
ITW Buildex

Notes

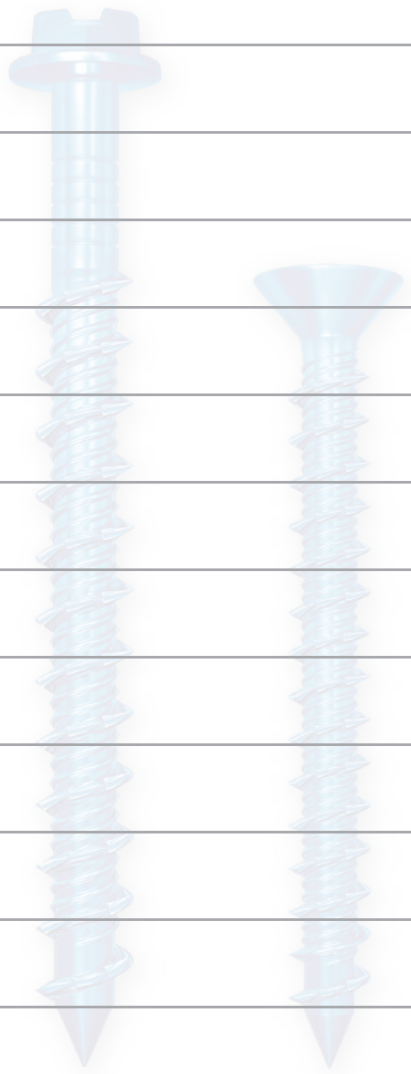


TABLE OF CONTENTS

TEKS Fastener Features....B 4

TEKS Self Drilling Fasteners....B 5

- Light Duty Steel-To-Steel Applications....B 6
- Medium Duty Steel-To-Steel Applications....B 8
- Heavy Duty Steel-To-Steel Applications....B 11
- Low Profile Architectural Metal Roof Clip Fasteners....B 14
- Wood-to-Metal Fasteners....B 16
- TEKS with Bonded Washer....B 19

Dekstrip Expandable Edged Flashing....B 22

Dektite Combo....B 25

Dektite and Retrofit Dektite....B 27

TAPCON Concrete and Masonry Anchors....B 30

TAPCON Ceiling Anchor....B 34

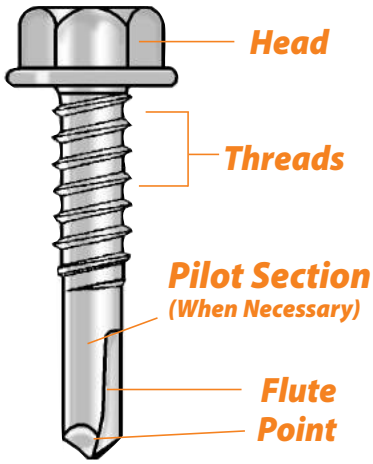
E-Z Drywall Anchors....B 36

Rock-On and Backer-On Fasteners....B 38

Gridmate BR Plastic Insulation Fasteners....B 40

TEKS® Fastening Features

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 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

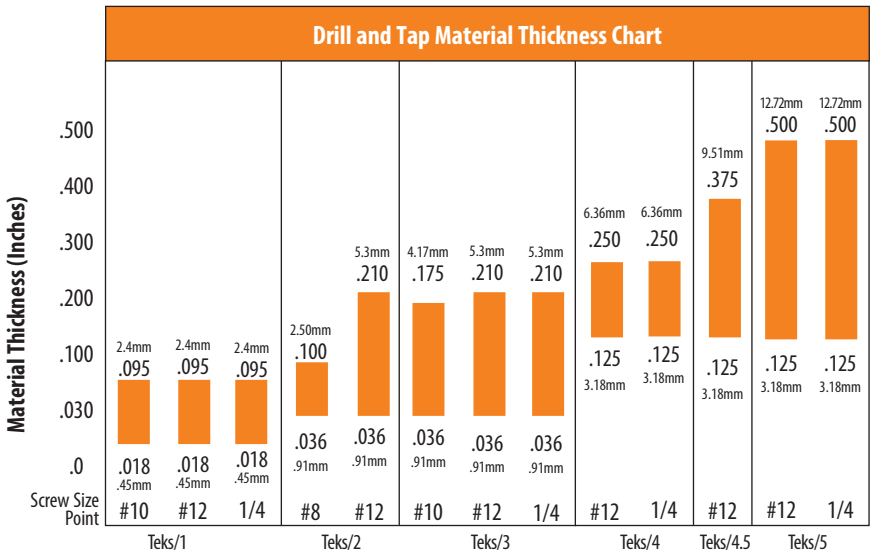
Nominal Screw Sizes

Thread Diameter	Decimal Equivalent
#6	.140
#7	.150
#8	.160
#9	.180
#10	.190
#11	.200
#12	.210
#13	.230
#14	.240
1/4	.250
#17	.286

Steel Gauge Chart

Common Sheet Steel Gauges	Decimal Eq.	
	Inches	MM
30	.012	.30
28	.015	.38
26	.018	.45
24	.024	.61
22	.030	.76
20	.036	.91
18	.048	1.21
16	.060	1.52
14	.075	1.90
12	.105	2.65
1/8	.125	3.18
10	.134	3.42
3/16	.187	4.77
1/4	.250	6.36
1/2	.500	12.72

Drill and Tap Material Thickness Chart

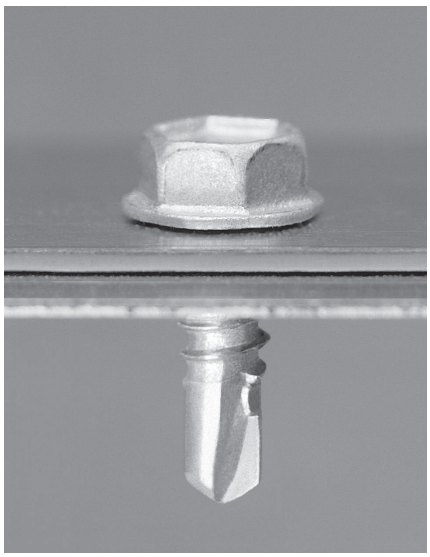


*Drill & tap capacities may vary with special feature designs.
Refer to product reports for specifics.

ITW Buildex

TEKS® Self-Drilling Fasteners

Preferred Most by Electrical, Decking, HVAC and Metal Building Contractors



DESCRIPTION/ADVANTAGES

Light Duty Steel-To-Steel Applications—

TEKS Self-Drilling Fasteners

- 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

SPECIFICATIONS

Diameter / Thread Form
6-20
8-18
10-16
10-24

Head Styles

Hex Washer Head (HWH)

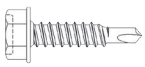
Socket Pan Head (SP)

Phillips Pan Head (PP)

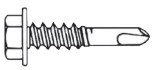
Modified Truss Head (MTH)

Drill Point

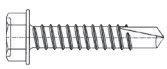
Teks 1



Teks 2



Teks 3



Finish	Type	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
	Electro-zinc (EZ)	3 cycles - 5% or less red rust	48 hours - 5% or less red rust
	Climaseal® Coating (CL)	30 cycles - 10% or less red rust	720 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

1. A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 4 amps and have a RPM range of 0-2000.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

TEKS Light Duty Steel-To-Steel Applications

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.

APPROVALS/LISTINGS

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

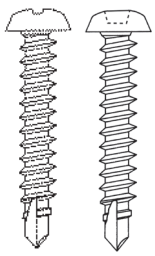
ICBO 3056

ICC - ESR 1976

SELECTION CHART

TEKS® Fasteners

Finish: Electro-Zinc Plating.

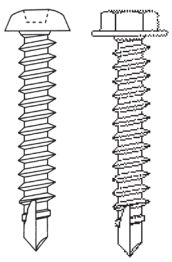


PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	"P/A" PAK QTY	"X" PAK QTY	APPLICATIONS
2240[X]	2240[X]	8-18 x 1/2"	#2 SP	#2	.036-.100	.205	10,000	100	1,000	- HVAC, electrical trim accessories to steel framing - Residential steel frame construction - Track to stud - Hat channel to stud - Stud splicing
2250	2250	8-18 x 1/2"	MTH	#2	.036-.100	.205	10,000			
2280[X]	2280[X]	8-18 x 5/8"	#2 SP	#2	.036-.100	.330	10,000	100	1,000	
2330[X]	2330[X]	8-18 x 3/4"	#2 SP	#2	.036-.100	.455	10,000		1,000	
2360[X]	2360[XA]	8-18 x 1"	#2 SP	#2	.036-.100	.705	8,000		500	
2220[X]	2220[PX]	8-18 x 1/2"	1/4" HWH	#2	.036-.100	.205	10,000	100	1,000	
2310[X]	2310[XA]	8-18 x 3/4"	1/4" HWH	#2	.036-.100	.455	10,000		1,000	
2365[X]	2365[AX]	8-18 x 1"	1/4" HWH	#2	.036-.100	.705	8,000		500	

[P] Available in P/A PAK [X] Available in X PAK

TEKS® Fasteners

Finish: Electro-Zinc Plating.

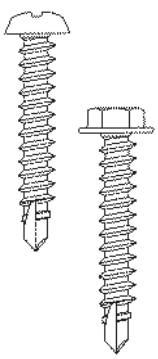


PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	"P/A" PAK QTY	"X" PAK QTY	APPLICATIONS
2420[X]	2420[X]	10-16 x 1/2"	#2 SP	#3	.036-.175	.150	8,000	100	1,000	- Clips, duct straps, brick ties or accessories to steel framing
2480[PX]	2480[PX]	10-16 x 3/4"	#2 SP	#3	.036-.175	.325	6,000	100	500	
2490[AX]	2490[X]	10-16 x 1"	#2 SP	#3	.036-.175	.575	5,000	100	500	
2495[X]	2495[X]	10-16 x 1-1/4"	#2 SP	#3	.036-.175	.825	4,000	100	250	
2400[X]	2400[X]	10-16 x 1/2"	5/16" HWH	#3	.036-.175	.150	6,000	100	1,000	
2460[PX]	2460[PX]	10-16 x 3/4"	5/16" HWH	#3	.036-.175	.325	6,000	100	500	
2510[AX]	2510[AX]	10-16 x 1"	5/16" HWH	#3	.036-.175	.575	5,000	100	500	

[P] Available in P/A PAK [X] Available in X PAK

TEKS® Fasteners

Finish: Climaseal Coating.



