

# “Specialty Fastening Systems Solutions for the Construction Industry”



## BI-METAL SCREWS

- Drywall / Denseglass
- Steel Framing
- Exterior Sheathing
- Plank / Panel Sidings
- Steel Decking



SELF DRILLING SCREWS IN STAINLESS STEEL SUS304



( 888 ) 869 - 3336

[www.titanfastening.com](http://www.titanfastening.com)

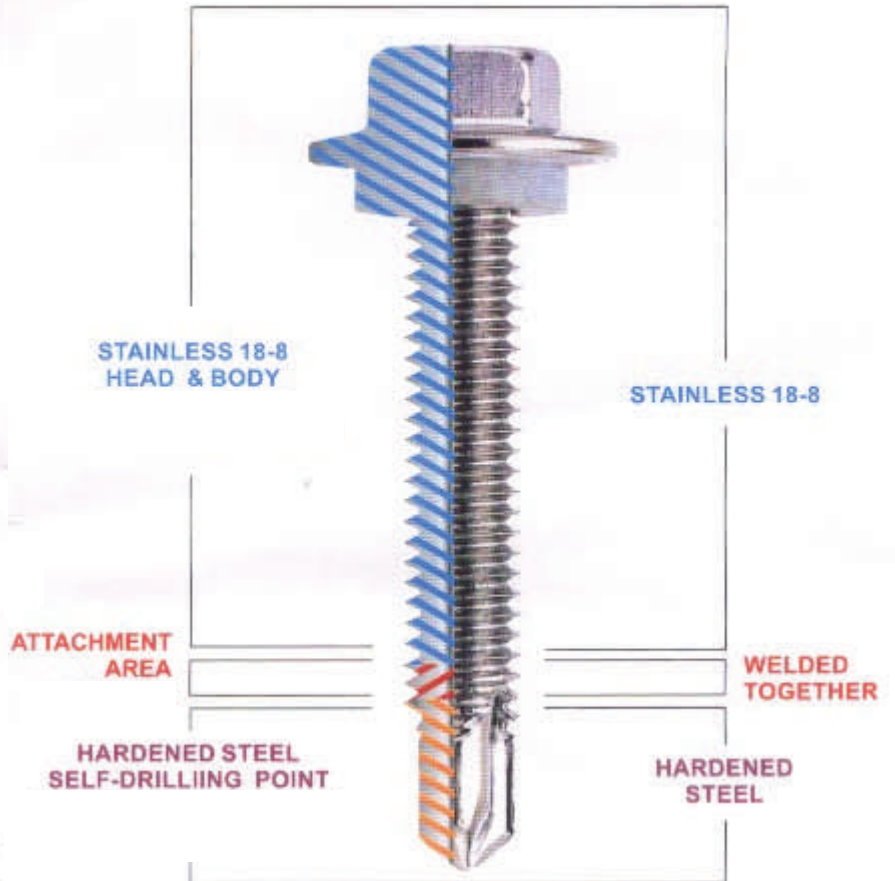
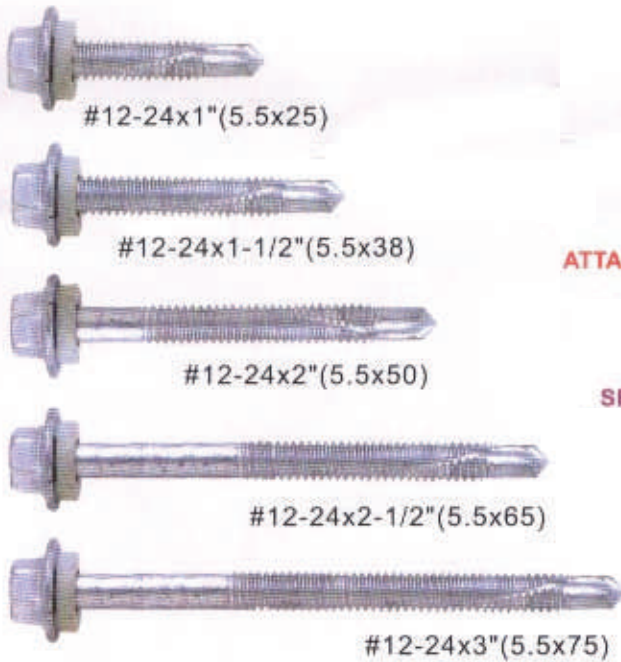


# STEEL FRAMING

## TITAN® BI-METAL Screws

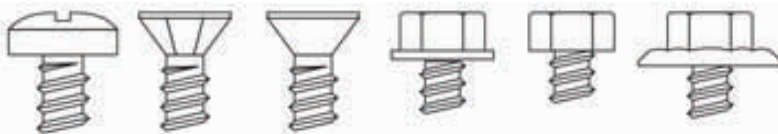
### SELF-DRILLING SCREWS IN STAINLESS STEEL (SUS304)

Self-Drilling Screws made out of Chromium-Nickel Steel (A2) with a Hardened Drill Point.



