" o.c.)
4157910	7" x 75'	26 lb.	1200
4155910	9" x 75'	31 lb.	1200
4156910	12" x 75'	38 lb.	1200
4171910	18" x 50'	30 lb.	800

Accessories for Dekstrip

Part #	Description	Used On
1175100	1/4-14 x 1-1/8" Scots® T/1	Metal roof and wall
3358407	1/4 x 1-3/4" Scots Tapcon	Concrete/masonry
4172910	.040 x 1" x 4' Aluminum Termination Strip	Terminating/joining ends of Dekstrip
4040910	Sikaflex 201 Polyurethane Sealant	Sealing edges on all surfaces
4178910	3" x 2' Splice tape	Splicing, lapping, sealing to all surfaces
3379910	Condrive® 500 Tool	Basic (2) Piece Tapcon® installation tool
3103910	Condrive® 1000 Tool	(2) Piece Tapcon® installation tool
3119910	Condrive® 2000 Tool	(1) Piece Tapcon® installation tool

Installation Guidelines

Basic Installation



1. Snap a chalk line to provide a guide for applying sealant.



2. Apply a continuous bead of sealant along chalk line.



3. Position top edge of Dekstrip over seal bead and install Buildex fasteners at 1-1/2" maximum intervals on top edge. Repeat steps 1, 2, and 3 for the bottom edge.



4. Apply additional sealant to both fastened edges for maximum weather-tight sealing.

Splicing

Materials Needed:

- Leather Gloves
- Heat Gun
- 3" x 2' splice tape
- Shears or scissors



1. Apply splice tape to Dekstrip.



2. Position second Dekstrip over tape & press in place.

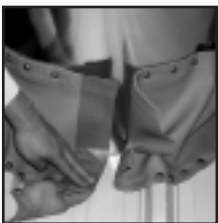


3. Apply heat and press firmly to seal edges.

Detailed Instructions

1. Cut splice tape (supplied in Dekstrip carton) to the width needed and remove clear film from one side of the tape. Lining up the edges, press the tape firmly onto the Dekstrip to remove air pockets.
2. Remove remaining film from tape. Apply second piece of Dekstrip over tape and press firmly.
3. Apply heat over spliced area for 1-2 minutes while applying firm pressure over entire spliced area to ensure adhesion.
4. Turn material over and repeat step 3.

Joining ends around round pipes



1. Cut splice tape to length, remove film from one side and apply to Dekstrip.



2. Remove film from top of splice tape.



3. Overlap top piece of Dekstrip and press onto tape.



4. Fold termination strip in half, cut to width, and slide over spliced area.



5. Fasten through top of termination strip, Dekstrip, and back of strip with Scotsfasteners or rivets.



6. Apply sealant to all seams.



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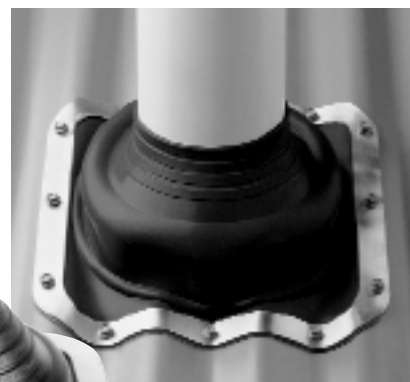
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DEKTITE SQUARE™ DEKTITE EZI-SEAL™

Pipe Flashings

The Original Flexible Pipe Flashing System Now With a
Square Base and Square with Pre-Applied
Sealing Gasket












Applications





 Plumbing, Heating, Air Conditioning, Electrical and Exhaust Vents.

Product Features

Dektite Square

-  Excellent property retention in temperature extremes (continuous range of -65°F to 250°F).
-  Made of long life, flexible, weatherproof black EPDM rubber.
-  Flexible, corrosion resistant aluminum base conforms to any panel configuration.
-  EPDM will not crack or break.
-  Pipe diameter markings are clearly indicated for accurate fitting.
-  Designed for 1/4" to 17 3/8" diameter pipes.
-  One piece construction is easy to install.
-  Proven resistance to ozone and ultra-violet light.
-  Ideal for steep slope (up to 45°) roofs.

Dektite EZi-Seal

-  Same features and benefits of Dektite Square with these added benefits:
-  Base gasket eliminates the need for additional chemical sealers.
-  Watertight seal achieved at 40% compression of gasket.
-  Seals on wet or dry surfaces.

Product Specifications

Pipe Diameter Ranges.....1/4" to 17 3/8"

Materials..... Black EPDM

Dektite EZi-Seal Installation Guidelines



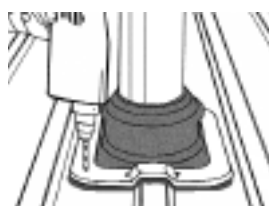
STEP 1:
Cut Dektite® at appropriate pipe diameter marking.



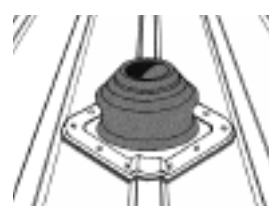
STEP 2:
Slide Dektite® flashing down over pipe.



STEP 3:
Press Dektite® base into contours of panel configurations. (Apply sealant to square Dektite underside)



STEP 4:
Fasten Dektite® to surface with Buildex SCOTS® self-drilling fasteners. (Apply sealant around square Dektite Base)



Note:
Use these Dektite® products on the 'diamond' or bias for enlarged holes and penetrations on steep pitched roofs up to 45° or deep corrugations.

- Notes:**
- Dektite® can be installed over or between the ribs of standard panels.
 - **DO NOT** install over SSR or architectural panel ribs.
 - Generally no sealant is required where the Dektite® collar provides a compression fit around the pipe. However, some metal pipes and flues include a seam which may require a local application of silicone sealant at the pint where the Dektite® collar crosses the seam.

Selector Guide

Part Number	Description	Pipe Outside Diameter	Dektite Base Dimensions
4159910	Mini SQ	0" - 1 3/8"	3 7/8" x 3 7/8"
4147910	Mini EZ	0" - 1 3/8"	3 7/8" x 3 7/8"
4160910	#1 SQ	1/4" - 2 1/8"	5 3/8" x 5 3/8"
4148910	#1 EZ	1/4" - 2 1/8"	5 3/8" x 5 3/8"
4161910	#2 SQ	2" - 2 3/4"	7" x 7"
4149910	#2 EZ	2" - 2 3/4"	7" x 7"
4162910	#3 SQ	2" - 4 3/4"	8 9/16" x 8 9/16"
4150910	#3 EZ	2" - 4 3/4"	8 9/16" x 8 9/16"
4163910	#5 SQ	4 1/2" - 6 1/4"	11 3/16" x 11 3/16"
4151910	#5 EZ	4 1/2" - 6 1/4"	11 3/16" x 11 3/16"
4194910	#7 SQ	6 1/4" - 8 3/4"	14 3/8" x 14 3/8"
4152910	#7 EZ	6 1/4" - 8 3/4"	14 3/8" x 14 3/8"
4195910	#8 SQ	8 3/4" - 11 3/4"	17 7/8" x 17 7/8"
4153910	#8 EZ	8 3/4" - 11 3/4"	17 7/8" x 17 7/8"
4196910	#9 SQ	11 1/2" x 17 3/8"	22 7/8" x 22 7/8"
4154910	#9 EZ	11 1/2" x 17 3/8"	22 7/8" x 22 7/8"



Note: When used on roofs where pitch is steeper than 20 degrees, or when used on deep ribbed profile roof panel (1-1/2" deep corrugation or more), consider using next larger size Dektite that will accommodate the same pipe diameter. **Recommended Fastener: 1/4-14 x 1-1/8" Scots® Tek®/1, part number 1175153.**

Performance Data

ASTM Method	Test Description	Specification	Test Results	ASTM Method	Test Description	Specification	Test Results
D412	Tensile Strength (min. psi rating)	1450 psi min.	1537 psi	D2137	Low Temperature Brittleness- 3 mins. at -40° F	Non-brittle	Passed
D412	Ultimate Elongation (%)	350 min.	535	D624	Tear Resistance Die C (min.) per inch of width min.	125 pounds per inch of width	130 pounds
D1171	Resistance to Ozone-min. rating	100 (no cracks)	Passed	U.L. 94	Flame Resistance	U.L. 94 H.B.	Passed
D673	Heat Aging - 70 hrs.at 212° F						
	Change in Hardness (points)	± 15 max.	+8				
	Change in Tensile Strength (%)	± 30 max.	-4.7				
	Change in elongation (%)	± 50 max.	-26				



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DEKTITE® AND RETROFIT DEKTITE® Pipe Flashings

The original flexible pipe flashing system with a 20 year warranty.



Applications

- Plumbing, Heating, Air Conditioning, Electrical and Exhaust Vents.

Product Features

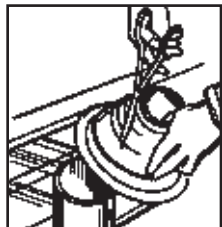
- Made of long life, flexible, weatherproof gray EPDM rubber or red silicone.
- Flexible, corrosion resistant aluminum base conforms to any panel configuration.
- EPDM and silicone will not crack or break.
- Pipe diameter markings are clearly indicated for accurate fitting.
- Designed for 1/4" to 18" diameter pipes.
- One piece construction is easy to install.
- Pleated cone adjusts to any roof pitch and allows for complete flexibility.
- EPDM has a continuous service temperature range of -65°F to +250°F.
- Silicone has a continuous service temperature range of -40°F to +350°F.
- Proven resistance to ozone and ultra-violet light.