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	APPLICATIONS
1790	1399000	1/4-14 x 7/8"	5/16" HWH	#1	.018-0.95	.380	5,000	- Stitching roof deck, wall panel sidelaps or duct work
1100	1128000	10-16 x 3/4"	5/16" HWH	#3	.036-.175	.325	5,000	- Clips, duct straps, brick ties or accessories to steel framing
1129000	1129000	10-16 x 1"	5/16" HWH	#3	.036-.175	.575	5,000	
1131000	1131000	10-16 x 1-1/2"	5/16" HWH	#3	.036-.175	.1075	3,000	
2220CL	2220CL	8-18 X 1/2"	1/4" HWH	#2	.036-.100	.205	10,000	

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lbs.)							
DIA.	PT	26	24	22	20	18	16	14	12
#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
1/4	1	208	329	428	562	800	1151	-----	-----

Shear Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lapped)						
DIA.	PT	26	24	22	20	18	16	14
#8	2	294	496	560	740	1060	-----	-----
#10	1	398	584	659	884	1374	-----	-----
	3	-----	455	526	728	1266	1540	1552
1/4	1	511	849	885	1244	1764	-----	-----

Fastener Values

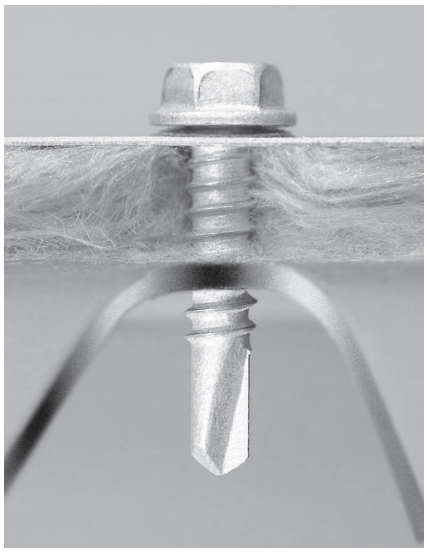
FASTENER (Dia-tpi)	TENSILE (Lbs. Min)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
8-18	1545	1000	42
10-16	1936	1400	61
10-24	2702	1500	65
12-14	2778	2000	92

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.

ITW Buildex

TEKS® Self-Drilling Fasteners

The Best Point Ever for Speed and Consistency



DESCRIPTION/ADVANTAGES

Medium Duty Steel-To-Steel Applications—

- 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.

SPECIFICATIONS

Diameter / Thread Form 12-14 1/4-14

Head Styles

Hex Washer Head (HWH)

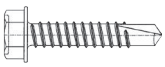
Hex Washer Head with Serrations (HWHS)

Drill Point

Teks 1

Teks 2

Teks 3



Finish

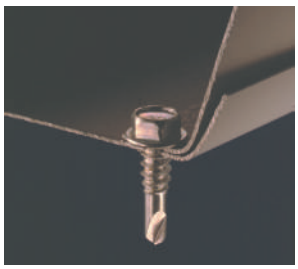
Type	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
Electro-zinc (EZ)	3 cycles - 5% or less red rust	48 hours - 5% or less red rust
Climaseal® Coating (CL)	30 cycles - 10% or less red rust	720 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

1. A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have a RPM range of 0-2500.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

TEKS 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.

APPROVALS/LISTINGS

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

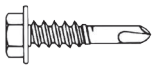
ICBO 3056

ICC - ESR 1976

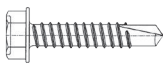
DRILL POINTS

Teks 1

Teks 2



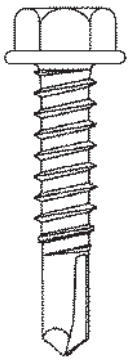
Teks 3



SELECTION CHART

TEKS® Fasteners

Finish: Climaseal Coating.

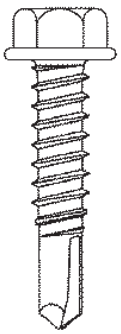


PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	"P" PAK QTY	APPLICATIONS
1420	1134000	12-14 x 3/4"	5/16" HWH	#3	.036-.210	.270	5,000		- Duct work to steel framing - Accessories to steel framing - Clip to steel framing
1136000	1136000 P	12-14 x 1"	5/16" HWH	#3	.036-.210	.520	4,000	100	
1120000	1120000	12-14 x 1-1/4"	5/16" HWH	#2	.036-.210	.550	4,000		
1590	1123000	12-14 x 1-1/2"	5/16" HWH	#2	.036-.210	.800	2,500		
1620	1140000	12-14 x 2"	5/16" HWH	#3	.036-.210	1.450	2,000		
1790	1399000	1/4-14 x 7/8"	5/16" HWH	#1	.018-.095	.380	5,000		- Stitching roof deck, wall panel sidelaps or duck work
1820	1147000	1/4-14 x 3/4"	3/8" HWH	#3	.036-.210	.270	3,000		- Duct work to steel framing - Accessories to steel framing - Clip to steel framing
1850	1149000	1/4-14 x 1"	3/8" HWH	#3	.036-.210	.520	2,500		
1150000	1150000	1/4-14 x 1-1/4"	3/8" HWH	#3	.036-.210	.550	2,000		
1890	1152000	1/4-14 x 1-1/2"	3/8" HWH	#3	.036-.210	.800	2,000		
1920	1155000 P	1/4-14 x 2"	3/8" HWH	#3	.036-.210	1.450	1,500	100	
1554000	1554000	1/4-14 x 2-1/2"	3/8" HWH	#3	.036-.210	1.950	1,000		
1950	1157000	1/4-14 x 3"	3/8" HWH	#3	.036-.210	2.450	1,000		
1304000	1304000	1/4-14 x 4"	3/8" HWH	#3	.036-.210	3.450	500		

P Available in P PAK

TEKS® Fasteners

Finish: Electro-zinc Plating.



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	"A/X" PAX QTY	APPLICATIONS
113401 A	113401 AX	12-14 x 3/4"	5/16" HWH	#3	.036-.210	.270	5,000	100	- Duct work to steel framing - Accessories to steel framing - Clip to steel framing
113601 A	113601 A	12-14 x 1"	5/16" HWH	#3	.036-.210	.520	4,000	100	
112001 A	112001 A	12-14 x 1-1/4"	5/16" HWH	#3	.036-.210	.550	4,000	100	
112301 A	112301 A	12-14 x 1-1/2"	5/16" HWH	#3	.036-.210	.800	2,500	100	
1129057	1129057	10-16 x 1"	5/16" HWH	#3	.036-.210	.575	4,000		
114001 A	114001 A	12-14 x 2"	5/16" HWH	#3	.036-.210	1.450	2,000	100	
114701 A	114701 A	1/4-14 x 3/4"	3/8" HWH	#3	.036-.210	.210	3,000	100	
114901 A	114901 A	1/4-14 x 1"	3/8" HWH	#3	.036-.210	.400	2,500	100	
115001 A	115001 A	1/4-14 x 1-1/4"	3/8" HWH	#3	.036-.210	.650	2,000	100	
115201 A	115201 A	1/4-14 x 1-1/2"	3/8" HWH	#3	.036-.210	.900	2,000	100	
115501 X	115501 X	1/4-14 x 2"	3/8" HWH	#3	.036-.210	1.400	1,500	100	
115701	115701	1/4-14 x 3"	3/8" HWH	#3	.036-.210	2.400	1,000		

A Available in A PAK X Available in X PAK

TEKS Medium Duty Steel-To-Steel Applications

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lbs.)								
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

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

Fastener Values

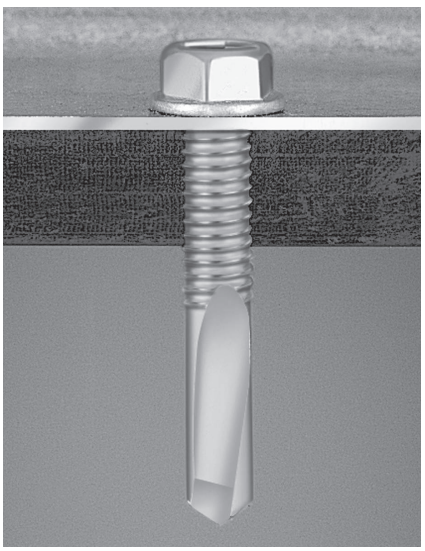
FASTENER (Dia-tpi)	TENSILE (Lbs. Min)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
12-14	2778	2000	92
1/4-14	4060	2600	150

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.

ITW Buildex

TEKS® Self-Drilling Fasteners

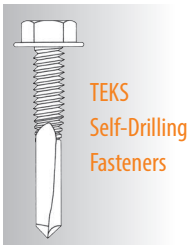
First in Performance!! Over 30 Years of Consistent Drilling



DESCRIPTION/ADVANTAGES

Heavy Duty Steel-To-Steel Applications—

THE ORIGINAL SELF-DRILLERS FOR HEAVY DUTY APPLICATIONS



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

SPECIFICATIONS

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

Head Styles

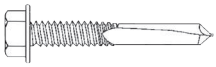
Hex Washer Head (HWH)

Drill Point

Teks 4

Teks 4.5

Teks 5



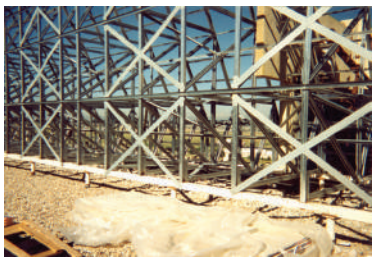
Finish	Type	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
	Climaseal® Coating (CL)	30 cycles - 10% or less red rust	720 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

1. A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have a RPM range of 0-2500. (Maximum 1800 RPM is recommended for Teks 5 fasteners)
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

TEKS Heavy Duty Steel-To-Steel Applications

APPLICATIONS



Metal deck to structural steel or bar joist.

Clips to structural steel or bar joist.

Liner panels to structural steel or bar joist.

Accessories to structural steel or bar joist.

