



**Choose from the largest selection of fasteners for metal-to-wood applications**

Designed for fast installation and corrosion free performance.

All fasteners can be painted with our Kalida-Kote paint finish to your exact color match. Polyurethane with UV protection provides a chip resistant finish without chalking and fading.



**#9-15 Double Lead Thread**

Economical Sharp gimlet point for fast penetration.



**#10-15 Dual Thread with Type 17 Point**

Dual thread form for increased pullout load. The special milled point penetrates high tensile steel panels!

*Available in 410 Stainless Steel for ACQ lumber applications.*



*High performance!*

**PANEL-TITE® #10-12 Double Lead**

Choose this double lead thread for superior strength. TRI-SEAL coated is formulated for ACQ lumber applications. 1,000 hrs salt spray!

*Available with a stainless cap head and 304 stainless steel!*



**PANEL-TITE® #12-11 Double Lead Lap Screw**

#12 Sharp point for fast penetration into panel laps.

*Available with a stainless cap head.*



*High performance!*

**PANEL-TITE® ULTRA12 #12-8 Low Root**

This high strength fastener is designed to provide superior pullout. TRI-SEAL coated is formulated for ACQ lumber applications. 1,000 hrs salt spray!



**PANEL-TITE® #14 High Performance**

#14 high strength for extra tough applications!

**Sizes**

Size	Attachment Range
#9-15 x 1" Gimlet	<.250
#9-15 x 1-1/2" Gimlet	<.750
#9-15 x 2" Gimlet	.500 to 1.250
#9-15 x 2-1/2" Gimlet	1.000 to 1.750
#9-15 x 3" Gimlet	1.500 to 2.250

Size	Attachment Range
#10-15 x 1" Type 17	<.250m
#10-15 x 1-1/2" Type 17	<.750
#10-15 x 2" Type 17	.500 to 1.250
#10-15 x 2-1/2" Type 17	1.000 to 1.750
#10-15 x 3" Type 17	1.500 to 2.250

Size	Attachment Range
#10-12 x 1" Gimlet	<.250m
#10-12 x 1-1/2" Gimlet	<.750
#10-12 x 2" Gimlet	.500 to 1.250
#10-12 x 2-1/2" Gimlet	1.000 to 1.750
#10-12 x 3" Gimlet	1.500 to 2.250

Size	Attachment Range
#12-11 x 3/4" Gimlet	Stitching - Panel Lap

Size	Attachment Range
#12-8 x 1" Gimlet	<.250
#12-8 x 1-1/2" Gimlet	<.750
#12-8 x 2" Gimlet	.500 to 1.250

Size	Attachment Range
#14-10 x 1" Type S point	<.250
#14-10 x 1-1/2" Type S point	<.750
#14-10 x 2" Type S point	.500 to 1.250

**Options**

STAINLESS STEEL  
Cap Head



ZINC ALLOY  
Cap Head



305 STAINLESS STEEL  
Attaching steel to wood? Choose Bi-metal screw with carbon steel tip  
Attaching aluminum to wood: Choose all stainless



**Need more corrosion protection?**  
Select either the stainless head, zinc head or stainless steel threads.

**Contact TFC for sizes and availability.**

**Sizes**

**#9-15**  
Double Lead



**#10-15**  
Dual Thread



**#10-12**  
Double Lead



**#12-8** Low  
Root



**#12-11**  
Lap



**#14-10**  
Type S Point



**Material Specifications**

Material: Carbon Steel

Plating

#10-12 & #12-11 PANEL-TITE®: TRI-SEAL Long-life (ACQ Compatible)  
#9-15, #10-15 & #14-10 : .0005" Min. Zinc

Material: 304 Stainless Steel

Finish: Passivated. (ACQ Compatible)

Material: 304 Stainless Steel Bi-Metal

Plating: TRI-SEAL (ACQ Compatible)

Material: 410 Stainless Steel

Plating: OxySeal (ACQ Compatible)

Paint

Kalida-Kote Polyurethane with UV stabilizer

DISCLAIMER: ALL TEST RESULTS AND FASTENER RECOMMENDATIONS ARE BASED ON LABORATORY CONDITIONS. BECAUSE ACTUAL JOB SITE CONDITIONS VARY AND ARE UNCONTROLLABLE BY TFC, WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.