Product Specifications

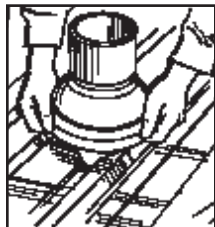
Pipe Diameter Ranges..... 1/4" to 18" - Dektite
3/4" to 10" - Retrofit Dektite
1/4" to 18" - Silicone

Materials..... EPDM - Standard and Retrofit
Silicone - High Temperature

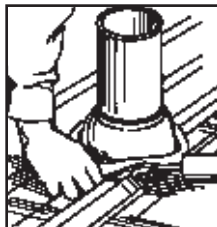
Dektite Installation Guidelines



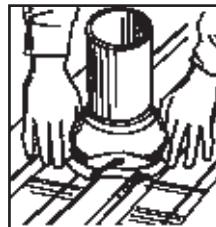
STEP 1: Cut Dektite at appropriate pipe diameter marking.



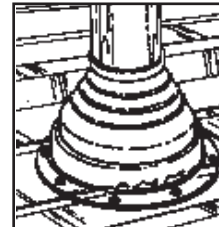
STEP 2: Slide Dektite flashing down over pipe.



STEP 3: Apply sealant on underside of flexible aluminum base.



STEP 4: Press Dektite base into contours of panel configuration.

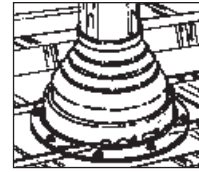


STEP 5: Fasten Dektite to surface with Buildex SCOTS self-drilling fasteners. Apply additional sealant around base if desired.

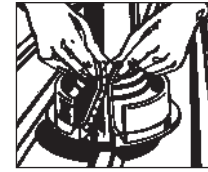
- Notes:**
- Dektite can be installed over or between the ribs of standard panels.
 - DO NOT** install over SSR or architectural panel ribs.
 - Generally no sealant is required where the Dektite collar provides a compression fit around the pipe. However, some metal pipes and flues include a seam which may require a local application of sealant at the point where the Dektite collar crosses the seam.

Selector Guide

Dektite Flashing Guide					
Part Number	Description	Pipe Outside Diameter	Dektite Base Diameter	Dektite Height	Box Quantity
4001910	Mini	1/4"-1-1/8"	3-1/2"	1-3/4"	20
4003910	1	1/4"-2"	4-3/4"	3"	10
4004910	2	1-3/4"-3-1/4"	6-1/4"	4"	10
4009910	3	1/4"-5"	7-3/4"	4"	10
4035910	#3 Silicone				
4011910	4	3"-6"	9-1/4"	5"	10
4016910	5	4"-7"	10-3/4"	5"	5
4036910	#5 Silicone				
4018910	6	5"-9"	12-1/2"	6"	5
4020910	7	6"-11"	14-1/2"	6"	5
4025910	8	7"-13"	16-1/2"	6"	5
4038910	#8 Silicone				
4028910	9	10"-18"	25-3/8"	8"	2
4039910	#9 Silicone				



Standard Dektite



Retrofit Dektite

Retrofit Dektite Selector Guide					
Part Number	Dektite Size Number	Pipe Outside Diameter	Dektite Base Diameter	Dektite Height	Box Qty
4029910	801	3/4"-2-3/4"	6-3/10"	3-1/2"	10
4030910	802	2"-7-1/4"	10-3/4"	5-3/5"	5
4031910	803	3-1/4"-10"	14-1/2"	5-4/5"	5

Note: When used on roofs where pitch is steeper than 20 degrees, or when used on deep ribbed profile roof panel (1-1/2" deep corrugation or more), consider using next larger size Dektite that will accommodate the same pipe diameter. **Recommended Sealant:** Chemseco Sikaflex® sealant, part number 4040910. **Recommended Fastener:** 1/4-14 x 1-1/8" Scots® Tek®/1, part number 1175153.

Performance Data

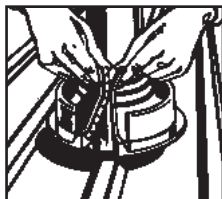
ASTM Method	Test Description	Specification	Test Results
D412	Tensile Strength (min. psi rating)	1450 psi min.	1537 psi
D412	Ultimate Elongation (%)	350 min.	535
D1171	Resistance to Ozone-min. rating	100 (no cracks)	Passed
D673	Heat Aging - 70 hrs. at 212°F		
	• Change in Hardness (points)	± 15 max.	+8
	• Change in Tensile Strength (%)	± 30 max.	-4.7
	• Change in Elongation (%)	± 50 max.	-26

ASTM Method	Test Description	Specification	Test Results
D2137	Low Temperature Brittleness-3 mins. at -40°F	Non-brittle	Passed
D624	Tear Resistance Die C (min.) per inch of width min.	125 pounds per inch of width	130 pounds
U.L. 94	Flame Resistance	U.L. 94 H.B.	Passed

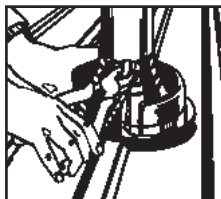
Retrofit Dektite Installation Guidelines



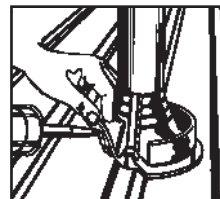
STEP 1: Begin cutting opposite of the mechanical locking jointer. Cut through the jointer with tin snips.



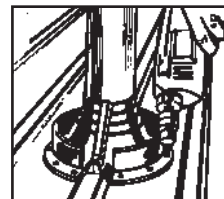
STEP 2: Wrap Retrofit Dektite around the pipe. Engage the top section of the jointer first, then proceed down until jointer is completely engaged.



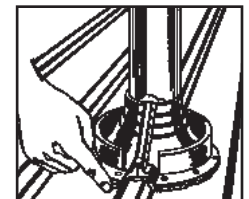
STEP 3: Crimp jointer tightly, starting at the top by squeezing jointer "fingers" with pliers.



STEP 4: Apply sealant to the underside of the ribbed aluminum base. Press Retrofit Dektite against contours of the panel configuration.



STEP 5: Attach Retrofit Dektite to the panel with SCOTS® self-drilling screws. Screws should be spaced as necessary to avoid gaps between the base and the panel.



STEP 6: Apply additional sealant around the top of the Dektite, near the mechanical locking jointer seam.

Recommended Sealant: Chemseco Sikaflex® sealant, part number 4040910.



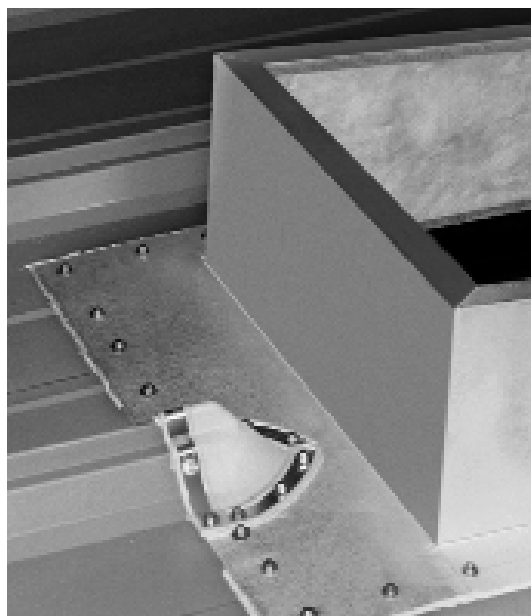
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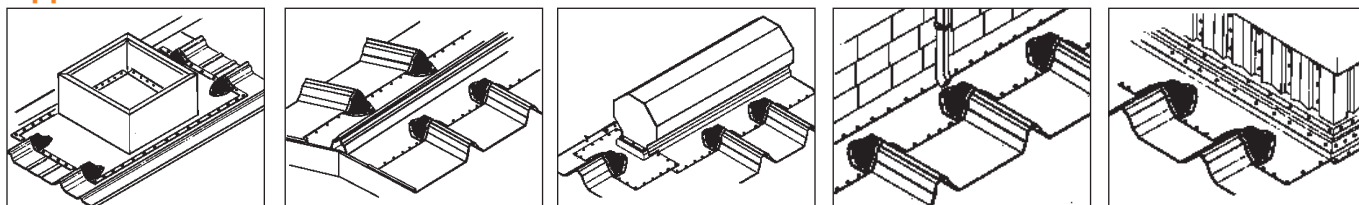
DEK-CAP™

Standing Seam Roof End Cap Flashing










The only universal end cap flashing!!



Applications



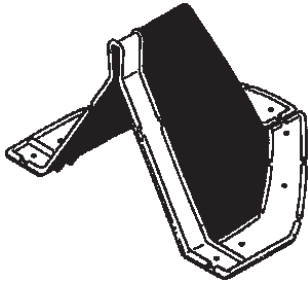
Product Features

-  Universal design allows use on left and right handed seams.
-  Flexible, corrosion resistant aluminum base conforms to the majority of standing seam roof panels.
-  Pre-formed panel profile shape is designed to reduce installation time.
-  Fastening locations are clearly indicated for accurate installation.
-  Dual underside ridges provide maximum sealing protection.
-  Thermal elastomer material provides excellent resistance to ozone, ultra-violet light and extreme temperatures.
-  Thermal elastomer has a continuous temperature of -40°F to 250°F.
-  Expansion notch provides added installation flexibility.
-  Interior panel stop ensures correct installation position.