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

APPROVALS/LISTINGS

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

ICBO 3056

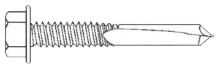
ICC - ESR 1976

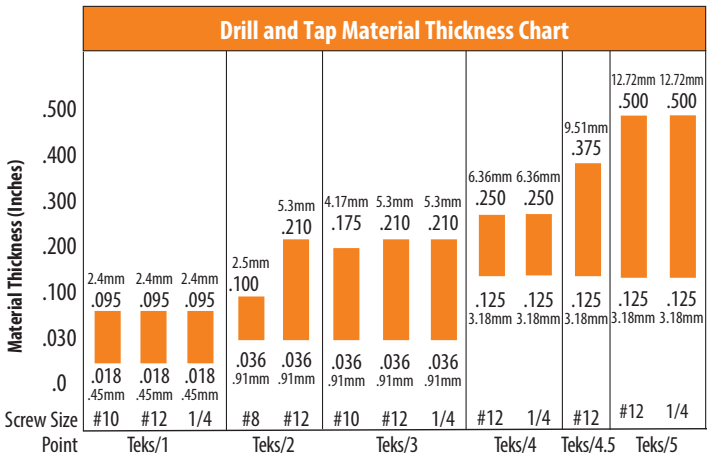
DRILL POINTS

Teks 4

Teks 4.5

Teks 5



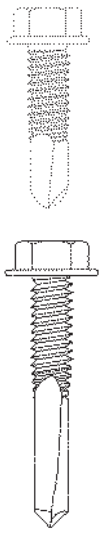


*Drill & tap capacities may vary with special feature designs. Refer to product reports for specifics.

SELECTION CHART

TEKS® Fasteners

Finish: Climaseal Coating.



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	"P/X" PAK QTY	APPLICATIONS
1070057	1070057	12-24 x 1-1/2"	5/16" HWH	#5	.125-.500	.625	2,000		- Metal deck, clips, linear panels or accessories to structural steel or bar joist
1650[P]	1088000[P]	12-24 x 7/8"	5/16" HWH	#4	.125-.250	.325	5,000	100	
1670[P]	1006000[P]	12-24 x 1-1/4"	5/16" HWH	#5	.125-.500	.375	4,000	100	
1680[X]	1070000[X]	12-24 x 1-1/2"	5/16" HWH	#5	.125-.500	.625	2,500	100	
1690[P]	1072000[P]	12-24 x 2"	5/16" HWH	#5	.125-.500	1.125	2,000	100	
1006057	1006057	12-24 x 1-1/4"	5/16" HWH	#5	.125-.500	.375	2,000		
1074000	1074000	1/4-28 x 3"	5/16" HWH	#5	.125-.500	2.150	1,000		- Retrofit clip and sheet applications
1075000	1075000	1/4-28 x 4"	5/16" HWH	#5	.125-.500	3.150	500		
1641000	1641000	1/4-28 x 5"	3/8" HWH	#5	.125-.500	4.150	250		
1431000	1431000	1/4-28 x 6"	3/8" HWH	#5	.125-.500	5.150	250		
1590000	1590000	1/4-28 x 8"	3/8" HWH	#5	.125-.500	7.150	150		

[P] Available in P PAK [B] Available in X PAK

SELECTION CHART

SCOTS® Long Life Fasteners

Head: Stainless Steel. **Finish: Climaseal Coating.**

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	WASHER DIAMETER	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	APPLICATIONS
1163100	1163000	12-24 x 2"	5/16" HWH	9/16"	#5	.125-.500	1.000	1,500	- Panel over blanket insulation to steel frame - Roof curb to structural steel

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values
(Average Lbs. Ultimate)

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

Shear Values
(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

Fastener Values

FASTENER (Dia-tpi)	PT	TENSILE (Lbs. Min.)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
12-24	4	3020	2100	100
12-24	4.5	3165	2200	150
12-24	5	3020	2100	150
1/4-28	5	5577	3310	234

NOTE: 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.

ITW Buildex

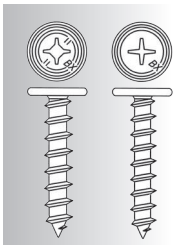
TEKS® Self-Drilling Fasteners

Low Profile Architectural Metal Roof Clip Fasteners

DESCRIPTION/ADVANTAGES

Low Profile Architectural Metal Roof Clip Fastener—

INCORPORATES THE ITW EXCLUSIVE PHILLIPS SQUARE-DRIV® ANTI-CAM-OUT SYSTEM



- #12 diameter utilizes the ITW exclusive Phillips Square-Driv ®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.
- Low profile pancake head style ensures proper installation of metal roof panels.

SPECIFICATIONS

Diameter / Thread Form 12-14

Head Styles

Phillips Pan Pancake Head (PPH)

Phillips Square-Driv Pancake (PSP)

Drill Point

Teks 3

Type A

Finish	Type	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
	Climacoat	20 cycles - 10% or less red rust	500 hours - 10% or less red rust
	Grey Specx	15 cycles - 5% or less red rust	300 hours - 10% or less red rust

APPLICATIONS

Low profile architectural metal roof clips to steel purlin.

Low profile architectural metal roof clips to wood supports.

INSTALLATION INSTRUCTIONS

1. A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have a RPM range of 0-2500.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. The fastener is fully seated when the head is flush with the work surface.
4. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
5. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.
6. New magnetic sockets must be correctly set before use. Remove chip build-up as needed.

TEKS Low Profile Architectural Metal Roof Clip Fastener

SELECTION CHART

TEKS® Fasteners

Finish: Gray Spex Coating.

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	APPLICATIONS
1575553	1575553	12-14 x 1"	#2 PSD	#3	.036-210	.550	4,000	- Low profile architectural metal roof clip to steel purlin

TEKS® Fasteners

Finish: Climacoat Coating.

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	APPLICATIONS
1597553	1597553	12-11 x 1"	#2 PSD	A	.012-.048	.250	4,000	- Low profile architectural metal roof clip to wood supports

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lbs.)							
DIA.	PT	26	24	22	20	18	16	14	12
#12	3	139	194	250	369	450	598	915	1500

Pullout Values
(Average Lbs. Ultimate)

FASTENER		WOOD TYPE AND THICKNESS				
DIA.	PT	1/2" PLYWOOD	5/8" PLYWOOD	3/4" PLYWOOD	YELLOW PINE	3/4" OSB
#12	TYPE A	377	395	427	675	326

Shear Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lapped)			
DIA.	PT	20 GAUGE	18 GAUGE	16 GAUGE	14 GAUGE
#12	3	923	1279	1657	1933

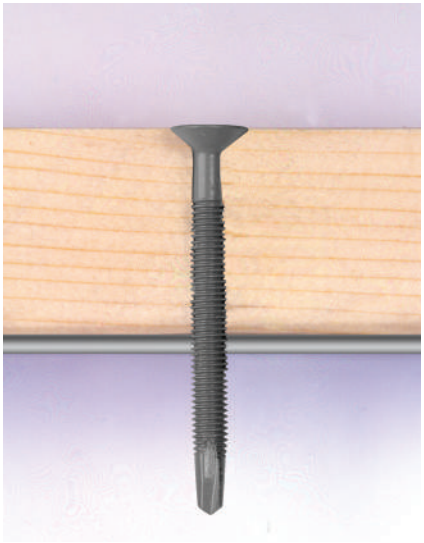
Fastener Values

FASTENER (Dia-tpi)	PT	TENSILE (Lbs. Min.)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
12-14	3	2652	2000	92
12-11	TYPE A	3634	1994	132

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.

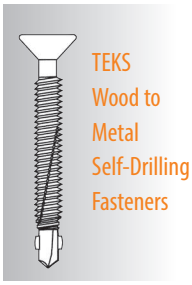
TEKS®
Wood to Metal Fasteners

No Pre-Drilling, Fast, Efficient Attachment of Wood-To-Metal



DESCRIPTION/ADVANTAGES

Wood-To-Metal Applications—



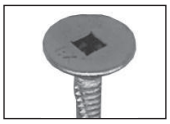
TEKS Wood to Metal Self-Drilling Fasteners

- 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.

SPECIFICATIONS

Diameter / Thread Form
10-16
10-24
12-14
1/4-14

Head Styles



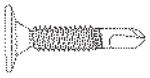
Socket Wafer Head (SW)

Philips Flat Head (PFH)

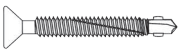
Philips Square-Div (PSD)

Drill Point

Teks 3



Teks 4



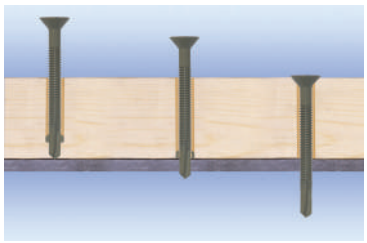
Finish

Type	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
Electro-zinc (EZ)	3 cycles - 5% or less red rust	48 hours - 5% or less red rust
Grey Specx	15 cycles - 5% or less red rust	300 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

1. A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. Worn or damaged bit tip should be replaced.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.
7. All #10 diameter "Winged" parts must be driven into a minimum of 16 GA steel thickness.
8. 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.

APPLICATIONS



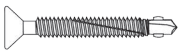
Plywood roof and floor sheet to steel frames.

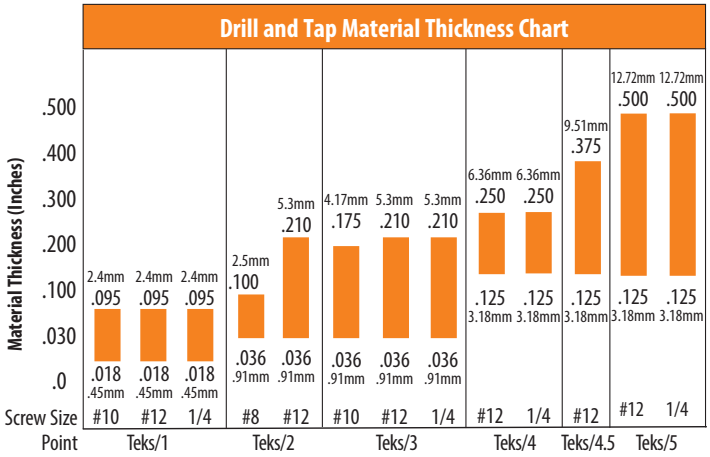
2 x 4 headers to steel frames.

Plywood fascia to steel frames.

