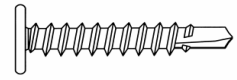


# TEKS®

## Low Profile Architectural Metal Roof Clip Fasteners



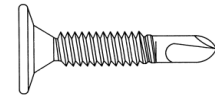
SIZE	DB PART#	HEAD STYLE	PT#	STD. CTN.	LBS. PER C	BRKN CTN	PRICE PER C FULL CTN	5 + CTNS
#10 - 16 X 1" TEKS®**	10N100TCXSX	#2 PHIL	3	4000	0.76	5.45	4.35	3.75
#10 - 12 X 1" TYPE "A"***	10N100SCXSX	#2 PHIL	A	4000	0.69	4.20	3.35	2.90
#10 - 12 X 1 1/2" TYPE A***	10N150SCXSX	#2 PHIL	A	2500	0.74	9.00	7.20	6.25
#12 - 14 X 1" TEKS®**	12N100TCXSX	PHIL / SQUARE	3	4000	0.86	6.60	5.25	4.55
#12 - 11 X 1" TYPE "A"***	12N100SCXSX/A	PHIL / SQUARE	A	4000	0.86	6.95	5.55	4.80
1/4"-14 X 1 1/4" SELF DRILL	14N125THXV/RAKE	HWH W/ SHOULDER	3	2500	1.73	20.10	16.05	13.95

\*\* GRAY SPEX™ COATED  
 \*\*\* CLIMACOAT™ COATED



# TEKS®

## Wood to Metal Fasteners



PHIL WAFER HEAD PLYMETAL SELF DRILLERS  
 FOR ATTACHING PLYWOOD TO METAL RANGING FROM .036" TO .175" THICK.

SIZE	DB PART #	WOOD ATTACHMENT RANGE	PT#	STD. CTN.	LBS. PER C	BRKN CTN	PRICE PER C FULL CTN	5 + CTNS
#10 - 24 X 3/4"	10C75TWXSX	1/4" - 3/8"	3	5000	0.65	7.95	6.35	5.50
#10 - 24 X 1"	10C100TWXSX	1/4" - 1/2"	3	3500	0.77	8.25	6.60	5.70

PHIL FLAT HEAD REAMER SELF DRILLERS  
 FOR ATTACHING WOOD TO METAL RANGING FROM .030" TO .250" THICK.



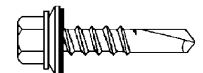
SIZE	DB PART #	WOOD ATTACHMENT RANGE	PT#	STD. CTN.	LBS. PER C	BRKN CTN	PRICE PER C FULL CTN	5 + CTNS
#10 - 16 X 1 13/16" w/o wings*	10N181TFXSX	1/4" - 3/4"	3	2500	0.88	12.75	10.20	8.85
#10 - 24 X 1 7/16" w/wings**	10C143TFXSX/WGS	1/4" - 3/4"	3	3000	0.99	11.15	8.90	7.70
#12 - 24 X 2 1/4" w/ wings***	12C225TFXSX	3/4" - 1 3/8"	4	2000	1.80	21.70	17.35	15.05
#12 - 24 X 2 3/4" w/ wings***	12C275TFXSX	3/4" - 1 5/8"	4	1500	2.25	25.10	20.05	17.40
1/4" - 20 X 3" w/ wings***	14C300TFXSX	3/4" - 2"	4	1000	3.32	30.15	24.10	20.95

\* W/O WINGS, METAL RANGE FROM .030 - .175 GRAY™ COATED  
 \*\* METAL RANGE FROM .060 - .175 GRAY SPEX™ COATED  
 \*\*\* METAL RANGE FROM .125 - .250 GRAY SPEX™ COATED

TEKS®, CLIMACOAT® AND GRAY SPEX™ ARE REGISTERED TRADEMARKS OF ITW BUILDDEX AND ILLINOIS TOOL WORKS, INC.