Product Specifications

Material.....Thermal Elastomer
 Width.....7-1/4"
 Length.....5-3/4"
 Height.....3-5/16"
 Color.....Gray

Selector Guide



Part Number	Description	Applications	Box Quantity
4146910	Dek-Cap	Metal Curbs, Skylights, Ridge Applications, Jobsite Retrofit	10

Performance Data

ASTM Method	Test Description	Test Specification	Results
D412	Tensile Strength (min. psi rating)	1450 psi min.	1500 PSI
D412	Ultimate Elongation (%)	350 min.	450
D1171	Resistance to Ozone-min. rating	100 (no cracks)	Passed
D573	Heat Aging - 70 hrs. at 212°F •Change in Hardness (points) •Change in Tensile Strength (%) •Change in Elongation (%)	± 15 max. ± 30 max. ± 50 max.	+3 +2 -3

ASTM Method	Test Description	Test Specification	Results
D2137	Low Temperature Brittleness-3 mins. at -40°F	Non-brittle	Passed
D624	Tear Resistance Die C (min.)	125 pounds per inch of width min.	Passed

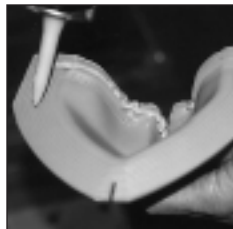
Installation Guidelines



STEP 1:
Bend top so that both sides are parallel to metal roof.



STEP 2:
Press Dek-Cap edges into contours of panel configuration.



STEP 3:
Remove and apply sealant on underside of flexible aluminum edging.



STEP 4:
Slide Dek-Cap flashing over panel profile.



STEP 5:
Follow indicated fastening pattern to attach Dek-Cap to surface with Buildex Scots self-drilling fasteners.



STEP 6:
Apply additional sealant around base if desired.

Recommended Sealant: Chemseco Sikaflex® sealant, part number 4040910.



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TAPCON[®]

The Original Masonry Fastening System

The original masonry anchor that cuts threads into concrete, brick or hollow block.



Applications

- Electrical junction boxes and conduit clips to masonry.
- Wood headers and furring strips to masonry.
- HVAC strapping to masonry.
- Plywood backer boards to masonry.
- Exterior insulation systems to masonry.

Product Features

- Fast installation ... drill a hole ... drive an anchor.
- Packaged with one Tapcon "close tolerance" masonry drill bit per 100 anchors. Also available in bulk packaging.
- Available in 3/16" diameter up to 4" in length and 1/4" diameter up to 6" in length.
- Compatible for use in ACQ treated wood.
- Replaces small diameter expansion anchors, plugs and screws in light to medium duty applications.
- No need to pre-spot holes ... and no inserts are required.
- Reversible and removable ... can be installed close to an edge.

Installation Tools

- Condrive 500[®] - Compact high speed installation tool designed for installation of Tapcon hex head and Phillips flat head anchors up to 3-3/4" long.
- Condrive 1000[®] - A multi-purpose tool designed for installation of Tapcon hex head and Phillips flat head anchors up to 3-3/4" long.
- Buildex Condrive Tools are designed to specifically install Tapcon Anchors and to fit standard hammer drills.

Approvals and Listings

Miami Dade County
Product Control Approved

ES ICC-ES
ESR-1671



City of Los Angeles
RR25644

Product Specifications

Diameter 3/16" and 1/4"

Thread Form..... Original notched Hi-Lo[®]

Point Type Nail

Finish Blue Climaseal[®]

Head Styles

3/16" Diameter: 1/4" slotted hex washer head (HWH)
1/4" Diameter: 5/16" slotted hex washer head (HWH)



3/16" Diameter: #2 Phillips flat head (PFH)
1/4" Diameter: #3 Phillips flat head (PFH)



Selector Guide

Part Number		Description	Drill Bit	Part Number	Fixture Thickness	Common Applications	
PFH	HWH						
3169407	3139407	3/16 x 1-1/4"	5/32 x 3-1/2"	3095910	0 - 1/4"	•Mounting brackets; control panels; cable clamps, conduit clips, junction switch and control boxes.	
3183407	3153407	1/4 x 1-1/4"	3/16 x 3-1/2"	3098910	0 - 1/4"		
3171407	3141407	3/16 x 1-3/4"	5/32 x 3-1/2"	3095910	1/ - 3/4"	•1/2" or 3/4" plywood backer boards; mounting brackets; control panels; cable clamps; conduit clips, junction, switch and control box meters.	
3185407	3155407	1/4 x 1-3/4"	3/16 x 3-1/2"	3098910	1/4 - 3/4"		
3173407	3143407	3/16 x 2-1/4"	5/32 x 4-1/2"	3096910	3/4" - 1-1/4"	•1 x 2 wood furring; 3/4" plywood backer boards; metal safety grating.	
3187407	3157407	1/4 x 2-1/4"	3/16 x 4-1/2"	3099910	3/4" - 1-1/4"		
3175407	3145407	3/16 x 2-3/4"	5/32 x 4-1/2"	3096910	1-1/4" - 1-3/4"	•2 x 4 wood nailers	
3189407	3159407	1/4 x 2-3/4"	3/16 x 4-1/2"	3099910	1-1/4" - 1-3/4"		
3177407	3147407	3/16 x 3-1/4"	5/32 x 5-1/2"	3097910	1-3/4" - 2-1/4"	•Sill plates; 2 pieces of 2 x 4 or 2 x 6 to masonry. Insulation to masonry.	
3191407	3161407	1/4 x 3-1/4"	3/16 x 5-1/2"	3100910	1-3/4" - 2-1/4"		
3179407	3149407	3/16 x 3-3/4"	5/32 x 5-1/2"	3097910	2-1/4" - 2-3/4"		
3193407	3163407	1/4 x 3-3/4"	3/16 x 5-1/2"	3100910	2-1/4" - 2-3/4"		
3181407	3151407	3/16 x 4"	5/32 x 5-1/2"	3097910	2-1/2" - 3"		
3195407	3165407	1/4 x 4"	3/16 x 5-1/2"	3100910	2-1/2" - 3"		
3197407	3167407	1/4 x 5"	3/16 x 6-1/2"	3102910	3-1/4" - 4"		
3203407	3205407	1/4 x 6"	3/16 x 7-1/2"	3206910	4-1/4" - 5"		
3379910		Condrive 500®	For 3/16 and 1/4 diameter, Hex and Flat Heads, lengths up to 3-3/4"				
3103910		Condrive 1000®	For 3/16 and 1/4 diameter, Hex and Flat Heads, lengths up to 3-3/4"				
The minimum embedment requirement is 1" and the maximum embedment is 1-3/4". One drill bit is provided with every box of 100 pieces.							
*SDS with Hex Drill Bits: 5/32" x 7" SDS Rotary Hammer Drill Bit, Part Number 3311910; (*Condrive 1000 Only) 3/16" x 7" SDS Rotary Hammer Drill Bit, Part Number 3101910.							
						Tapcon Anchors must be installed using all Buildex system components (Tapcon Anchors, Condrive Tools and Tapcon Drill Bits) in order to qualify for ITW Buildex system support.	

Performance Data

Tension in Normal-weight Concrete (lbs.)				
Anchor Diameter	Embedment Depth	Concrete Strength		
		2000 psi	4000 psi	5000 psi
3/16"	1"	600	650	800
	1-1/2"	1090	1090	1220
	1-3/4"	1450	1460	1730
1/4"	1"	750	800	950
	1-1/2"	1380	1820	2170
	1-3/4"	2020	2380	2770
Shear in Normal-weight Concrete (lbs.)				
Anchor Diameter	Embedment Depth	Concrete Strength		
		2000 psi	4000 psi	5000 psi
3/16"	1"	720	720	860
	1-1/2"	860	860	860
	1-3/4"	870	990	990
1/4"	1"	900	1360	1440
	1-1/2"	1200	1380	1670
	1-3/4"	1670	1670	1670
Tension and Shear in CMU (1" Embedment)				
Anchor Diameter	Tension (lbs.)		Shear (lbs.)	
	Light Weight	Medium Weight	Light Weight	Medium Weight
3/16"	220	340	400	730
1/4"	250	500	620	1000

For minimum edge distance and spacing distance, please refer to the ICC-ES report or Miami-Dade report for this product. Lightweight and medium-weight Concrete Masonry Units (CMU) were defined by ASTM C 90.

Installation Guidelines:

CONDRIVE 500 GUIDELINES:

- STEP 1:** Place drill adapter into 3/8" or 1/2" chuck of standard hammer drill. Place drill bit in drill adapter and tighten set screw. Drill hole a minimum of 1/4" deeper than Tapcon anchor is to be embedded.
- STEP 2:** Phillips Heads may be installed using either side of sleeve. To install a 1/4 diameter Hex Washer Head Tapcon, use large opening side of sleeve (see sleeve label). To install a 3/16 diameter Hex Washer Head Tapcon, use small opening side of sleeve (see sleeve label). Slide opposite side of sleeve over drill bit and snap onto drill bit adapter. NOTE: If driving Hex Washer Head Tapcon, driver will automatically disengage. If driving Phillips Head Tapcon, care must be taken to ensure anchor is not overdriven.
- STEP 3:** Loosen set screw on side of drill adapter with 1/8" Hex Key. Do not remove completely. Replace old drill bit with new one. Align flat side with set screw and tighten screw. Do not overtighten.

CONDRIVE 1000 GUIDELINES:

- STEP 1:** Place correct drill bit into driver adapter and drill hole 1/4" deeper than depth of embedment.
- STEP 2:** Slide Condrive Installation Tool sleeve over drill bit. Snap hex head or Phillips Socket in place.
- STEP 3:** Insert anchor in socket, position fixture to be fastened, begin to drive Tapcon into pre-drilled hole.
- STEP 4:** The anchor is fully set when the nosepiece of the Condrive Tool automatically disengages from the socket and fixture is secured in place.

Note: Indicated tension and shear failure values were obtained in tests conducted at CEL Consulting. Designated holding power depends on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way by Illinois Tool Works Inc. The figures indicate average ultimate tension and shear failure values. A safety factor of 4:1 or 25% of ultimate value is generally accepted as a safe working load. However, reference should always be made to applicable codes for the specific safe working ratio. All values are based on close tolerance holes drilled with Buildex Tapcon® carbide drill bits. Performance of the Tapcon anchor may vary in extremely hard concrete aggregates. Consult your Buildex representative for further information.