DRILL POINTS

Teks 3 

Teks 4 

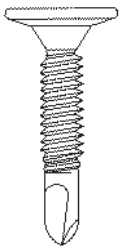


*Drill & tap capacities may vary with special feature designs. Refer to product reports for specifics.

SELECTION CHART

TEKS® Fasteners

Finish: Electro-zinc Plating. Without Wings.



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	WOOD ATTACHMENT RANGE	BOX QTY	"X" PAK QTY	"A" PAK QTY	APPLICATIONS
21320[X]	21320[XA]	10-24 x 1"	#2 SW	#3	.036-.175	1/4"-1/2"	5,000	500	100	- Plywood, mansard, fascia, roofing, flooring to steel framing
21350[X]	21350[X]	10-24 x 1-1/4"	#2 SW	#3	.036-.175	1/4"-3/4"	3,000	200		
2650	2650	11-16 x 3/4"	#2 SW	#3	.036-.175	1/4"-7/16"	7,000			
2670	2670	11-16 x 1-14"	#2 SW	#3	.036-.175	1/4"-15/16"	4,000			

[X] Available in X PAK [A] Available in A PAK

TEKS® Fasteners

Finish: Electro-zinc Plating. With Wings.

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	WOOD ATTACHMENT RANGE	BOX QTY	"P" PAK QTY	"X" PAK QTY	APPLICATIONS
21380[X]	21380[PB]	10-24 x 1-1/2"	#2 SW	#3	.036-.175	1/4"-1"	3,000	100	250	- Plywood, 2 x 4's to steel framing
21730[P]	21730[P]	12-24 x 2"	#3 SW	#4	.125-.250	1/4" - 1"	2,000	100	200	
21750	21750[P]	12-24 x 2-1/2"	#3 SW	#4	.125-.250	1/4"-1-1/2"	1,500	100		
21751[P]	21751[P]	12-24 x 3"	#3 SW	#4	.125-.250	1/4"-2"	1,000	100		
21760	21760	12-24 x 4"	#3 SW	#4	.125-.250	1/4"-3"	500			

[P] Available in P PAK [X] Available in X PAK

TEKS Wood-To-Metal Applications

SELECTION CHART

TEKS® Fasteners

Finish: Gray Spex Coating. With Wings.

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	DRILL POINT	DRILL & TAP CAPACITY	WOOD ATTACHMENT RANGE	BOX QTY	APPLICATIONS
1980	1096000	1/4-20 x 3"	#3 PFH	#4	.125-.250	3/4"-2"	1,000	- Plywood, 2 x 4's to steel framing
1092057	1092057	12-24 x 2-1/4"	#3 PFH	#4	.125-.250	3/4"- 1-3/8"	2,000	
1094056	1094056	12-24 x 2-3/4"	#3 PFH	#4	.125-.250	3/4"-2-5/8"	1,600	

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE Lbs.)									
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	-----	-----

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

Fastener Values

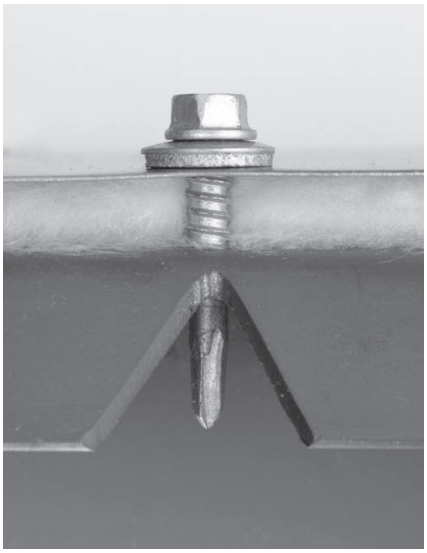
FASTENER (Dia-tpi)	TENSILE (Lbs. Min)	SHEAR (Avg. Lbs. Ultimate)	TORQUE (Min. in Lbs.)
10-16	1936	1400	61
10-24	2702	1500	65
12-24	3165	2200	150
1/4-20	3860	2700	168

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.

ITW Buildex

TEKS® with Bonded Washer

For Weather-Tight Sealing of Roof and Wall Applications



DESCRIPTION/ADVANTAGES

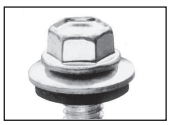
Metal Roof and Wall Applications—

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

SPECIFICATIONS

Diameter / Thread Form
10-16
12-14
12-24
1/4-14
1/4-28

Head Styles



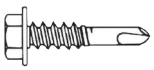
Hex Washer Head with Bonded Washer(HWH)

Washer Style Galvanized (G-90)

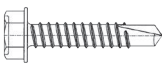
Drill Point

Teks 1

Teks 2

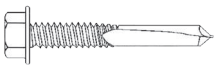


Teks 3



Teks 4

Teks 5



Finish	Type	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
	Climaseal® Coating (CL)	30 cycles - 10% or less red rust	720 hours - 10% or less red rust

INSTALLATION INSTRUCTIONS

1. A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screw gun should be a minimum of 6 amps and have an RPM range of 0-2500.
2. New magnetic sockets must be correctly set before use Remove chip build-up as needed.
3. Adjust the screwgun nosepiece to properly seat the fastener.
4. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
5. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

TEKS Metal Roof and Wall Applications

APPLICATIONS

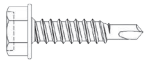
Roof panels to purlin or bar joist.

Wall panels to girt.

Mansard panel to structural.

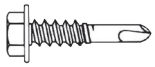
DRILL POINTS

Teks 1

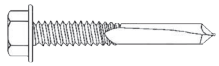


Teks 4

Teks 2

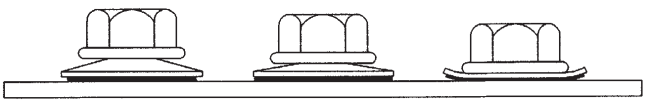


Teks 5



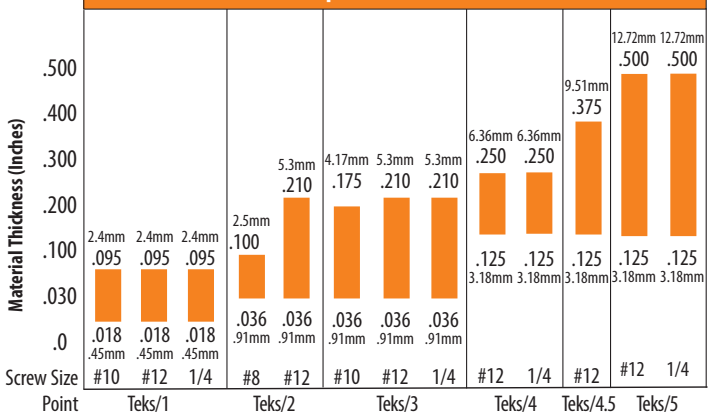
Teks 3

PROPERLY SEATED WASHERS



Underdriven | Correctly Driven | Overdriven

Drill and Tap Material Thickness Chart

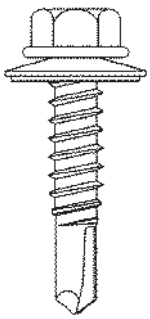


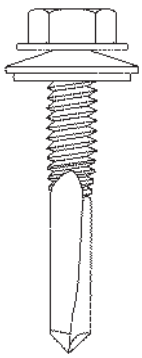
*Drill & tap capacities may vary with special feature designs. Refer to product reports for specifics.

SELECTION CHART

TEKS® w/Bonded Washer

Finish: Climaseal Coating.





PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	WASHER DIAMETER	DRILL POINT	DRILL & TAP CAPACITY	MAX. MATERIAL ATTACHMENTS	BOX QTY	APPLICATIONS
1005000	1005000	10-16 x 3/4"	5/16" HWH	9/16"	#3	.036-.175	.205	3,000	- Brick tie to steel framing - Mansard panel to steel framing - Roof panel to purlin - Stitch roof
1420W	1009000	12-14 x 3/4"	5/16" HWH	9/16"	#3	.036-.210	.150	3,000	
1490W	1011000	12-14 x 1"	5/16" HWH	9/16"	#3	.036-.210	.400	3,000	
1590W	1404000	12-14 x 1-1/2"	5/16" HWH	9/16"	#2	.036-.210	.680	2,000	
1620W	1016000	12-14 x 2"	5/16" HWH	9/16"	#3	.036-.210	1.330	1,500	
1790W	1416000	1/4-14 x 7/8"	5/16" HWH	9/16"	#1	.018-.095	.260	3,000	
1850W	1160000	1/4-14 x 1"	3/8" HWH	9/16"	#3	.036-.210	.280	2,500	
1890W	1020000	1/4-14 x 1-1/2"	3/8" HWH	9/16"	#3	.036-.210	.780	1,500	
1920W	1021000	1/4-14 x 2"	3/8" HWH	9/16"	#3	.036-.210	1.280	1,000	
1950W	1022000	1/4-14 x 3"	3/8" HWH	9/16"	#3	.036-.210	2.280	750	
1650W	1010000	12-24 x 7/8"	5/16" HWH	9/16"	#4	.125-.250	.205	3,000	
1670W	1000000	12-24 x 1-1/4"	5/16" HWH	9/16"	#5	.125-.500	.255	2,500	
1680W	1001000	12-24 x 1-1/2"	5/16" HWH	9/16"	#5	.125-.500	.505	2,000	
1690W	1002000	12-24 x 2"	5/16" HWH	9/16"	#5	.125-.500	1.005	1,500	
1003000	1003000	1/4-28 x 3"	5/16" HWH	9/16"	#5	.125-.500	2.030	1,000	
1004000	1004000	1/4-28 x 4"	5/16" HWH	9/16"	#5	.125-.500	3.030	500	
1647000	1647000	1/4-28 x 5"	3/8" HWH	3/4"	#5	.125-.500	4.030	250	
1432000	1432000	1/4-28 x 6"	3/8" HWH	3/4"	#5	.125-.500	5.030	250	
1619000	1619000	1/4-28 x 8"	3/8" HWH	3/4"	#5	.125-.500	7.030	150	

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values
(Average Lbs. Ultimate)

FASTENER		STEEL GAUGE (Lbs.)									
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

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

Fastener Values

FASTENER (Dia-tpi)	TENSILE (Lbs. Min.)	SHEAR (Avg. Lbs. Ultimate)	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

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.