**Performance Specifications**

**Strengths (Carbon Steel)**

Size	Tensile (lbs. min)	Shear (avg. lbs. ult.)	Torsional (min. in. lbs.)
#9-15	1,800	1,200	50
#10-15	1,850	1,216	65
#10-12	2,100	1,400	65
#12-8	2,183	1,946	80
#12-11	2,778	2,000	92
#14-10	3,150	2,150	125

**Pullover Strength in Pounds**

Washer Size	26ga (.019")	24ga (.023")	22ga (.031")	20ga (.035")	18ga (.049")
1/2" O.D.	515	674	875	1100	1627
9/16" O.D.	587	744	915	993	1246
15mm O.D.	564	810	1097	1166	1643

**Pullout Values in Wood (Carbon Steel or Stainless Steel)**

Material	Pullout In Pounds					Embd Depth
	#9-15	#10-15	#10-12	#12-8	#14	
2x Pine	328					3/4"
	572	580	580	625	650	1"
1/2" CDX	225	230	230	384	384	full
5/8" CDX	328	340	340	446	489	full
3/4" CDX	476	480	480	587	667	full
7/16" OSB	183	250	234	251	245	full
19/32" OSB	276		326	456	365	full
23/32" OSB	261		352	524	406	full

**Corrosion Test Results**

	TRI-SEAL	#9 and #14
Kesternich	30 cycles	5 cycles
Salt Spray	1,000 hours	48 hours



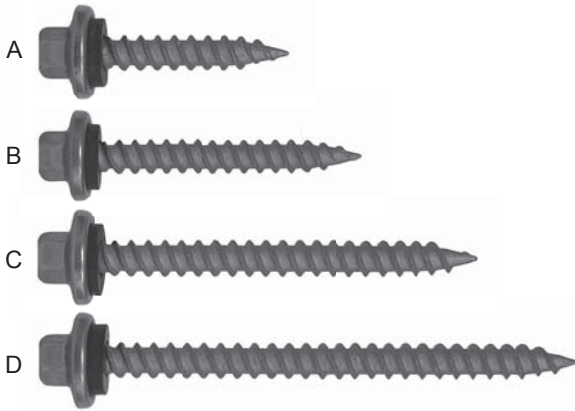
We offer a complete line of metal-to-wood screws that provide superior corrosion protection in the most harsh environments.

Choose either the **PANEL-TITE®** with stainless steel cap head or all stainless steel for attaching aluminum panels to wood.



**PANEL-TITE® SCH**  
**Stainless Cap Head**  
**w/ Flange Sealer**

- Use on 20yr warranty roof systems.
- Carbon steel shank with TRI-SEAL™ coating.
- Provides outstanding corrosion protection.



**PANEL-TITE® SS**  
**Stainless Steel**  
**w/ Aluminum Bonded-Sealer Washer**

- 305 stainless steel.
- Used in aluminum applications.
- Preferred screw for ACQ lumber.



**SIZES**

	Description	Drilling Thickness	Part No.	Carton Quantity
A	#10-12 x 1" GP	20ga. max	10100HWGSYSWSC	2,500 pcs.
B	#10-12 x 1-1/2" GP	20ga. max	10150HWGSYSWSC	2,000 pcs.
C	#10-12 x 2" GP	20ga. max	10200HWGSYSWSC	2,000 pcs.
D	#10-12 x 2-1/2" GP	20ga. max	10250HWGSYSWSC	1,000 pcs.

**SIZES**

	Description	Drilling Thickness	Part No.	Carton Quantity
E	#9-15 x 1" GP	.040 AL	DD9100PW3SS	3,000 pcs.
F	#9-15 x 1-1/2" GP	.040 AL	DD9150PW3SS	2,500 pcs.
G	#9-15 x 2" GP	.040 AL	DD9200PW3SS	2,000 pcs.
H	#9-15 x 2-1/2" GP	.040 AL	DD9250PW3SS	1,500 pcs.

**TECHNICAL DATA**

**MATERIAL AND PHYSICAL PROPERTIES**

Diameter & Point: #10-12 Gimlet Point  
Material: Carbon Steel Shank, 304 Stainless Steel Cap Head  
Plating: TRI-SEAL™ Coating  
Head Style: 1/4" HWH  
Thread: #10-12 Double Lead  
Salt Spray: 1,000 hrs.

Diameter & Point: #9-15 Gimlet Point  
Material: 305 Stainless Steel  
Plating: Passivated  
Head Style: 1/4" HWH  
Thread: #9-15 Double Lead

**FASTENER STRENGTH**

Size	Tensile (lbs.)	Shear (lbs.)	Torsional (Inch-lbs.)
#9-15	1,500	980	50
#10-12	2,100	1,400	65

**PULLOUT**

Material Type & Thickness	Embedment Depth	Pullout Load (Ult Avg.)	
		#9-15	#10-12
1/2" Plywood	Full	225 lbs.	230 lbs.
5/8" Plywood	Full	328 lbs.	340 lbs.
3/4" Plywood	Full	476 lbs.	480 lbs.
2X - SYP Treated	1"	572 lbs.	580 lbs.
2X - SYP Construction	1"	492 lbs.	502 lbs.

DISCLAIMER: ALL DATA AND SPECIFICATIONS ARE BASED ON LABORATORY TESTS. APPROPRIATE SAFETY FACTORS SHOULD BE USED BY THE USER OR SPECIFIER. DETERMINING THE PROPER FASTENER IS THE RESPONSIBILITY OF THE USER OR SPECIFIER. BECAUSE APPLICATION CONDITIONS VARY, WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.