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1349 West Bryn Mawr Avenue
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www.itwbuildex.com

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MAXI-SET TAPCON®

Masonry Fastening System

For Tapcon applications that require more anchor bearing surface.



Advanced Threadform Technology™
Easier to install - less torque required!

Applications

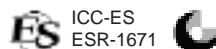
- Shutters - protective and decorative.
- Decorative wrought iron.
- Screened porch and pool enclosures.
- Wood nailers and plywood attachment.
- Various sheet metal flashings.

Product Features

- Same reliable performance and speed of installation as regular Tapcon.
- UltraShield™ and White UltraShield™ long-life finish deliver excellent corrosion resistance.
- Large 5/8" diameter flange provides more bearing surface and increases pullover resistance. High 5/16" hex head adds driving stability.
- Optional Bronze painted head over White UltraShield to match common aluminum extrusions.
- Compatible with DrivTru™ socket system. Improves installation. Protects paint finish. See below.
- Packaged in bulk. Masonry drill bits sold separately.

Approvals and Listings

Miami Dade County
Product Control Approved



City of Los Angeles
RR25644

Product Specifications

Diameter..... 1/4"

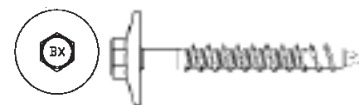
Thread Form..... Advanced Threadform Technology®

Point Type..... Nail

Finish..... UltraShield or White UltraShield

Head Styles

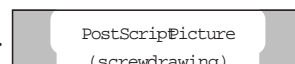
5/16" across flats hex with 5/8" diameter flange.



Installation Socket

DrivTru™ 5/16" HWH Socket System.
Part Number 1513910.

For specifications, see Product Report Number 01213.



Selector Guide



Anchor Description	Anchor Part Number	Box Quantity	Drill Bit	Drill Bit Part Number	Anchor Finish
1/4 x 1-3/4"	3294000	1,000	3/16 x 3-1/2"	3098910	UltraShield
1/4 x 2-1/4"	3295000	1,000	3/16 x 4-1/2"	3099910	UltraShield
1/4 x 1-3/4"	3383100*	1,000	3/16 x 3-1/2"	3098910	White UltraShield
1/4 x 2-1/4"	3384100*	1,000	3/16 x 4-1/2"	3099910	White UltraShield
1/4 x 2-3/4"	3408100*	1,000	3/16 x 4-1/2"	3099910	White UltraShield
1/4 x 3-1/4"	3409100*	750	3/16 x 5-1/2"	3100910	White UltraShield

*Available with Bronze painted head over White UltraShield™.

Note: 2-3/4" and 3-1/4" lengths are special orders. Contact customer service for leadtimes.

Optional Items: Original Tapcon Carbide Drill Bits, Condrive Tools and Installation Sockets.

Carbide Drill Bits (Straight Shank)	Bit Standard Part No.	Tube Qty.
3/16 x 5-1/2"	3100910	10 pcs.
3/16 x 6-1/2"	3102910	10 pcs.
3/16 x 7-1/2"	3206910	10 pcs.

Item	Part No.	Qty/Box
Condrive 500®	3379910	10
Condrive 1000®	3103910	5

NOTE: Must use a DrivTru™ Socket (Part No. 1513910) when using a Condrive Tool.

Carbide Drill Bits (SDS Shank)	Bit Part No.	Standard Tube Qty.
3/16 x 7"	3101910	1 piece

Performance Data

Tension in Normal-weight Concrete (lbs.)				
Anchor Diameter	Embedment Depth	Concrete Strength		
		2000 psi	4000 psi	5000 psi
1/4"	1"	750	800	950
	1-1/2"	1380	1820	2170
	1-3/4"	2020	2380	2770
Shear in Normal-weight Concrete (lbs.)				
Anchor Diameter	Embedment Depth	Concrete Strength		
		2000 psi	4000 psi	5000 psi
1/4"	1"	900	1360	1440
	1-1/2"	1200	1380	1670
	1-3/4"	1670	1670	1670
Tension and Shear in CMU (1" Embedment)				
Anchor Diameter	Tension (lbs.)		Shear (lbs.)	
	Light Weight	Medium Weight	Light Weight	Medium Weight
1/4"	250	500	620	1000

For minimum edge distance and spacing distance, please refer to ICC-ES report or Miami-Dade report for this product. Lightweight and medium-weight Concrete Masonry Units (CMU) were defined by ASTM C 90.

Note: Indicated tension and shear value were obtained in tests conducted at Cel Consulting. Designated holding power depends on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way by Illinois Tool Works Inc. The figures indicate average ultimate pull-out and shear failure values. A safety factor of 4:1 or 25% of ultimate pull-out value is generally accepted as a safe working load. However, reference should always be made to applicable codes for the specific safe working ratio. All values are based on close tolerance holes drilled with Buildex Tapcon® carbide drill bits. Performance of the Tapcon anchor may vary in extremely hard concrete aggregates. Consult your Buildex representative for further information.

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SCOTS TAPCON®

Premium concrete anchor that combines the corrosion protection of stainless steel with the holding power of our regular carbon steel Tapcon.



Applications

- Shutters - Protective and Decorative
- Screened - Porch and Pool Enclosures
- Aluminum Fixtures
- Railings
- Metal Roofing
- Flexible Flashings

Product Features

- 300 Series Stainless Steel Head.
- Pullout strength of carbon steel.
- Integral washer design provides more bearing surface.
- Rubber EPDM sealing washer "locks-out" moisture from building interior.
- Head paint available in white or bronze (extra charge).
- Provides the same strong holding power as regular and Maxi-Set Tapcon.
- Reduces job call-backs to replace "weathered" fasteners.

Approvals and Listings

Miami Dade County
Product Control Approved



ICC-ES
ESR-1671



City of Los Angeles
RR25644

Product Specifications

Diameter 1/4"
Thread Form Advanced Threadform Technology®
Point Type Nail
Finish Silver Climaseal®
Head Style 5/16" HWH (300 Series Stainless)

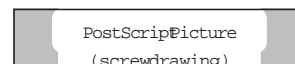
Head Styles



Installation Socket

DrivTru™ 5/16" HWH Socket System.
Part Number 1513910.

For specifications, see Product Report Number 01213.



Selector Guide



Anchor Description	Anchor Part Number	Box/Ctn Qty/Qty	Drill Bit*	Drill Bit Part Number	Anchor Finish	Head Paint
1/4 x 1-3/4"	3358407	100 / 1,000	3/16" x 3-1/2"	3098910	Silver Climaseal® Long-Life	White or Bronze
1/4 x 2-1/4"	3359407	100 / 1,000	3/16" x 4-1/2"	3099910	Coating	Call For Quote

Optional Items: Original Tapcon Carbide Drill Bits, Condrive Tools and Installation Sockets.

Carbide Drill Bits (Straight Shank)	Bit Standard Part No.	Tube Qty.
3/16 x 5-1/2"	3100910	10 pcs.
3/16 x 6-1/2"	3102910	10 pcs.
3/16 x 7-1/2"	3206910	10 pcs.

Item	Part No.	Qty/Box
Condrive 500®	3379910	10
Condrive 1000®	3103910	5

NOTE: Must use a DrivTru™ Socket (Part No. 1513910) when using a Condrive Tool.

Carbide Drill Bits (SDS Shank)	Bit Part No.	Standard Tube Qty.
3/16 x 7"	3101910	1 piece

Performance Data

Tension in Normal-weight Concrete (lbs.)				
Anchor Diameter	Embedment Depth	Concrete Strength		
		2000 psi	4000 psi	5000 psi
1/4"	1"	750	800	950
	1-1/2"	1380	1820	2170
	1-3/4"	2020	2380	2770
Shear in Normal-weight Concrete (lbs.)				
Anchor Diameter	Embedment Depth	Concrete Strength		
		2000 psi	4000 psi	5000 psi
1/4"	1"	900	1360	1440
	1-1/2"	1200	1380	1670
	1-3/4"	1670	1670	1670
Tension and Shear in CMU (1" Embedment)				
Anchor Diameter	Tension (lbs.)		Shear (lbs.)	
	Light Weight	Medium Weight	Light Weight	Medium Weight
1/4"	250	500	620	1000

For minimum edge distance and spacing distance, please refer ICC-ES report or Miami-Dade report for this product. Lightweight and medium-weight Concrete Masonry Units (CMU) were defined by ASTM C 90.

Note: Indicated tension and shear values were obtained in tests conducted at Cel Consulting. Designated holding power depends on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way by Illinois Tool Works Inc. The figures indicate average ultimate pull-out and shear failure values. A safety factor of 4:1 or 25% of ultimate pull-out value is generally accepted as a safe working load. However, reference should always be made to applicable codes for the specific safe working ratio. All values are based on close tolerance holes drilled with Buildex Tapcon® carbide drill bits. Performance of the Tapcon anchor may vary in extremely hard concrete aggregates. Consult your Buildex representative for further information.

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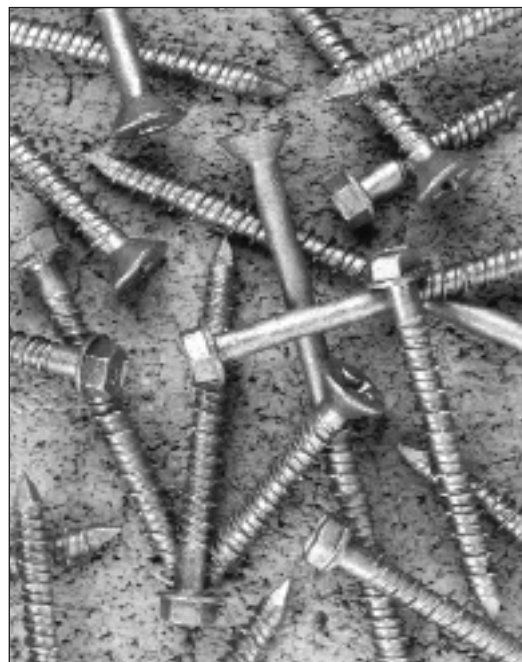
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410 STAINLESS STEEL TAPCON® Masonry Fastening System

Premium masonry anchor that provides the corrosion protection of 410 Stainless Steel and the performance of our original carbon Tapcon.