DEKSTRIP™ Expandable Edged Flashing

Stretches to Any Shape, Seals and Stays

DESCRIPTION/SUGGESTED SPECIFICATIONS

Pipe Flashing Applications—

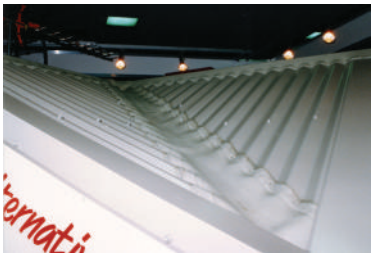
DEKSTRIP™ is a flexible neoprene product that is completely chemical resistant. It has an aluminum bar embedded in it to form & follow the various corrugations of your roof.

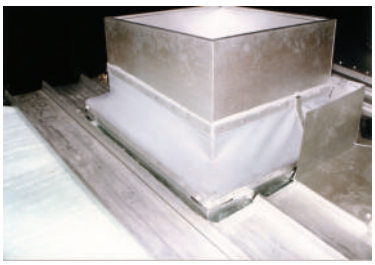
ADVANTAGES

- Wraps around almost any profile
- Paintable after installation
- TPE has a continuous service temperature range of -50˚C to +115˚C
- 20 year warranty
- Serpentine edges stretch up to 25% for added length
- Great for large round pipes
- Handles vibration & expansion

DEKSTRIP™

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

SPECIFICATIONS

Material Grey TPE

Base Kit Contents

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

INSTALLATION INSTRUCTIONS

BASIC

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.

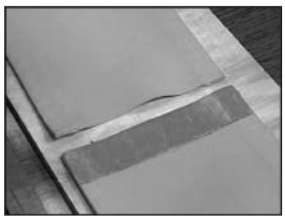
DEKSTRIP™ Expandable Edged Flashing

INSTALLATION INSTRUCTIONS

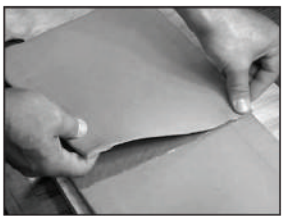
SPLICING

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

2

3

4

5

6

DETAILED INSTRUCTIONS

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 and apply to Dekstrip.
5. Fasten through top of termination strip, Dekstrip, and back of strip with Scots fasteners or rivets.
6. Apply sealant to all seams.

SELECTION CHART

DEKSTRIP Expandable Edged Flashing

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	WEIGHT	FASTENERS NEEDED (1-1/2" O.C.)
4155910	4155910	9" x 75'	31 lbs.	1200
4156910	4156910	12" x 75'	38 lbs.	1200
4171910	4171910	18" x 50'	30 lbs.	800

ITW Buildex

Dektite Combo

The Original Flexible Pipe Flashing System with a 20 Year Warranty.

Dektite Combo

SPECIFICATIONS

Pipe Diameter Ranges

1/4" to 15" – Dektite

Materials

EPDM – Standard and Retrofit

Silicone – High Temperature

APPLICATIONS

Plumbing

Heating

Air Conditioning

Electrical and Exhaust Vents

DESCRIPTION/SUGGESTED SPECIFICATIONS

Pipe Flashing Applications—

Dektite will not crack or break. Dekite can be installed over or between the ribs of standard panels. Generally no sealant is required where the Dektite collar provides a compression fit around the pipe.

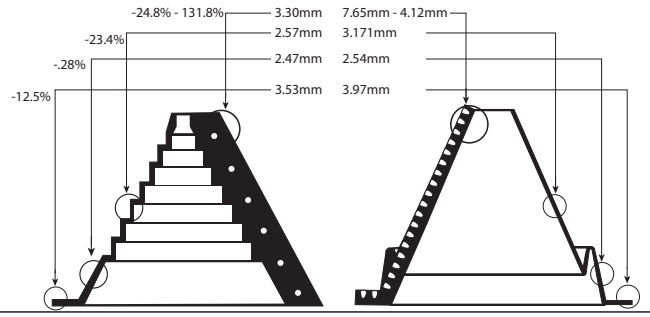
ADVANTAGES

- New design is suitable for standard pipe flashing applications as well as retrofit applications which provides maximum on-site flexibility.
- Made of long lief, flexible, weatherproof gray EPDM rubber or red silicone.
- Flexible, corrosion resistant aluminum base conforms to any panel configuration.
- Paintable with 100% high gloss acrylic paint.
- Quality—Up to 66% thicker than some competitors which provides increased durability and comes with a 20 year warranty.
- New Combo Square Dektite is ideal for square tubes.
- Clips included in each box.

Product Comparison

- Needs loose clips to join ends.
- Needs band to seal pipe.
- Needs sealant applied to base, seam & pipe seam join.

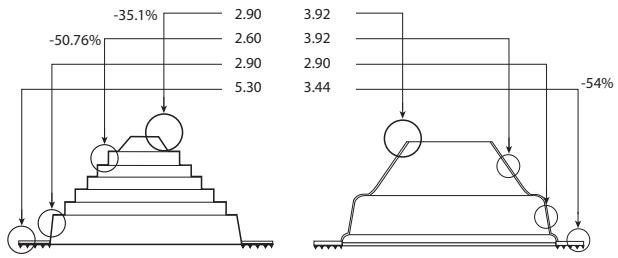
- Fully integrated waterproof seam joint
- Seals by strong compound & good design
- Only needs a sealant on roof and top of seam



Step Design vs Dektite®

- No size markings on step design.
- Dektite underside rib height is 54% lower than step design, resulting in better drainage.

- Step design has exposed corner angles that become vulnerable to degradation when stretched.
- Step product is 50.76 WT% thinner compound in critical areas.



–PHYSICAL PROPERTIES–

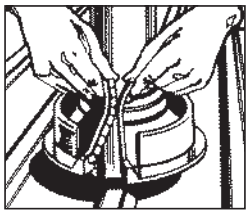
Dektite Combo

SELECTION CHART

Dektite Combo

PART NUMBER	DESCRIPTION	PIPE SIZE METRIC	PIPE SIZE IMPERIAL	ROOF PITCH	BASE mm	BASE Inches	COLOR
DC101	Dektite Combo #1	5-60mm	1/4" - 2-3/4"	0 - 40° or 10/12	139 x 139mm	5-1/2" x 5-1/2"	Black (EPDM)
DC103	Dektite Combo #3	5-127mm	1/4" - 5"	0 - 40° or 10/12	216 x 216mm	8-1/2" x 8-1/2"	Black (EPDM)
DC104	Dektite Combo #4	75-175mm	3" - 7"	0 - 40° or 10/12	285 x 285mm	11-1/4" x 11-1/4"	Black (EPDM)

Retrofit Dektite



PART NUMBER	REFERENCE NUMBER	DEKTITE SIZE NUMBER	PIPE OUTSIDE DIAMETER	DEKTITE BASE DIAMETER	DEKTITE HEIGHT	BOX QTY
8011	4029910	801 EPDM	3/4" - 2-3/4"	6-3/10"	3-1/2"	10
8012	4030910	802 EPDM	2" - 7-1/4"	10-3/4"	5-3/5"	5
8013	4031910	803 EPDM	3-1/4" - 10"	14-1/2"	5-4/5"	5

PERFORMANCE TABLE

Dektite Flashing

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 100˚C • Change in Hardness (points) • Change in Tensile Strength (%) • Change in Elongation (%)	 ± 15 max. ± 30 max. ± 50 max.	 +8 -4.7 -26

ASTM METHOD	TEST DESCRIPTION	SPECIFICATION	TEST RESULTS
D2137	Low Temperature Brittleness- 3 mins. at -40°C	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.S. 94 H.B.	Passed

ITW Buildex

Dektite and Retrofit Dektite

The Original Flexible Pipe Flashing System with a 20 Year Warranty.

Standard Dektite

Retrofit Dektite

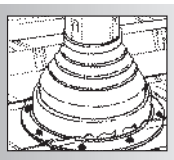
Dektite with Silicone

Dektite with wires

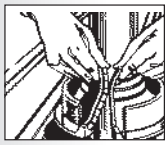
DESCRIPTION/SUGGESTED SPECIFICATIONS

Pipe Flashing Applications—

Dektite Will not crack or break. Dekite can be installed over or between the ribs of standard panels. Generally no sealant is required where the Dektite collar provides a compression fit around the pipe.



Standard Dektite



Retrofit Dektite

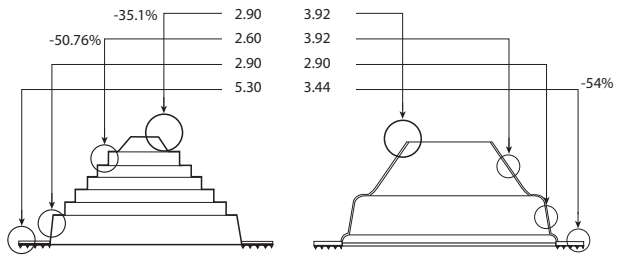
Retrofit Dektite makes difficult installations a breeze! Wraps around existing or difficult to access pipes. Snaps together in seconds. The built-in crimp means no loose clips or rivets. Grips tight and stays tight. The supple aluminum base conforms to metal profiles.

ADVANTAGES

- 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.
- Pleated cone adjusts to any roof pitch and allows for complete flexibility.
- One piece construction is easy to install.
- EPDM has a continuous service temperature range of -53˚C to +121˚C.
- Silicone has a continuous service temperature range of -40˚C to +176˚C
- Proven resistance to ozone and ultra-violet light.
- Thickness of the cone, particularly at stress points, considerably impacts on the life span of the flashing. Dektite is up to 66% thinker in some areas over the competition.

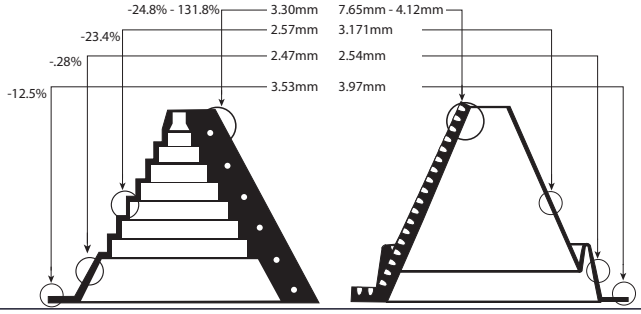
Step Design vs Dektite®

- No size markings on step design.
- Dektite underside rib height is 54% lower than step design, resulting in better drainage.
- Step design has exposed corner angles that become vulnerable to degradation when stretched.
- Step product is 50.76 WT% thinner compound in critical areas.