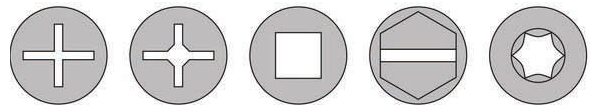
Meets or exceeds ASTM C - 1513, ASTM C - 954 and ANSI / ASME 18.6.4.  
 Self Drill Point is manufactured to SAE J78 specifications. For steel to steel connection. Recommended steel thickness from 10 ga. to 16 ga.

#### Head Type



Pan Head    Flat w/ Serrations    Flat Head    Hex Washer Head    Hex Head    Hex Washer Flange Head

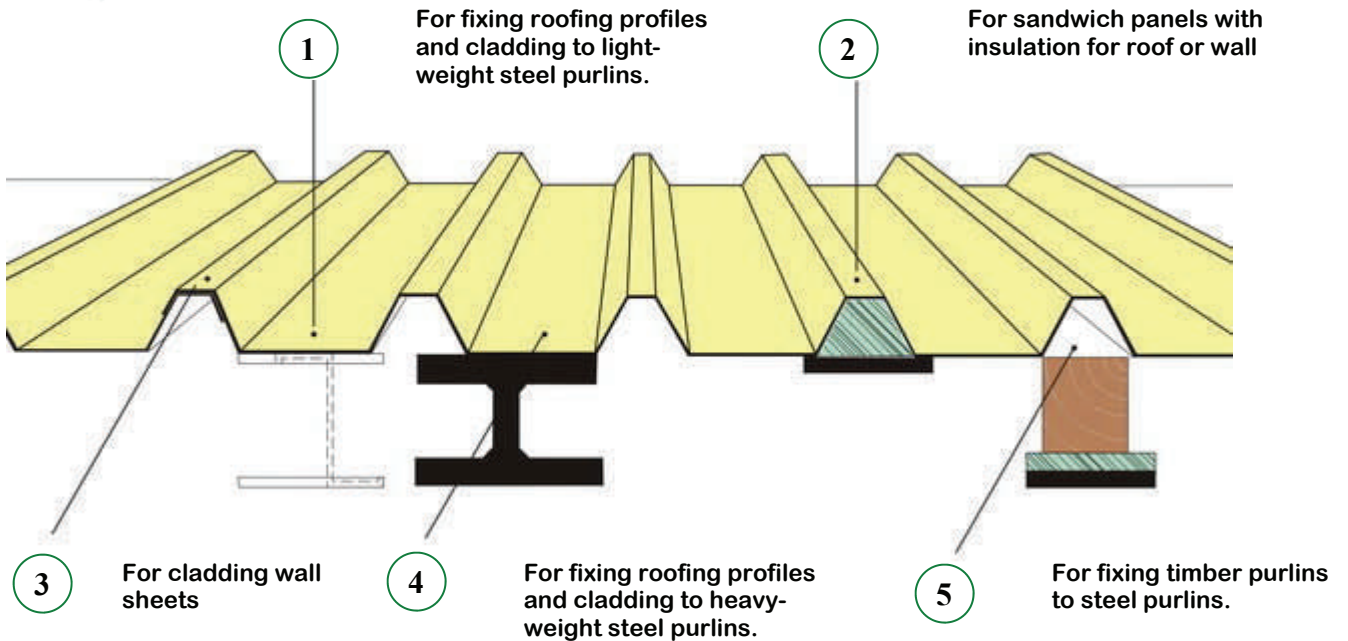
#### Recess Type



Cross Recess    Quadrex Recess    Square Recess    Slotted Recess    Torx Recess

All products manufactured for TITAN Fastening Systems are of a non-chemically hazardous nature.

### STEEL STRUCTURE OF APPLICATION ROOF / WALL SURFACE:



### Drill Point Capabilities

	Thread Diam. (mm)	Torsion (Kg-cm)	Thickness of Sheet (mm)	Drill Speed (rpm)
TCP 1	4.8	65	1+1	2500
	5.5	105	1+1	2500
	6.3	164	1+1	2500
TCP 2	4.8	65	3	2500
	5.5	105	3	2500
	6.3	164	3	2500
TCP 3	4.8	65	4	2500
	5.5	105	6	2500
	6.3	164	6	2500
TCP 5	5.5	105	12	1800

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# WOOD TO STEEL

## TITAN® COLLATED BELT SCREWS

### SELF-DRILLING SCREWS IN STAINLESS STEEL (SUS304)

Self-Drilling Screws made out of Chromium-Nickel Steel (A2) with a Hardened Drill Point.

#### Applications:

- Exterior fiber cement cladding to steel
- Exterior Trim to heavy gauge steel
- Fiber cement plank/panel to steel

Mod-Wafer Head w/ Ribs  
#2 Square Drive  
Self Drill Point w/ Wings  
Ruspert Coating



BSDW8114B2S #8 x 1-1/4"  
BSDW8158B2S #8 x 1-5/8"

Meets or exceeds ASTM C – 1513, ASTM C - 954 and ANSI / ASME 18.6.4.