New Longer
Lengths -
4", 5", and 6"!



Applications

- Shutters - protective and decorative
- Windows
- Screened porch and pool enclosures
- Railings - safety and decorative
- Marine
- Agricultural

Product Features

- 410 Stainless Steel for added corrosion protection.
- Fast installation ... drill a hole ... drive an anchor.
- Cuts threads into concrete, brick and hollow block.
- Available in 3/16" and 1/4" diameters in lengths 1-1/4" - 3-3/4" for 3/16" diameter and now, up to 6" for 1/4" diameter HWH's.
- Buildex head marking for easy field identification
- Reversible and removable ... can be installed close to an edge.
- Optional white or bronze head paint to match common aluminum extrusions.
- 100 count packaging.

Product Specifications

Diameter..... 3/16" & 1/4"
Thread Form..... Original Notched Hi-Lo®
Point Type..... Nail
Material..... 410 Stainless Steel
Finish..... ClimaShield™

Head Styles

1/4" Diameter: 5/16" slotted hex washer head (HWH)



3/16" Diameter: #2 phillips flat head (PFH)

1/4" Diameter: #3 phillips flat head (PFH)



Approvals and Listings (Miami-Dade covers 1/4" Dia. only)

Miami Dade County
Product Control Approved

Selector Guide

Part Number		Description	Drill Bit Part No.	Drill Bit	Fixture Thickness	Common Applications
3/16" Diameter PFH						
3434907		3/16 x 1-1/4"	3095910	5/32 x 3-1/2"	0-1/4"	• Mounting brackets and control panels.
3418907		3/16 x 1-3/4"	3095910	5/32 x 3-1/2"	1/4-3/4"	• 1/2" or 3/4" plywood backer boards; mounting brackets; control panels; cable clamps; conduit clips; junction, switch and control box meters.
3419907		3/16 x 2-1/4"	3096910	5/32 x 4-1/2"	3/4-1-1/4"	• Metal safety gratings, 2 x 4 wood nailers.
3420907		3/16 x 2-3/4"	3096910	5/32 x 4-1/2"	1-1/4"-1-3/4"	• Sills, plates 2 pieces of 2x4 or 2x6 to masonry. Insulation to masonry.
3421907		3/16 x 3-1/4"	3097910	5/32 x 5-1/2"	1-3/4x2-1/4"	
3422907		3/16 x 3-3/4"	3097910	5/32 x 5-1/2"	2-1/4x2-3/4"	• Marine and agricultural.
1/4" Diameter PFH	HWH					
3373907	3367907	1/4 x 1-1/4"	3098910	3/16 x 3-1/2"	0-1/4"	• Mounting brackets and control panels.
3374907	3368907	1/4 x 1-3/4"	3098910	3/16 x 3-1/2"	1/4-3/4"	• 1/2" or 3/4" plywood backer boards; mounting brackets; control panels; cable clamps; conduit clips; junction, switch and control box meters.
3375907	3369907	1/4 x 2-1/4"	3099910	3/16 x 4-1/2"	3/4 - 1-1/4"	• Metal safety gratings, 2 x 4 wood nailers.
3376907	3370907	1/4 x 2-3/4"	3099910	3/16 x 4-1/2"	1-1/4" - 1-3/4"	• Sills, plates 2 pieces of 2x4 or 2x6 to masonry. Insulation to masonry.
3377907	3371907	1/4 x 3-1/4"	3100910	3/16 x 5-1/2"	1-3/4" - 2-1/4"	
3378907	3372907	1/4 x 3-3/4"	3100910	3/16 x 5-1/2"	2-1/4 - 2-3/4"	• Marine and agricultural.
	3459907	1/4 x 4"	3100910	3/16 x 5-1/2"	2-1/2" - 3"	• Maximum attachment applications (i.e., wood/insulation/masonry)
	3460997	1/4 x 5"	3102910	3/16 x 6-1/2"	3-1/4" - 4"	
	3461907	1/4 x 6"	3206910	3/16 x 7-1/2"	4-1/4" - 5"	
3379910	3379910	Condribe 500® For hex and flat heads lengths up to 3-3/4".				
3103910	3103910	Condribe 1000® For hex and flat heads lengths up to 3-3/4".				

Tapcon Anchors must be installed using all Buildex system components (Tapcon Anchors, Condribe Tools, and Tapcon Drill Bits) in order to qualify for ITW Buildex system support.

Performance Data

Pullout (lbs.) in Concrete (3000 PSI, cured 40 days)				
Anchor Diameter	Depth of Embedment in Solid Material (inches)			
	1"	1-1/4"	1-1/2"	1-3/4"
3/16"	964	1080	1360	1595
1/4"	1381	1616	2041	2332

Pullout in Hollow Block		
Anchor Diameter	Depth of Embedment in Solid Materials (Inches)	
	1-1/4"	
3/16"	540	
1/4"	754	

Shear Strength			
Anchor Diameter	Anchor Embedment	Shear Strength 3145 PSI Hard Rock Concrete	Shear Strength Lightweight Hollow Block
3/16"	1-1/4"	1460	1096
1/4"	1-1/4"	1622	1218

Tapcon Anchors must be installed using all Buildex system components (Tapcon Anchors, Condribe Tools and Tapcon Drill Bits) in order to qualify for ITW Buildex system support.

Note: Designated holding power depends on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way by Illinois Tool Works Inc. The figures indicate average ultimate pull-out and shear failure values. A safety factor of 4:1 or 25% of ultimate pull-out value is generally accepted as a safe working load. However, reference should always be made to applicable codes for the specific safe working ratio. All values are based on close tolerance holes drilled with Buildex Tapcon® carbide drill bits. Performance of the Tapcon anchor may vary in extremely hard concrete aggregates. Consult your Buildex representative for further information.

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Installation Guidelines Using Condribe 500®

STEP 1: Place drill adapter into 3/8" or 1/2" chuck of standard hammer drill. Place drill bit in drill adapter and tighten set screw. Drill hole a minimum of 1/4" deeper than Tapcon anchor is to be embedded.

STEP 2: Phillips Heads may be installed using either side of sleeve. To install a 1/4 diameter Hex Washer Head Tapcon, use large opening side of sleeve (see sleeve label). To install a 3/16 diameter Hex Washer Head Tapcon, use small opening side of sleeve (see sleeve label). Slide opposite side of sleeve over drill bit and snap onto drill bit adapter. **NOTE:** If driving Hex Washer Head Tapcon, driver will automatically disengage. If driving Phillips Head Tapcon, care must be taken to ensure anchor is not overdriven.

STEP 3: Loosen set screw on side of drill adapter with 1/8" Hex Key. Do not remove completely. Replace old drill bit with new one. Align flat side with set screw and tighten screw. Do not over-tighten.

Installation Guidelines Using Condribe 1000®

STEP 1: Place correct drill bit into driver adapter and drill hole 1/4" deeper than depth of embedment.

STEP 2: Slide Condribe Installation Tool sleeve over drill bit. Snap hex head or Phillips Socket in place.

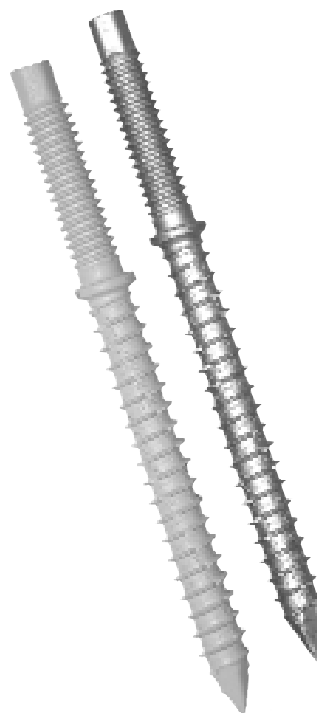
STEP 3: Insert anchor in socket, position fixture to be fastened, begin to drive Tapcon into pre-drilled hole.

STEP 4: The anchor is fully set when the nosepiece of the Condribe Tool automatically disengages from the socket and fixture is secured in place.

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Simple solutions for hurricane protection needs with brand names you know you can trust.



Applications

- Direct mount permanent anchors for quick and easy installations for metal and plywood panels to wood, hollow block, and concrete.

Product Features

- Threaded chamfered safety collar prevents overdriving.
- Both lengths have 1/4-20 x 7/8" external thread above collar.
- Available in UltraShield™ or white UltraShield™ for superior anticorrosion resistance in coastal environments.
- 3/16" Hex Drive.
- Available in 2-1/4" and 3-1/4" lengths.
- No caulking required.

Approvals and Listings

Miami Dade County
Product Control Approved

Product Specifications

Diameter..... 1/4"
Point Type..... Nail
Finish..... UltraShield or White UltraShield

Selector Guide

Part Number	Description*	Coating	Box Qty.
3424000	1/4" dia. x 2-1/4"	UltraShield	1000
3424100	1/4" dia. x 2-1/4"	White UltraShield	1000
3425000	1/4" dia. x 3-1/4"	UltraShield	500
3425100	1/4" dia. x 3-1/4"	White UltraShield	500
3426910	3/16" Nut Driver	-	1
3098910	3/16" x 3-1/2" Masonry Drill Bit	-	1

*Length below safety collar.