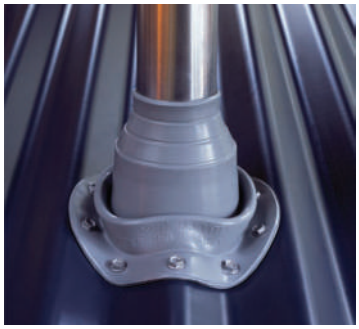
Product Comparison

- Needs loose clips to join ends.
- Needs band to seal pipe.
- Needs sealant applied to base, seam & pipe seam join.
- Fully integrated waterproof seam joint
- Seals by strong compound & good design
- Only needs a sealant on roof and top of seam



Dektite and Retrofit Dektite

APPLICATIONS



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

SPECIFICATIONS

Pipe Diameter Ranges

1/4" to 18" – Dektite

3/4" to 10" – Retrofit Dektite

1/4" to 18" – Silicone

Materials

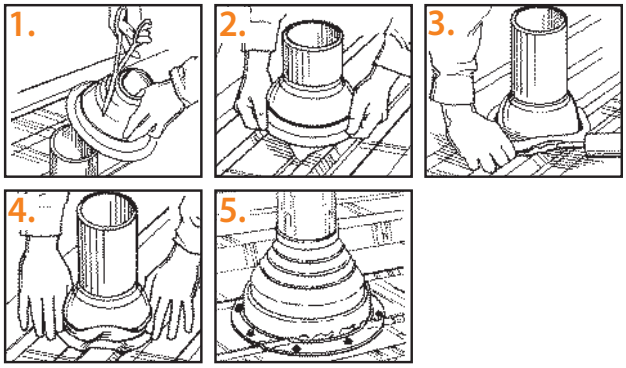
EPDM – Standard and Retrofit

Silicone – High Temperature

Replace with Recommend Sealant: Flexible, Polyurethane-based elastomeric Sealant.

INSTALLATION INSTRUCTIONS

Dektite

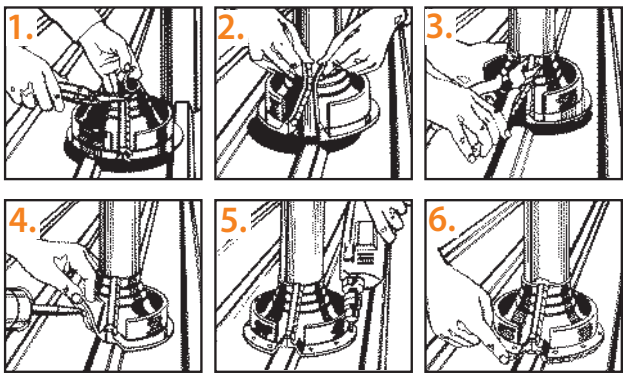


1. Cut Dektite at appropriate pipe diameter marking.
2. Slide Dektite flashing down over pipe.
3. Apply sealant on underside of flexible aluminum base.
4. Press Dektite base into contours of panel configuration.
5. Fasten Dektite to surface with Buildex Scots self-drilling fasteners. Apply additional sealant around base if desired.

Notes:

- Dekite can be installed over or between the ribs of standard panels.
- Can be installed between the rib sections of a Standing Seam Roofs or Architectural Panel. Do Not install over the rib section of the 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 colla crosses the seam.

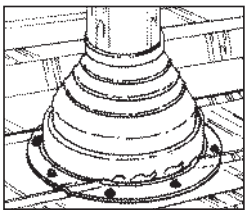
Retrofit Dektite



1. Begin cutting opposite of the mechanical locking joiner. Cut through the joiner with tin snips.
2. Wrap Retrofit Dektite around the pipe. Engage the top section of the joiner first, then proceed down until joiner is completely engaged.
3. Crimp joiner tightly, starting at the top by squeezing joiner "fingers" with pliers.
4. Apply sealant to the underside of the ribbed aluminum base. Press Retrofit Dektite against contours of the panel configuration.
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.
6. Apply additional sealant around the top of the Dektite, near the mechanical locking joiner seam.

SELECTION CHART

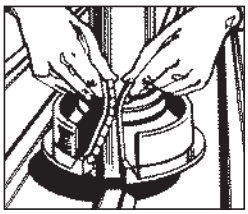
Dektite Flashing



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	PIPE OUTSIDE DIAMETER	DEKTITE BASE DIAMETER	DEKTITE HEIGHT	BOX QTY
8001	4003910	#1 EPDM	1/4" - 2"	4-3/4"	3"	10
8002	4004910	#2 EPDM	1-3/4" - 3-1/4"	6-1/4"	4"	10
8003	4009910	#3 EPDM	1/4" - 4"	7-3/4"	4"	10
8004	4011910	#4 EPDM	3" - 6"	9-1/4"	5"	10
8005	4016910	#5 EPDM	4" - 7"	10-3/4"	5"	5
8006	4018910	#6 EPDM	5" - 9"	12-1/2"	6"	5
8007	4020910	#7 EPDM	6" - 11"	14-1/2"	6"	5
8008	4025910	#8 EPDM	7" - 13"	16-1/2"	6"	5
8009	4028910	#9 EPDM	10" - 18"	25-3/8"	8"	2
4035910	4035910	#3 Silicone	1/4" - 4"	7-3/4"	4"	10
4036910	4036910	#5 Silicone	4" - 7"	10-3/4"	5"	5
4038910	4038910	#8 Silicone	7" - 13"	16-1/2"	6"	5
4039910	4039910	#9 Silicone	10" - 18"	25-3/8"	8"	2

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. **Flexible, Polyurethane-based elastomeric Sealant. Recommended Fastener: 1/4-14 x 7/8" Scots® Teks®/1, part number 1387209.**

Retrofit Dektite

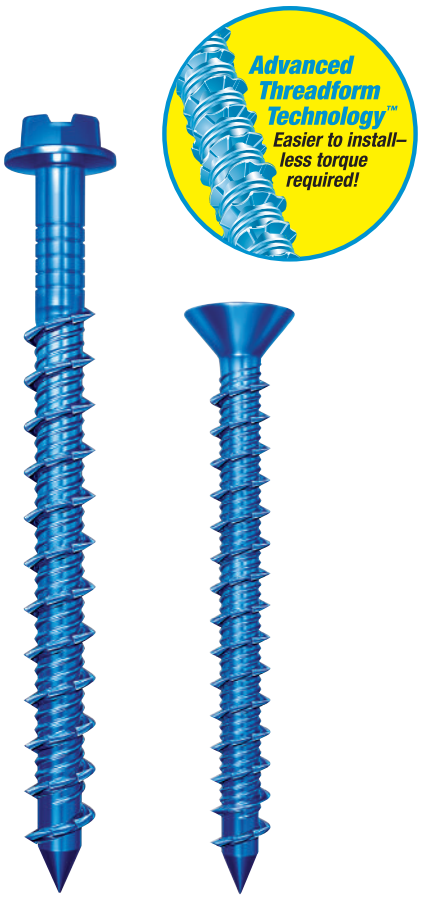


PART NUMBER	REFERENCE NUMBER	DEKTITE SIZE NUMBER	PIPE OUTSIDE DIAMETER	DEKTITE BASE DIAMETER	DEKTITE HEIGHT	BOX QTY
8011	4029910	801 EPDM	3/4" - 2-3/4"	6-3/10"	3-1/2"	10
8012	4030910	802 EPDM	2" - 7-1/4"	10-3/4"	5-3/5"	5
8013	4031910	803 EPDM	3-1/4" - 10"	14-1/2"	5-4/5"	5

ITW Buildex

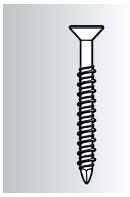
TAPCON®
Concrete and Masonry Anchors

Tapcon®



DESCRIPTION/ADVANTAGES

Light-To-Medium Duty Masonry Applications—



The "original masonry" anchor that cuts its own threads into concrete, brick, or block. Maximum performance is achieved because the Tapcon Anchor, the Condrive Installation Tool, and the carbide-tipped Tapcon Drill Bits are designed to work as a system. It is essential to use the Condrive tool and the correct drill bit to assure consistent anchor performance.

ADVANTAGES

- 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.

Tapcon Anchors

Hex Head style on Tapcon Anchors is available for majority of fixture anchoring needs

Climaseal™ Coating is standard on all Tapcon anchors to provide extended corrosion resistance

Now available in 410 Stainless Steel

Phillips Flat Head style is available when flush seating is necessary in countersink applications

Advanced Threadform cuts into masonry materials for greater pullout values

Lengths of Tapcon Anchors range from 1-1/4" to 4" in 3/16" and up to 6" in 1/4" diameters.

Nail-Type Point guides the anchor into the pre-drilled hole. Excellent for wood to concrete applications

SPECIFICATIONS

Diameter	3/16" and 1/4"	**Head Style**	Flat and Hex Head
Thread Form	Advanced Threadform Technology®	**Point Type**	Nail
		Finish	Blue Climaseal®

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.

APPROVALS/LISTINGS

Miami Dade County Product Control Approved

ICC-ES ESR-1671 City of Los Angeles

RR25644

INSTALLATION STEPS

Read instructions before using (installation)!

WARNING: If there are any questions concerning proper installation, applications or appropriate use of this product, please call our Technical Services Department at 1-800-899-7890. Failure to follow these instructions can result in serious personal injury.

1. **Select proper fastener – diameter / head style / length**
   a) **Use selection chart to choose proper length.**
2. **Drill Hole – use selection chart to determine drill bit length and depth of hole**
   a) **Choose appropriate drill bit based upon diameter of Tapcon Anchor.**
   b) **Drill hole minimum ¼" deeper than Tapcon Anchor to be embedded.**
   Minimum anchor embedment: 1"
   Maximum anchor embedment: 1-3/4"
3. **Drive Anchor**

WARNING: Failure to wear safety glasses with side shields can result in serious personal injury. Always wear ANSI compliant eye protection (ANSI Z87.1-2003).