# 410 STAINLESS STEEL TEKS® W/ SEALER



CORROSION RESISTANT FINISH FOR ADDED SURFACE RUST PROTECTION

SIZE	DB PART #	HEAD SIZE	PT#	STD. CTN.	LBS. PER C	BRKN CTN	PRICE PER C FULL CTN	5 + CTNS
#12 X 1"	12N100THB4	5/16"	3	2500	1.02	33.00	26.40	22.95
#12 X 1 1/4"	12N125THB4	5/16"	3	2500	1.16	31.40	25.10	21.80
#12 X 1 1/2"	12N150THB4	5/16"	3	2000	1.35	32.75	26.20	22.75

410 STAINLESS IS MAGNETIC AND WILL RUST  
 OTHER SIZES AVAILABE, PLEASE CALL FOR PRICING

# SILICON BRONZE FASTENERS

IDEAL FOR COPPER ROOFING  
**SELF TAPPING TYPE A**



SILICON BRONZE FASTENER PREASSEMBLED TO COPPER AND EPDM BONDED WASHER

SIZE	DB	HEAD SIZE	TYPE	STD.	LBS.	BRKN CTN	PRICE PER C	
	PART #			CTN.	PER C		FULL CTN	5 + CTNS
#10 X 1"	10N100SHBE/A	1/4"	A	3500	0.87	32.00	25.80	22.43
#10 X 2"	10N200SHBE/A	1/4"	A	2000	1.31	34.25	27.60	23.98

## SILICON BRONZE CLIP SCREW



SIZE	DB	DRIVE	TYPE	STD.	LBS.	BRKN CTN	PRICE PER C	
	PART #			CTN.	PER C		FULL CTN	5 + CTNS
#10 X 1"	10N100SCXE/A	PHIL	A	5000	0.71	12.25	9.85	8.55

## COPPER RIVET

SIZE	DB	RIVET	MANDREL	STD.	LBS.	BRKN CTN	PRICE PER M	
	PART #	MATERIAL	MATERIAL	CTN.	PER M		FULL CTN	5 + CTNS
1/8" X 1/4"	MA-CB44B	COPPER	BRASS	10000	3.7	120.35	97.05	84.38

**TABLE 1**

"+ Corroded End (anodic, or least noble)

Magnesium
Magnesium alloys
Zinc
Aluminum 1100
Cadmium
Aluminum 2024-T4
Steel or Iron
Cast Iron
Chromium - Iron (active)
Ni-Resist cast iron
Type 304 Stainless (active)
Type 316 Stainless (active)
Lead tin solders
Lead
Tin
Nickel (active)
Inconel nickel-chromium alloy (active)
Hastelloy Alloy C (active)
Brasses
Copper
Bronzes
Copper-nickel alloys
Monel nickel-copper alloy
Silver solder
Nickel (passive)
Inconel nickel-chromium alloy (passive)
Chromium-iron (passive)
Type 304 Stainless (passive)
Type 316 Stainless (passive)
Hastelloy Alloy C (passive)
Silver
Titanium
Graphite
Gold
Platinum

**Roofing**  
 < -- **Material**  
 < -- **Screw**  
**Material**

### Galvanic Corrosion

Similar metals are compatible; dissimilar metals are not. When dissimilar metals contact in the presence of an electrolyte, a galvanic action occurs which causes one of the metals to corrode at a much faster than normal rate, while the other corrodes more slowly, if at all. The rate, location and extent of corrosion depends on three factors-

- The difference in electrical potentials
- The conductivity strength of The corroding medium, and
- The relative sizes of The contacting areas.

All metals have electrical potentials. Through research, the potentials of different base metals and their alloys, when exposed to sea water, were measured and then ranked into a series. In an electrical couple, the metal of higher electrical potential is the cathode (-), that of the lower the anode (+). Current flows from the cathode to the anode, from the anode through the electrolyte (corroding medium), and back to the cathode. Corrosion occurs at the point the current leaves the anode to enter the electrolyte. When dissimilar metals contact, the anode corrodes, the cathode survives.

### Galvanic Series

Table 1 presents the Galvanic Series of Metals and Alloys. The various metals are grouped. Those within the same group are reasonable compatible when used together; those from different groups cause a corrosion problem. Some metals, basically those with significant contents of nickel and chromium, are included in the series both in their active and passive conditions. Passivation (surface cleaning and sealing) lowers the metal's electrical potential and improves its corrosion behavior.