Performance Data

Substrate	Embedment Depth	Edge Distance	Test	Value
Concrete 3295 PSI	1"	1.25"	Tension	1230 lbs.
	1"	2.50"	Tension	1701 lbs.
	1.75"	1.25"	Tension	2704 lbs.
	1.75"	2.50"	Tension	2844 lbs.
	1"	1.25"	Shear	1339 lbs.
	1"	2.50"	Shear	2333 lbs.
	1.75"	1.25"	Shear	1375 lbs.
	1.75"	2.50"	Shear	2618 lbs.
Hollow Block 1500 PSI	1.25"	1.25"	Tension	1955 lbs.
	1.25"	2.50"	Tension	1940 lbs.
	1.25"	1.25"	Shear	536 lbs.
	1.25"	2.50"	Shear	1088 lbs.
Grout Filled CMU 2000 PSI	1.75"	1.25"	Tension	3335 lbs.
	1.75"	2.50"	Tension	3779 lbs.
	1.75"	1.25"	Shear	1207 lbs.
	1.75"	2.50"	Shear	2061 lbs.
Wood SYP 053 S.G.	1"	.75"	Tension	2779 lbs.
	1.50"	.75"	Tension	3589 lbs.
	1.50"	2"	Shear	1750 lbs.
	1.50"	.75"	Shear	841 lbs.
	1"	.75"	Shear	609 lbs.



SAMMYS® Hurricane Shutter Fasteners

SAMMYS brings its internal thread system to the hurricane protection market.



Applications

- Low profile permanent anchors for quick and easy secure shutter installations.

Product Features

- 1/4-20 internal thread.
- Wood fasteners available in 2" and 3" lengths in 410 stainless steel, phillips driver available.
- Cap made of 304 stainless steel will never rust.
- Torx® driver for fast and easy concrete installations.
- "Original" Tapcon® 1/4 dia. anchor with blue Climaseal™ for concrete installations up to 6" in length.

Approvals and Listings

Miami Dade County
Product Control Approved

Product Specifications

	Tapcon Anchor	Wood Fasteners
Diameter.....	1/4"	3/16"
Point Type.....	Nail	Gimlet
Finish.....	Blue Climaseal	410 Stainless Steel

Selector Guide

Sammys SSC for Concrete

Part Number	Anchor Length	Box Qty.
8103957	1-1/4"	125
8169957	1-3/4"	125
8164957	2-1/4"	125
8165957	2-3/4"	125
8167957	3-1/4"	125
8166957	3-3/4"	125
8162957	4"	125
8168957	5"	125
8155957	6"	125
8182910	Installation Tool	1

Sammys SSW for Wood

Part Number	Anchor Length	Box Qty.
8104957	2"	125
8105957	3"	125
8170910	Installation Tool	1

Performance Data



Substrate	Embedment Depth	Edge Distance	Test	Value
Concrete 3295 PSI	1"	1.25"	Tension	1533 lbs.
	1"	2.50"	Tension	2024 lbs.
	2.25"	1.25"	Tension	2972 lbs.
	2.25"	2.50"	Tension	3099 lbs.
	1"	1.25"	Shear	1166 lbs.
	1"	2.50"	Shear	1264 lbs.
	2.25"	1.25"	Shear	1342 lbs.
	2.25"	2.50"	Shear	1906 lbs.
Hollow Block 1500 PSI	1.25"	1.25"	Tension	1388 lbs.
	1.25"	2.50"	Tension	1427 lbs.
	1.25"	1.25"	Shear	526 lbs.
	1.25"	2.50"	Shear	1056 lbs.
Grout Filled CMU 2000 PSI	2.50"	1.25"	Tension	3011 lbs.
	2.50"	2.50"	Tension	3332 lbs.
	2.25"	1.25"	Shear	1086 lbs.
	2.25"	2.50"	Shear	1317 lbs.
Wood SYP .53 S.G.	1"	.75"	Tension	1885 lbs.
	1.50"	.75"	Tension	2484 lbs.
	1.50"	2"	Shear	1598 lbs.
	1.50"	.75"	Shear	1018 lbs.
	1"	.75"	Shear	1010 lbs.



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E-Z PRODUCTS

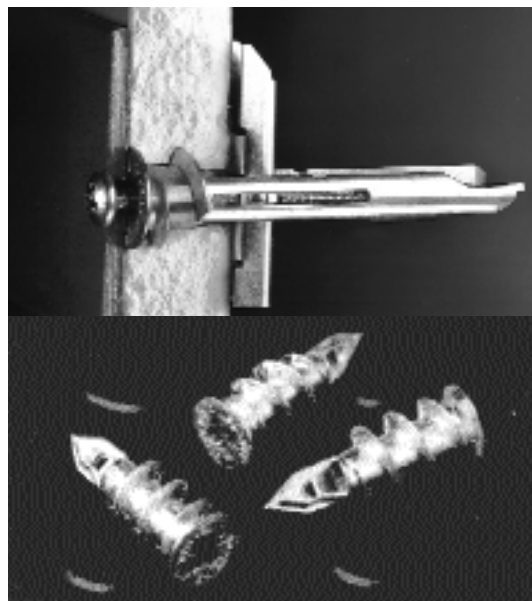
Self-Drilling Drywall Anchors

The Original! Fast and easy self-drilling anchors.

E-Z Zinc™, E-Z Stud Solver™, E-Z Mini™, E-Z Lite™,

E-Z Plastic Plus™, Twist-N-Lock™, and E-Z Toggle™

NEW!!
Twist-N-Lock™
holds up to 75 lbs.
in 1/2" Drywall!



Applications

- | | | |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|  Electrical Fixtures |  Plaques and Awards |  Office Material Holders |
|  Thermostats |  Closet Organizers |  Smoke Detectors |
|  HVAC Fixtures |  Coat Racks |  Clocks |
|  Plumbing Fixtures |  Curtain Rods |  Kitchen Accessories |
|  Bathroom Accessories |  Signs |  Doorbells |
|  Shelving and Supports |  Bulletin Boards |  Telecommunications Equipment |
|  Mirrors |  Control Systems |  Chalk Boards |
|  Picture Frames |  Decorative Wall Hangings |  Remote Control Boxes |
|  Brackets | | |

Product Features

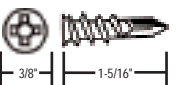
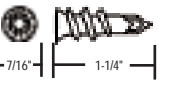
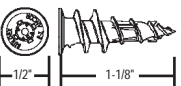
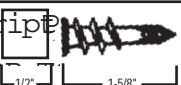
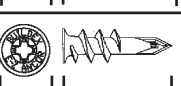
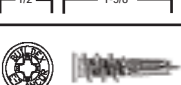

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  No hole preparation necessary; pre-drills own small precise hole in gypsum wallboard. |  Available in corrosion resistant, non-conductive white nylon. |
|  Replaces plastic plugs and toggles. |  Can be easily backed-out. |
|  Deep thread design provides strong engagement in 3/8", 1/2" and 5/8" gypsum wallboard. |  Low profile head. |
|  Installs quickly and easily with a phillips screw-driver or square drive bit. |  Single point designs for clean cutting installation. |
|  Full range of anchors to cover all wall fastening applications. |  Stud Solver - attachments through gypsum and wood! Works in double drywall applications, too!
- #8 diameter 1-1/4" screws included
- Bulk packaging only |

Product Specifications

Product Material Zinc die cast, Carbon, Steel, Nylon

Drilling Capacity 3/8", 1/2" and 5/8" gypsum wallboard

Selector Guide

		Anchor Description	Anchor Material	Part Number	Quantity	Maximum Fixture Thickness	Accommodates Sheet Metal Screw Size
Light Duty	E-Z Lite		White Nylon	5006902 5006900	10 – 100 ct boxes Bulk - 10,000 Anchors	3/4"	#6
	E-Z Mini		Zinc	5033902 5033900	10 – 100 ct boxes Bulk - 3,000 Anchors	3/4"	#6, #7, or #8
Medium Duty			Zinc	5052900	Bulk Only - 1,500 Anchors & Screws	3/4"	Use only #8 with screw provided
	E-Z Zinc		Zinc	5000902 5000900	10 – 100 ct boxes Bulk - 1,500 Anchors	3/4"	#6, #7, or #8
	E-Z Plastic Plus		White Nylon	5035902 5035900	10 – 100 ct boxes Bulk - 4,500 Anchors	3/4"	#6, #7, or #8
	NEW! Twist-N-Lock		White Nylon	5061902 5061900	10 – 100 ct boxes Bulk - 4,500 Anchors	3/4"	Refer to sizes on back inside cover
Heavy Duty	E-Z Toggle		Zinc	5014901 5014900	50 ct – 50 #8 x 2-1/8" Pan SMS Bulk - 500 Anchors & Screws	1/2"	#8
				5017901 5017900	50 ct – 50 #8 x 2-1/8" Large Washer Face SMS Bulk - 500 Anchors & Screws		

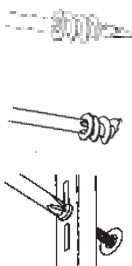
Performance Data

These performance values are averages obtained under laboratory conditions. Note that these values will change depending on age, moisture content and surface treatment of the drywall (gypsum) material. Appropriate safety factors should be applied to these values for design purposes.

DRYWALL THICKNESS	Holding Weight		
	3/8"	1/2"	5/8"
Light Duty Plastic	25 lbs.	30 lbs.	40 lbs.
Light Duty Zinc	30 lbs.	40 lbs.	50 lbs.
Medium Duty	40 lbs.	50 lbs.	75 lbs.
NEW! Twist-N-Lock	65 lbs.	75 lbs.	80 lbs.
Heavy Duty	70 lbs.	85 lbs.	150 lbs.