WARNING: Using the wrong size drill bit will affect performance values and may cause failure.

INSTALLATION TOOL GUIDELINES

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.

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 apcon, 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® - A multi-purpose tool designed for installation of Tapcon hex head and Phillips flat head anchors up to 3-3/4" long.

GUIDELINES:

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

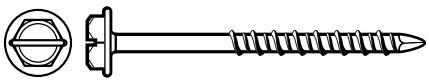
STEP 2: Slide Condrive Installation Tool sleeve over drill bit. Snap hex head or Phillips Socket in place.

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.

Buildex Condrive Tools are designed to specifically install Tapcon Anchors and to fit standard hammer drills.

HEAD STYLES



3/16" diameter has a 1/4" slotted hex washer head (HWH)

1/4" diameter has a 5/16" slotted hex washer head (HWH)

3/16" diameter uses a #2 phillips flat head (PFH)

1/4" diameter uses a #3 phillips flat head (PFH)

Tapcon Concrete and Masonry Anchors

SELECTION CHART

Tapcon Anchors — 3/16" Diameter

PART NUMBER 1/4" HWH	PART NUMBER #2 PFH	DESCRIPTION	FIXTURE THICKNESS	STRAIGHT SHANK DRILL BIT PART NUMBER	DRILL BIT DESCRIPTION	BOX QTY	CASE QTY	BULK QTY
3010 BK	3110 BK	3/16" x 1-1/4"	0 - 1/4"	7200	5/32" x 3-1/2"	100	1000	3,000
3020 BK	3120 BK	3/16" x 1-3/4"	0 - 3/4"	7200	5/32" x 3-1/2"	100	1000	3,000
3030 BK	3130 BK	3/16" x 2-1/4"	1/2" - 1-1/4"	7210	5/32" x 4-1/2"	100	1000	2,000
3040 BK	3140 BK	3/16" x 2-3/4"	1" - 1-3/4"	7210	5/32" x 4-1/2"	100	1000	1,500
3060 BK	3160 BK	3/16" x 3-1/4"	1-1/2" - 2-1/4"	7220	5/32" x 5-1/2"	100	1000	1,000
3080 BK	3180 BK	3/16" x 4"	2-1/4" - 3"	7220	5/32" x 5-1/2"	100	500	1,000

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.

BK Available in Bulk Pack Qty

Tapcon Anchors — 1/4" Diameter

PART NUMBER 5/16" HWH	PART NUMBER #3 PFH	DESCRIPTION	FIXTURE THICKNESS	STRAIGHT SHANK DRILL BIT PART NUMBER	DRILL BIT DESCRIPTION	BOX QTY	CASE QTY	BULK QTY
3210 BK	3310 BK	1/4" x 1-1/4"	0 - 1/4"	7230	3/16" x 3-1/2"	100	1000	3,000
3220 BK	3320 BK	1/4" x 1-3/4"	0 - 3/4"	7230	3/16" x 3-1/2"	100	1000	2,000
3230 BK	3330 BK	1/4" x 2-1/4"	1/2" - 1-1/4"	7240	3/16" x 4-1/2"	100	1000	1,000
3240 BK	3340 BK	1/4" x 2-3/4"	1" - 1-3/4"	7240	3/16" x 4-1/2"	100	1000	1,000
3250 BK	3350 BK	1/4" x 3-1/4"	1-1/2" - 2-1/4"	7250	3/16" x 5-1/2"	100	1000	750
3270 BK	3370 BK	1/4" x 4"	2-1/4" - 3"	7250	3/16" x 5-1/2"	100	500	750
3280 BK	3380 BK	1/4" x 5"	3-1/4" - 4"	7260	3/16" x 6-1/2"	100	500	500
3290 BK	3390 BK	1/4" x 6"	4-1/4" - 5"	7270	3/16" x 7-1/2"	100	100	250

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.

BK Available in Bulk Pack Qty

Accessories

PART NUMBER	DESCRIPTION
7005	Condrive 500 Installation Kit
7000	Condrive 1000 Installation Kit

PERFORMANCE TABLES

Tension Values
(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

Tension and Shear Values
(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.

Shear Values
(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

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.

As in the case with all applications, Buildex can only suggest typical fasteners for typical applications and that the connection design is the sole responsibility of the Building Design Engineer, Architect or otherwise responsible person charged with the design of the connection. For further product information, please contact the nearest Authorized Buildex Distributor or the Buildex Technical Service Department at 1-800-323-0720.

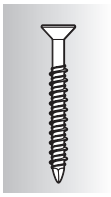
ITW Buildex

TAPCON®
Ceiling Anchor

Tapcon®

DESCRIPTION

Tapcon Ceiling Anchors—



This innovative anchoring system allows the installer to conduct the installation from the ground for ceiling heights 18 foot or lower. The patented pole system allows the installer to drill the hole from the ground through hard to reach areas where pipes and duck work get in the way. The driving mechanism will also tie the wire after the anchor is fully set.

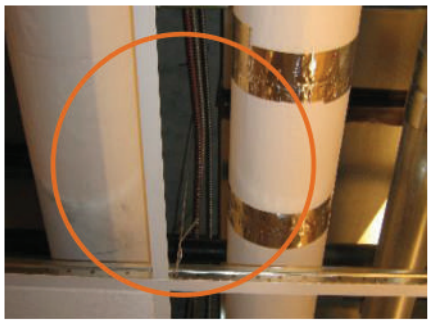
ADVANTAGES

- Install the anchor from the ground. Eliminating the need for scaffolds or expensive scissor lifts and increase your output.
- No need to set the anchor using a claw hammer. Just drive the anchor in using the installation tool and your are done.
- Anchors can easily be inspected for correct installation.
- No need to pay more for a 1/4" drill bit. This anchor requires a 3/16" carbide bit so you can drill faster with less effort.
- Reversible and removable...can be installed close to an edge.
- Tie-Wire Head accommodates up to 3/16" wire.

SUGGESTED SPECIFICATIONS

- The fastener used to suspend T-Bar, Gypsum Wall Board Ceilings, or Light Fixtures in Concrete shall be Buildex Tapcon Ceiling Anchor 1/4" x 1-1/4" with Blue Climaseal Coating (TCA-114).

APPLICATIONS



TCA allows for easy access through pipes and obstacles.

T-Bar ceiling, gypsum wall board ceiling, and safety chains for light fixtures.

SELECTION CHART

Tapcon Ceiling Anchors

PART NUMBER	DESCRIPTION	BOX QTY
TCA-114	T1-1/4" Tapcon Ceiling Anchor	1000
TCA-POLEI	TCA Pole for installing	1
TCA-I	TCA-I Driver for LagMaster plus pole tool	1

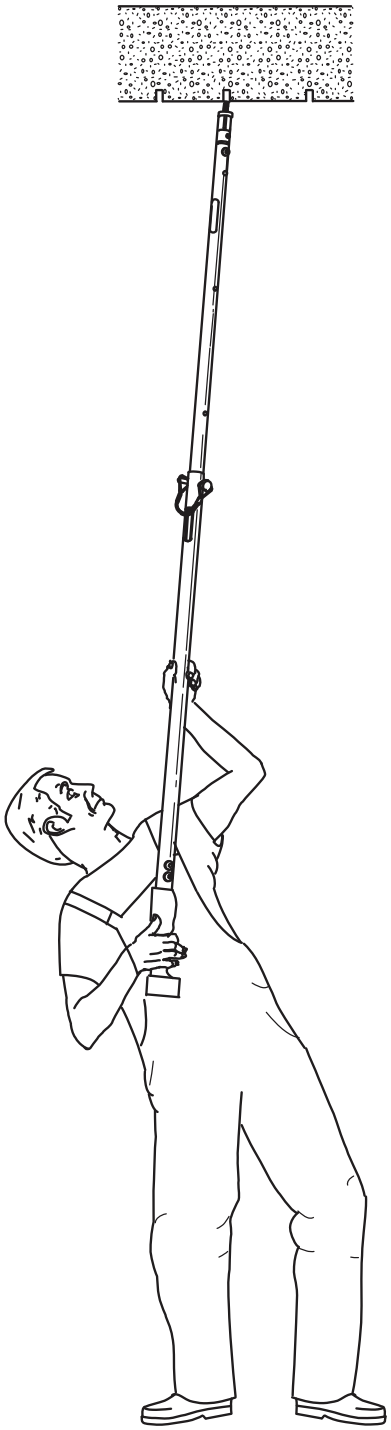
PERFORMANCE TABLES

Ultimate Tension & Shear Values
In 4000 PSI Normal-Weight Concrete (Lbs.)

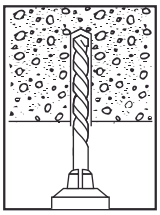
ANCHOR DIAMETER	ANCHOR EMBEDMENT	ULTIMATE TENSION (Lbs.)	ULTIMATE SHEAR (Lbs.)
1/4"	1-1/4"	1,310	1,370

Allowable Edge and Spacing Distances
In Normal-Weight Concrete (Lbs.)

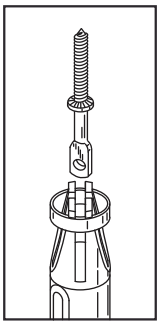
PARAMETER	FULL CAPACITY (Critical Distance Inches)	REDUCED CAPACITY (Minimal Distance Inches)	LOAD REDUCTION FACTOR
Spacing - Tension	4	2	0.66
Spacing - Shear	4	2	0.82
Edge Distance - Tension	2-1/2	1-1/4	0.82
Edge Distance - Shear	3	1-1/2	0.59



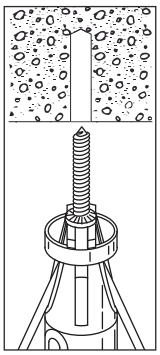
INSTALLATION STEPS



1. Drill hole 1-1/2" deep into the concrete using a 3/16" ANSI Carbide Drill Bit.

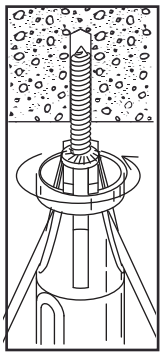


2. Insert Tapcon Ceiling Anchor into the TCA driver.

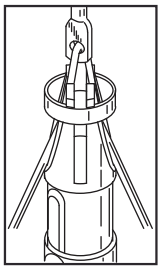


3. Feed tie wire rod through the TCA driver and the Tapcon Ceiling Anchor.

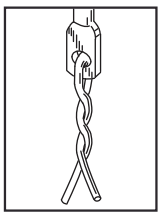
Align Tapcon Ceiling Anchor to 3/16" hole



4. Install the Tapcon Ceiling Anchor using a 18v cordless drill with a clutch feature until the anchor collar is flush with the concrete surface.