*Insert taken from "Fastener Standards" 6th Edition  
 page B 33-34  
 Industrial Fastener Institute 1988*

"-- Protected End (cathodic, or most noble)

# FAB-LOK<sup>®</sup>

## FAB-LOK<sup>®</sup> CARBON STEEL SCREW, ALUMINUM SLEEVE

CARBON STEEL, ZINC PLATED, #10-24 HWH MACHINE SCREW. ASSEMBLED TO A 5/8" 12 POINT HEAD ALUMINUM SLEEVE, AND EPDM SEALING WASHER.

SIZE	GRIP	PENETRATION	STD.	LBS.	PRICE PER C		
	RANGE	LENGTH	CTN.	PER C	BRKN CTN	FULL CTN	5 + CTNS
FAS-10-4	.062" - .250"	1.373"	1,000	11.0	90.75	78.90	68.60
FAS-10-8	.250" - .500"	1.612"	1,000	12.0	94.90	82.50	71.70
FAS-10-12	.500" - .750"	1.807"	1,000	13.5	113.25	98.45	85.60

## FAB-LOK<sup>®</sup> STAINLESS STEEL SCREW, ALUMINUM SLEEVE

STAINLESS STEEL, ZINC PLATED, #10-24 HWH MACHINE SCREW. ASSEMBLED TO A 5/8" 12 POINT HEAD ALUMINUM SLEEVE, AND EPDM SEALING WASHER.

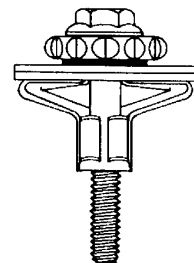
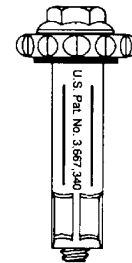
SIZE	GRIP	PENETRATION	STD.	LBS.	PRICE PER C		
	RANGE	LENGTH	CTN.	PER C	BRKN CTN	FULL CTN	5 + CTNS
FAC-10-4	.062" - .250"	1.373"	1,000	11.0	122.05	106.10	92.25
FAC-10-8	.250" - .500"	1.612"	1,000	12.0	138.15	120.10	104.40
FAC-10-12	.500" - .750"	1.807"	1,000	13.5	154.95	134.70	117.10

FAB-LOK<sup>®</sup> IS A CARBON OR STAINLESS STEEL THREADED MACHINE SCREW MECHANICALLY JOINED TO A SLOTTED RIVET SLEEVE. SLEEVE IS ALUMINUM. A 1/2" OD EPDM COMPOSITION WASHER PROVIDES A POSITIVE SEAL.

FAB-LOK<sup>®</sup> IS INSERTED INTO A 5/16" HOLE (HOLE SIZE IS NOT CRITICAL) AND IS INSTALLED WITH A POWER DRIVER EQUIPPED WITH A FAB-LOK HOLDING SLEEVE. AS THE SCREW TURNS, THE SLEEVE IS DRAWN UP INTO FOUR CLAMPING TINES WHICH PROVIDE THE HOLDING POWER.

### PERFORMANCE TESTS

SINGLE SHEAR STRENGTH	CLAMPING FORCE
AVG. SHEAR 2400 LBS.	MAXIMUM 900 LBS. RESIDUAL 860 LBS.



### COMPARISON - FAB-LOCK<sup>®</sup> & SHEET METAL SCREW

SHEET MATERIAL	FAB-LOK FAS-10-4	#14 SHEET METAL SCREW
STRIP TEST IN .032 ALUM	75 INCH-LBS.*	65 INCH-LBS.*
STRIP TEST 26 GAUGE STEEL	75 INCH-LBS.*	45 INCH-LBS.*
STRIP TEST IN 24 GAUGE STEEL	75 INCH-LBS.*	55 INCH-LBS.*

\* FAB-LOK<sup>®</sup>, even when stripped, retains a residual clamp-up and remains effective. Sheet metal screws are loose when stripped.

FAB-LOK<sup>®</sup> is a registered trademark of Camcar Textron.