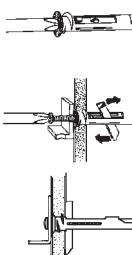
Installation Guidelines

Light Duty & Medium Duty E-Z Ancors



- Place #2 Phillips screwdriver into recess of E-Z Zinc, E-Z Lite, E-Z Mini, E-Z Stud Solver, Twist-N-Lock, or E-Z Plastic Plus.
- Press into drywall while turning the anchor clockwise until it is seated flush with wall.
- Place fixture in position over installed E-Z Zinc, E-Z Lite, E-Z Mini, E-Z Stud Solver, Twist-N-Lock, or Plastic Plus. Insert screw with screw driver. Tighten fixture in place.

Heavy Duty E-Z Toggle



- Using a #2 Phillips screwdriver, drill the E-Z Toggle Anchor into drywall until the head of the anchor is seated flush.
- To "set" the clamp behind the drywall, place the mounting screw into the anchor and push or tap firmly until approximately 1" of screw is protruding (do not rotate). Then remove the screw.
- Place fixture over E-Z Toggle, insert screw and continue to turn until fastened tightly (for example when attaching a 1/2" thick fixture, it will require approx. 23 full rotations of the screwdriver to fully tighten the fixture).



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ROCK-ON™

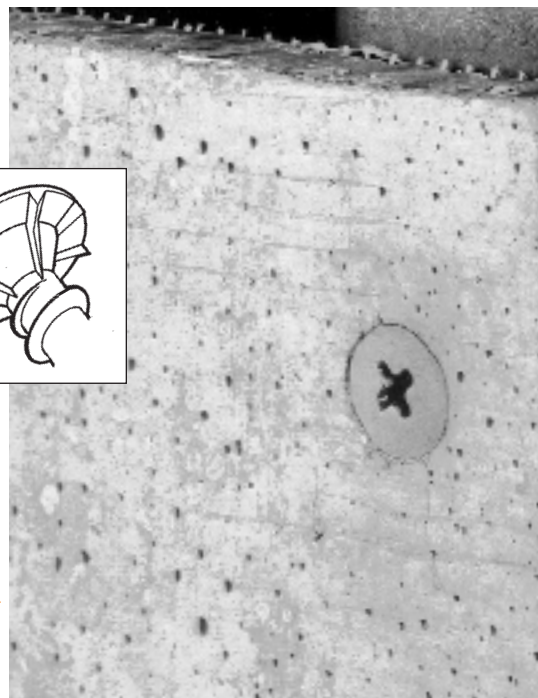
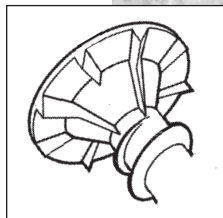
Cement Board Fasteners

High performance rib design is still the best!!!

BACKER-ON™

Fiber Cement Backerboard Fasteners

Recognized for use with HARDIBACKER® fiber cement backerboard.



Applications



Cement-type boards or any dense sheathings to steel or wood studs.



Wire lath to steel or wood studs.







Plywood to steel or wood studs.







Hardie Fiber Cement Backerboard

Product Features

Rock-On

-  Rib design under head countersinks into dense material while preventing stripouts.
-  Two point types for steel and wood applications.
-  Larger head diameter increases board surface contact for greater pullover resistance.
-  Rock-On is recommended for ACQ treated wood.

Backer-On

-  Gimlet points starts easily - no predrilling.
-  Serrated thread design provides reduced installation torque and superior holding power.
-  Rib design under head countersinks into dense material while preventing stripouts.
-  #2 square drive prevents bit from slipping.

Product Specifications

Rock-On

Diameter.....	#8; #9
Thread Form.....	8-18; 9-15 Hi-Lo®
Drill Point.....	#8 Type S-12®; #9 Type "S"
Head Style.....	Wafer Head with countersinking ribs
Finish.....	Climacoat®

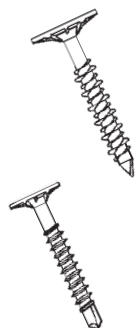
Backer-On

Diameter.....	#10
Thread Form.....	10-10 Serrated
Drill Point.....	Gimlet
Head Style.....	Wafer Head with countersinking ribs
Finish.....	Long life epoxy topcoat/zinc plating.




CEMENT BOARD FASTENERS

Product Report No. 02722

Selector Guide



*Fully Threaded.

Part Number	Length	Material Attachment Range	Applications
Hi-Lo Rock-On			• Cement Board to Wood or Light Gauge Steel 26-20 Gauge
2151500* 	9 x 1-1/4"	Up to 3/4" Material Thickness to Wood; 3/8" - 1" Material Thickness to Steel	
2153500* 	9 x 1-5/8"	Up to 1-1/8" Material Thickness to Wood; 3/8" - 1-3/8" Material Thickness to Steel	
2155500	9 x 2-1/4"	Up to 1-3/4" Material Thickness to Wood; 1" to 1-7/8" Material Thickness to Steel	
S-12 Rock-On			• Cement Board to Steel Studs 20-12 Gauge
2156500*	8 x 1-1/4"	3/8" to 3/4" Material Thickness	
2159500*	8 x 1-5/8"	3/8" to 1-1/4" Material Thickness	
2139500	8 x 2-1/4"	1" to 1-7/8" Material Thickness	
Backer-On			• Backer Board
2406000	10 x 1-1/4"	Up to 3/4" Material Thickness to Wood; 3/8" - 1" Material Thickness to Steel	
 Available in small box packaging.			

Performance Data

Pullout Values in Steel (Gauge)								
	26	24	22	20	18	16	14	12
S-12	120	191	239	285	470	663	910	1424
Hi-Lo	163	242	314	370	-	-	-	-
Backer-On	271	371	457	615	-	-	-	-

Wood (Embedment) #2 SPF 2 X 4				
	1/2"	3/4"	1"	1-1/4"
Hi-Lo	223	312	555	676
Backer-On	-	436	780	-

Sheet Steel Gauges								
Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

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.

Installation Guidelines

A standard screwgun with a depth sensitive nosepiece should be used to install cement board fasteners. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.

Adjust the screwgun nosepiece to properly seat the fastener.

Worn or damaged bit tips should be replaced.

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.



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DEC-KING®


Exterior Wood Screws



Product Features

 Coated with Climacoat® for maximum resistance to corrosion, staining and streaking inside the lumber and on the deck.

 Recommended for ACQ treated wood.


 Pullout strength is superior over nails.


 Eliminates wood splitting, nail pops, hammer marks and bent nails.


 Available in both #2 Phillips & #2 Square Drive.




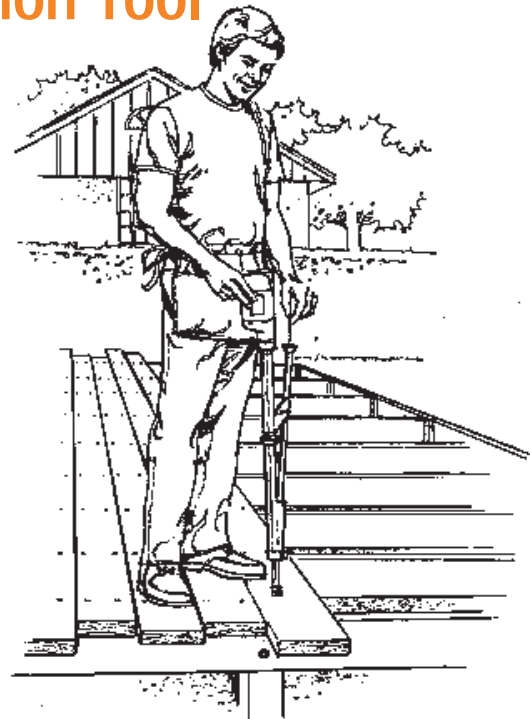
Dec-U-Drive™ Stand-Up Installation Tool

 Seats Dec-King screws flush with the deck without damaging the wood.

 Eliminates angle driving, underdriven or overdriven screws, screw wobble, camouts and marring of the deck surface.

 Increases productivity and improves the quality of work; providing significant labor and installed cost savings.

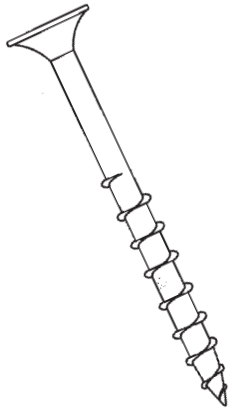
 Stand-up operation reduces operator fatigue and increases productivity.



DEC-KING® EXTERIOR WOOD SCREWS

Selector Guide

Product Report No. 02723



#2 Square Drive

#2 Phillips



Description	Part Number		Applications
	#2 Square Drive	#2 Phillips	
6 x 1-1/4"	-----	2176500	1" x 4" or 1" x 6" Base Trim; Lattice
6 x 1-5/8"	2178500	2136500	1" x 4" or 1" x 6" Base Trim; Ballisters; Lattice
7 x 2"	2179500	2138500	5/4" x 4" or 5/4" x 6" Radius Edged Decking; 1" x 4" or 1" x 6" Base Trim; Ballisters; Lattice
8 x 2-1/2"	2180500	2140500	5/4" x 4" or 5/4" x 6" Radius Edged Decking 2" x 4" or 2" x 6" Decking 2" x 6" or 2" x 8" Rail Cap or Base Trim
8 x 3"	2181500	2141500	2" x 4" or 2" x 6" Decking 2" x 6" or 2" x 8" Rail Cap or Base Trim
10 x 3-1/2"	2182500	2142500	2" x 4" or 2" x 6" Decking 2" x 6" or 2" x 8" Rail Cap or Base Trim
Dec-U-Drive Tool #2 Square Drive Bit		2132910 2388910	

Performance Data

Pullout Values (average pounds ultimate) Embedment 2" x 4" Stud Grade S.Y. Pine				
Description	1/2	3/4"	1	1-1/4"
6 x 1-1/4"	182	329	422	—
6 x 1-5/8"	182	329	422	620
7 x 2"	189	318	440	630
8 x 2-1/2"	186	290	502	630
8 x 3"	186	290	502	645
10 x 3-1/2"	241	386	522	721

Note: The values listed are ultimate averages achieved under laboratory conditions. An appropriate safety factor should be applied in these values to achieve a design value.