5. Pull on the installation pole tool until the head of the anchor is free from the TCA driver.



6. Turn the pole tool using the cordless drill until the tie wire rod is securely fastened into itself.

ITW Buildex

E-Z Drywall Anchors

The Original! Fast and Easy Self-Drilling Anchors

DESCRIPTION/SUGGESTED SPECIFICAITONS

Drywall Anchor Applications—

E-Z Ancor Self-Drilling Anchor

The E-Z Ancor is a one-piece self-drilling anchor designed for optimal holding performance in gypsum wallboard. Available in zinc or high strength engineered plastic (non-conductive). Ideal anchor for 3/8", 1/2" and 5/8" gypsum wallboard.

ADVANTAGES

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

E-Z Ancors

E-Z Mini | Mini Twist-N-Lock | E-Z Ancor | E-Z Twist-N-Lock | E-Z Toggle

APPLICATIONS

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

SPECIFICATIONS

Material Zinc die cast, Carbon, Steel, Nylon

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

PERFORMANCE TABLE

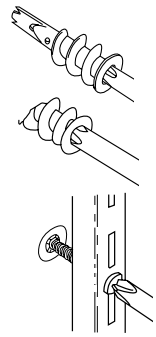
E-Z Ancors

DRYWALL THICKNESS	HOLDING WEIGHT (lbs.) Gypsum Board Thickness		
	3/8"	1/2"	5/8"
EZ Mini and Mini Twist-N-Lock	30	40	50
E-Z Anchor	40	50	75
Twist-N-Lock	65	75	80
E-Z Toggle	70	85	150

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.

INSTALLATION INSTRUCTIONS

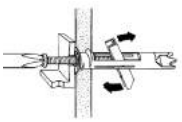
LIGHT DUTY & MEDIUM DUTY E-Z ANCORS



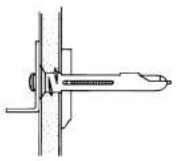
1. Place #2 Phillips screwdriver into recess of E-Z Zinc, E-Z Lite, E-Z Mini, E-Z Stud Solver, Twist-N-Lock, or E- Z Plastic Plus.
2. Press into drywall while turning the anchor clockwise until it is seated flush with wall.
3. Place fixture in position over installed E-Z Zinc, E-Z Lite, E-Z Mini , E-Z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

HEAVY DUTY E-Z TOGGLE

1. Using a #2 Phillips screwdriver, drill the E-Z Toggle Anchor into drywall until the head of the anchor is seated flush.



2. 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.



3. 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).

E-Z Mini | Mini Twist-N-Lock | E-Z Ancor | E-Z Twist-N-Lock | E-Z Toggle

SELECTION CHART

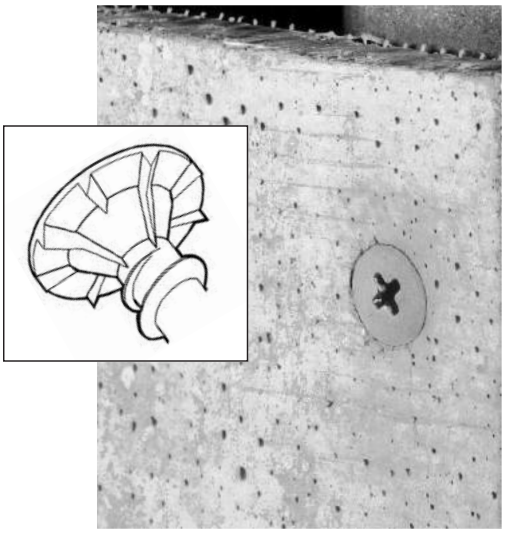
E-Z Ancors

PART NUMBER WITH SCREWS	PART NUMBER WITHOUT SCREWS	DESCRIPTION	MATERIAL	MAXIMUM FIXTURE THICKNESS	ACCOMMODATES SHEETS METAL SCREW SIZE	BOX QTY	CASE QTY	BULK QTY
6411L	6400L [B]	Mini Twist-N-Lock	Nylon	3/4"	#6	100	1000	10,000
6411M	6400M [B]	E-Z Mini	Zinc	3/4"	#6, #7, #8	100	1000	3,000
6411	6400 [B]	E-Z Ancor	Zinc	3/4"	#6, #7, #8	100	1000	1,700
6411P	6400P [B]	E-Z Twist N Lock	Nylon	3/4"	#8	100	1000	4,500
6401 [B]	-	E-Z Toggle	Zinc	1/2"	#8	100	1000	

[B] Available in Bulk Pack Qty

Rock-On Backer-On Fasteners

Cement Board and Fiber Cement Backerboard Fasteners



DESCRIPTION/ADVANTAGES

Cement Board Applications—

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.

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®

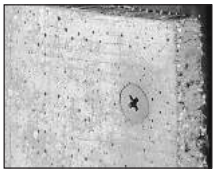
BACKER-ON

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

INSTALLATION INSTRUCTIONS

1. 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.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. Worn or damaged bit tips should be replaced.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdrivng may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

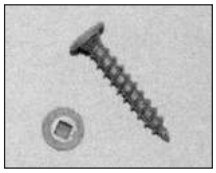
APPLICATIONS



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

Wire lath to steel or wood studs.

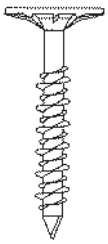
Plywood to steel or wood studs.



Hardie Fiber Cement Backerboard

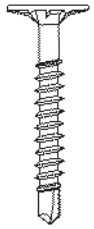
SELECTION CHART

Hi-Lo Rock-On Fasteners



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	MATERIAL ATTACHMENT RANGE	BOX QTY	APPLICATIONS
BX23202	2151500	9-15 x 1-1/4"	#2 PW	Up to 3/4" Material Thickness to Wood 3/8"-1" Material Thickness to Steel	600	- Cement Board to wood or light gauge steel 26-20 gauge
BX23135	2153500	9-15 x 1-5/8"	#2 PW	Up to 1-1/8" Material Thickness to Wood 3/8"-1-3/8" Material Thickness to Steel	150	

S-12 Rock-On Fasteners



PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	MATERIAL ATTACHMENT RANGE	CASE QTY	APPLICATIONS
2139500	2139500	8-18 x 2-1/4"	#2 PW	1" - 1-7/8" Material Thickness to Steel	2,000	- Cement Board to steel 20-12 gauge

Backer-On Fasteners

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HEAD STYLE	MATERIAL ATTACHMENT RANGE	BOX QTY	APPLICATIONS
BX23206	BX23206	#10 x 1-1/4"	#2 SW	Up to 1/2" Backer Board to Wood Up to 1" Backer Board to Steel	600	- Backer Board to wood and steel
BX23137	BX23137	#10 x 1-1/4"	#2 SW	Up to 1/2" Backer Board to Wood Up to 1" Backer Board to Steel	200	

PERFORMANCE TABLES

Sheet Steel Gauges

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

Pullout Values

FASTENER	STEEL GAUGE (Lbs.)							
	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	-----

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.

Gridmate® BR

Plastic Insulation Fasteners

DESCRIPTION/ADVANTAGES

Fastening Insulation To Concrete—

- Textured head allows for coverage of stucco.
- Non cold-conductive.
- Made from strong Polypropylene.
- Fins provided high holding power.
- Non Corrosive.
- Easy to install.

APPLICATIONS

- All Polymer Modified (PM) Systems.
- Modified Stucco Systems.
- Exapnded lath over EPS, XPS or ISO rigid insulation.
- Fiberglass fabric over rigid insulation.
- Wire mesh over rigid insulation.
- Attaching rigid insulation to masonry or concrete.

SELECTION CHART

Gridmate BR Anchor

PART NUMBER	REFERENCE NUMBER	DESCRIPTION	HOLE DIAMETER	MAXIMUM GRIP	BOX QTY
56040	56040	2-3/4"	5/16"	1-1/2"	250
56050	56050	3-1/2"	5/16"	2-1/2"	200
56060	56060	4-3/8"	5/16"	3-1/4"	200
56070	56070	5-1/4"	5/16"	4"	100

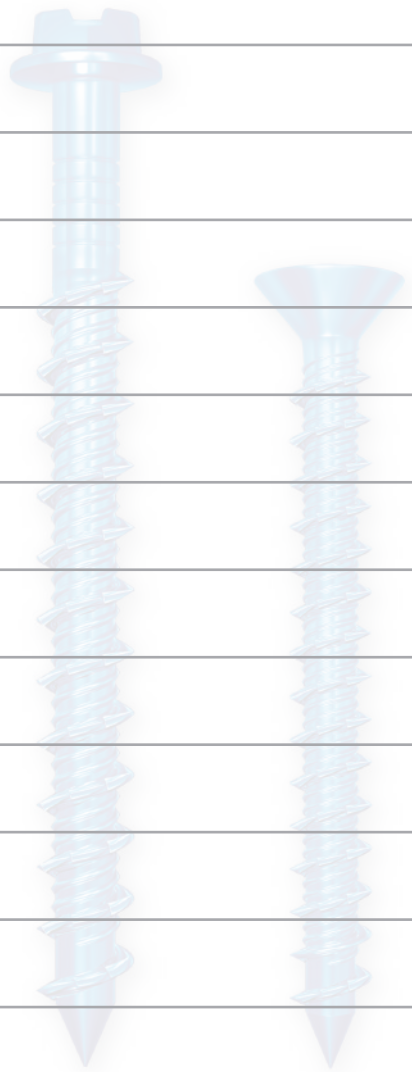
PERFORMANCE TABLE

Gridmate BR

BASE MATERIAL	EMBEDMENT	ULTIMATE PULLOUT
25 MPA Concrete	1-1/8"	113 lbs.
Concrete Block	1-1/8"	113 lbs.
Brick	1-1/8"	113 lbs.

8 fasteners per 4' x 8' sheet required.

Notes



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