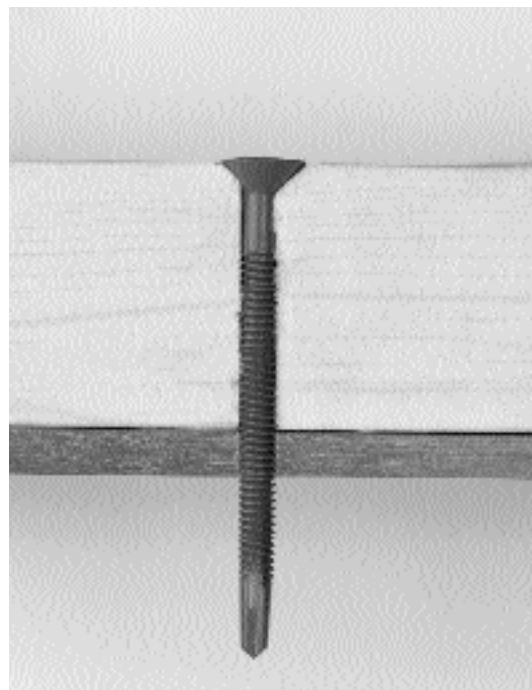
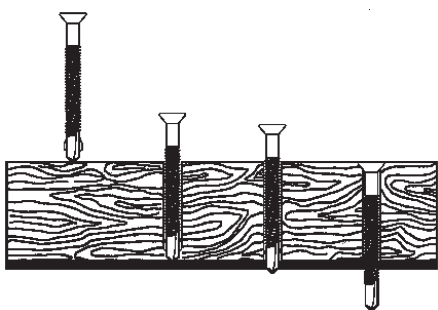


Wood-to-Metal Fasteners

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



Applications

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

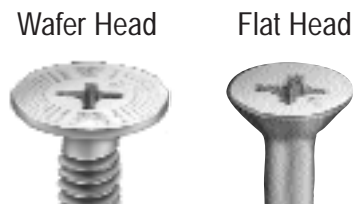
Product Features

- 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-Driv® Flat #12: #3 Phillips Flat 1/4: #3 Phillips Flat
Drill Point.....	Teks 3 Teks 4
Finish.....	Gray Spex

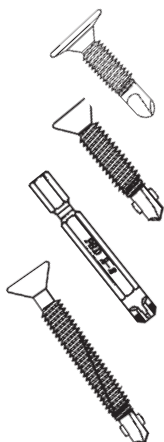
Head Styles



Phillips Square Driv®



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	-	-

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

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	18	16	14	12	1/8
#10	3	728	1266	1540	1522	-	-
#12	4	-	-	-	-	2048	2030
1/4	4	-	-	-	-	2650	2820

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.
- 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.