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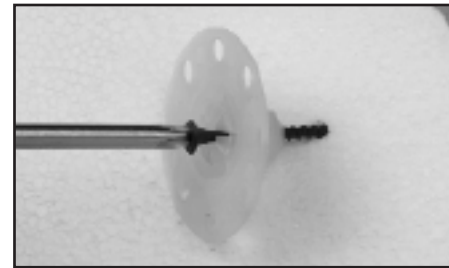
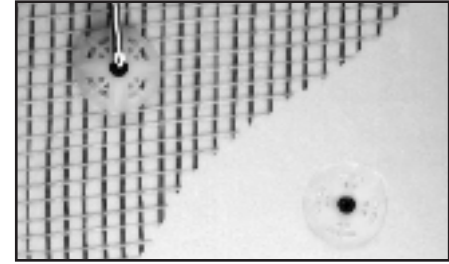
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GRID-MATETM

Mechanical Fasteners

The original mechanical fastening system for Polymer Modified (PM) and Modified PB EIFS.



GRID-MATETM PB

Mechanical Fasteners

The ultimate fastening system for all Polymer Based (PB) Barrier and Water Managed EIFS.

Applications

Grid-Mate All Polymer Modified (PM) Systems.

- Modified Stucco Systems.
- Expanded lath over rigid insulation.
- Fabric and wire mesh over rigid insulation.
- Attaching rigid insulation to wood, steel, masonry, or concrete.

Grid-Mate PB Attaching expanded polystyrene insulation to all substrates for all Polymer Based (PB) Exterior Insulated Finish Systems (EIFS).

- Attaching dense blanket or rigid insulation for parking garages, fireproofing, foundation walls, and soundproofing.

Product Features

Grid-Mate

- Low profile design seats flush.
- "Keying Windows" provides a strong bond with all coatings.
- Climacoat® and Climaseal® fasteners.
- Available with stem for time saving pre-spotting of the plate.

Grid-Mate PB

- Closure fingers keep coating out of contact with fastener head - no sink marks or bleed throughs.
- 2" diameter resists and distributes wind loads for a secure system.
- Climacoat and Climaseal fasteners.

Product Specifications

Grid-Mate

Diameter.....1-3/4" Plate
1-3/4" Plate with stem
Material.....White polypropylene

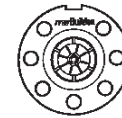


Part No. 2115900

Part No. 2117900

Grid-Mate PB

Diameter.....2" Round
Material.....White polypropylene



Part No. 2189900

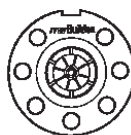
Gridmate Washers

Part Number	Description	Carton Quantity	Carton Weight
2115900	Grid-Mate	1000	4.5 lbs.
2117900	Grid-Mate with Stem	1000	5.0 lbs.






Gridmate PB Washer

Part Number	Description	Carton Quantity	Carton Weight
2189900	Grid-Mate PB Washer	1000	11 lbs.



Fasteners

Wood/Light Metal				Steel Framing				Masonry			
For use with plywood, OSB, dimensional lumber and light gauge metal (26 gauge - 20 gauge).				For use with steel framing from 20 gauge - 12 gauge.				For use with brick, block and concrete.			
											
Part Number	Description	Carton Qty.	Carton Wgt.	Part Number	Description	Carton Qty.	Carton Wgt.	Part Number	Description	Carton Qty	Carton Wgt.
2311500	7 x 1-5/8"	5000	23	2321500	6 x 1-5/8"	5000	25	3171407	3/16 x 1-3/4"	100/500	5
2312500	8 x 2"	3500	28	2318500	6 x 2"	3500	28	3173407	3/16 x 2-1/4"	100/500	6
2313500	8 x 2-1/2"	2500	21	2319500	8 x 2-5/8"	2500	26	3175407	3/16 x 2-3/4"	100/500	8
2314500	8 x 3"	2000	20	2320500	8 x 3"	2000	24	3177407	3/16 x 3-1/4"	100/500	9
2315500	8 x 4"	1000	12	2322500	10 x 4"	1000	21	3181407	3/16 x 4"	100/500	10
2316500	10 x 5"	500	23	2323500	10 x 5"	500	13				
2317500	10 x 6"	1000	27					• 5 Carbide Bits Per 500 Piece Master Carton.			

Performance Data Pullout Values (Average lbs. ultimate)

Steel Applications								
Sheet Steel Gauges								
Fastener	26	24	22	20	18	16	14	12
Wood/Light Metal (Hi-Lo)	129	178	244	277	-	-	-	-
Steel (S-12")	-	-	-	296	471	679	847	1225

Wood Applications							
Fastener	Plywood		OSB	Lumber (Embedment)			
Wood/Light Metal (Hi-Lo)	1/2"	5/8"	3/4"	1/2"	1/2"	3/4"	1" 1-1/4"
	298	432	633	208	183	304	441 652

Concrete/Masonry Applications								
Tapcon Diameter	3000 PSI Concrete Embedment				Hollow Block Embedment			
	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1-3/4"
3/16"	341	581	863	1059	209	357	468	547

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. Wind-load test results also available upon request.

Tools and Techniques

- Use a 0-2500 RPM, 6 amp min. rated screwgun or cordless drill to install fasteners to wood and steel substrates. Use a hammerdrill or rotary hammer to install Tapcon® masonry anchors.
- Seat Grid-Mate PB washers flush with or maximum 1/16" below insulation surface. Overdriving may damage the washer and insulation.
- Fasteners must penetrate steel substrates a minimum of 3 pitches of threads.
- Replace worn or damaged bit tips to prevent damage to fastener head and its finish.
- Consult EIFS system manufacturers specifications for appropriate fastener spacing.



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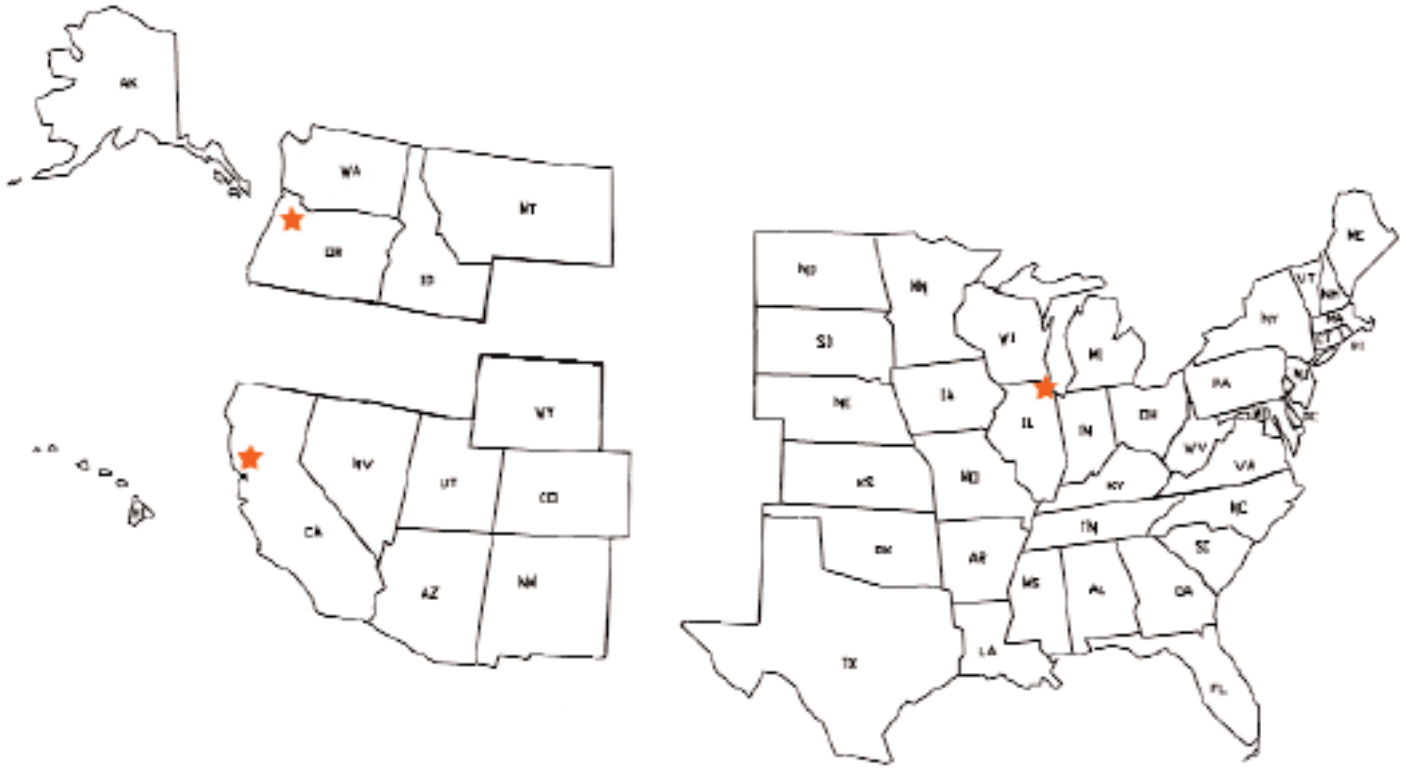
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