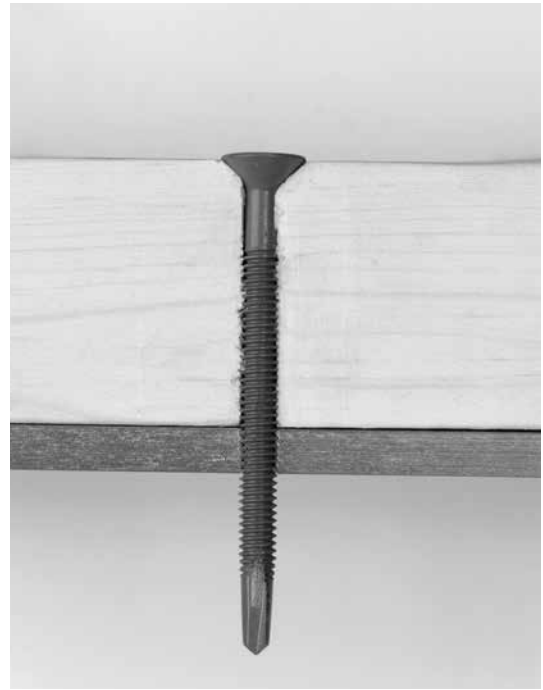
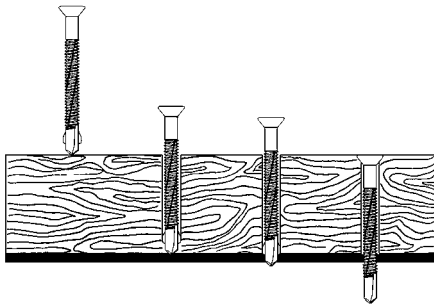


## Wood-to-Metal Fasteners

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



### Applications

- Plywood roof and floor sheet to steel frames.
- Plywood fascia to steel frames.

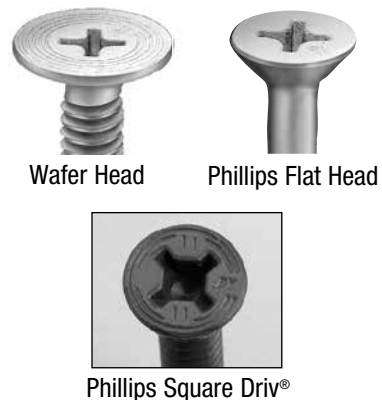
### Product Features

- 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

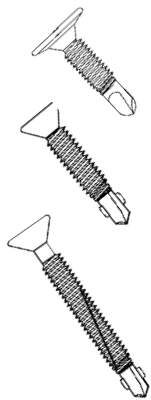
<b>Diameter</b> .....	#10, #12 and 1/4
<b>Thread Form</b> .....	10-16
	10-24
	12-24
	1/4-20
<b>Head Style</b> .....	#10: #2 Phillips Flat; #2 Phillips
	#10: #2 Phillips Square-Driv® Flat
	#12: #3 Phillips Flat
	1/4: #3 Phillips Flat
<b>Drill Point</b> .....	Teks 3
	Teks 4
<b>Finish</b> .....	Gray Spex

### Head Styles



# TEKS® WOOD-TO-METAL SELF-DRILLING FASTENERS

## Selector Guide



Part Number	Description	Head Style	Drill Point	Drill & Tap Capacity	Max. Material Attachments	Box Qty	Applications
1791000	10-16 x 1-13/16"	**PSD Flat	#3	.030-.175	1/4"-3/4"	2,500	• Plywood, mansard, fascia, roofing, flooring to steel framing
1079000	10-24 x 1"	Wafer	#3	.036-.175	1/4"-1/2"	5,000	
1548500	10-24 x 1-1/2"	PFH	#3	.036-.175	1/4"-1"	3,000	
1644100	10-24 x 1-1/2"	Wafer	#3	.036-.175	1/4"-1"	3,000	
1082000	10-24 x 1-7/16"	*PFH	#3	.060-.175	1/4"-3/4"	3,000	
1552500	12-24 x 1-5/8"	*PFH	#4	.125-.250	3/4"-1-1/8"	2,500	• 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	-	-	-
#12	4	-	-	-	-	-	-	-	1508	3865	4101	-
1/4	4	-	-	-	-	-	-	-	1803	4297	-	-

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.	26	24	22	20	18	16	14	12
Decimal Equivalent	.018"	.024"	.030"	.036"	.048"	.060"	.075"	.105"

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.	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 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.



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