Mod-Wafer Head w/ Ribs  
#2 Square Drive  
Self Drill Point  
Ruspert Coating

Self Drill Point is manufactured to SAE J78 specifications. For steel to steel connection.

BSDW8258B2S #8 x 2-5/8"  
BSDW8300B2S #8 x 3"

Recommended steel thickness from 12 ga. (.105") to 16 ga. (.060")



#### Product Features:

- Mod-Wafer head provides a flat bearing surface
- Ribs under the head provides a locking function when the head is driven flush to the work surface.
- Forged self drill point provides consistent drill times.
- Bi-Metal fusion technology provides self drill stainless screws to heavy gauge steel.

#### Installation Guidelines:

- Recommend a standard 2500 rpm screwgun with depth sensitive nose piece.
- The mod-wafer head is fully driven when the head is flush with the work surface.
- Overdriving may result in failure of the fastener or stripout of the work area.
- Fastener must penetrate beyond the metal a minimum of three thread pitches.

TITAN's **Top Drive auto-feed screw fastening system** offers cost productive solutions for your every application:

- Drywall ( wood / steel )
- Steel Framing
- Sub-Flooring
- Decking
- Fiber-Cement
- Roofing

**TITAN® belt screws fit :**  
Grabber, Hilti, Senco,  
Ryobi, Pam, Makita, Milwaukee tools.

**TITAN® strip screws fit :**  
Quikdrive, Holz-her, tools

**TITAN® coil screws fit :**  
Muro, Holz-her

**TITAN® roll screws fit :**  
Hitachi, Max

**TITANGUARD® 1500 Series** is an acid-resistant, pore-sealing agent chosen to resist corrosive elements.

- Resistant up to 1,500 hours of Salt Spray Tests ASTM B-117
- Resistant to 15 cycles of Acid Rain Test DIN 50018, SFW 2.0L
- All Zinc-plated screws conform to ASTM B-633

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# FASTENING INDUSTRY TERMS GLOSSARY

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## DEFINITIONS:

**ASTM:** American Society of Testing Materials

**ICBO:** International Conference of Building Officials

**ISO:** International Standards Organization

**KESTERNICH TEST:** A test of the corrosion resistance of materials and fasteners which involves repeated condensation and drying cycles. Test results are expressed in the number of cycles of exposure completed without evidence of normal corrosion.

**PULL-OUT RESISTANCE:** Amount of force required to pull a fastener out of a specified thickness of wood or steel.

**SALT SPRAY TEST:** A common testing method to determine the corrosion resistance of plating and finishes. Fasteners and materials to be tested are placed in a fog chamber with an atmospheric mixture of water and sodium chloride that is maintained at 100% humidity. Test results are expressed in hours of exposure without evidence of normal corrosion. Tests are conducted in accordance to ASTM B117.

**SHEAR STRENGTH:** Measure of the force that when applied at a right angle, will break a fastener.

**ULTIMATE LOAD:** A load that during a controlled test, produced complete failure of the fastener.

## FINISHES:

**CLEAR ZINC:** A silver-colored plating that inhibits rust, usually used on fasteners for lath to steel and steel to steel applications.

**TITANGUARD®:** A specially formulated plating for corrosion protection rated @ 1500 SST Hrs. on exterior grade fasteners

**YELLOW ZINC:** A yellow/gold plating used on fasteners designed for interior applications when appearance is a concern,

**BLACK/GRAY PHOSPHATE:** A black / gray colored plating commonly used for drywall applications.

## WARRANTY:

TITAN Fastening Systems warrants its products to conform to TITAN's published specifications. The user shall determine the suitability of the product for their particular application. THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE NOT EXPRESSLY SET FORTH HEREIN. TITAN and any seller's liability for damage hereunder shall not exceed the purchase price of the product. IN NO EVENT SHALL MANUFACTURER OR SELLER BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PRODUCT BY BUYER, BUYER'S USER, OR ANY OTHER PERSON. Notification of any claim must be sent in writing to TITAN Fastening System. The notice should contain a statement as to how the product failed to meet our warranty, the proof of purchase, and the amount claimed.

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# TITAN FASTENING SYSTEMS, LLC

## TOP DRIVE



AUTO FEED SCREW FASTENING SYSTEM

[www.titanfastening.com](http://www.titanfastening.com)

### HAWAII OFFICE

92-6000 PUAPAKE STREET  
SUITE 100  
KAPOLEI, HAWAII 96707

PHONE: (808) 520-4125  
FAX: (808) 356-0368

TOLL FREE PHONE: (888) 869-3336  
TOLL FREE FAX: (866) 933-9995

EMAIL: [support@titanfastening.com](mailto:support@titanfastening.com)

“REDEFINING CUSTOMER SUPPORT SERVICE IN THE CONSTRUCTION FASTENERS INDUSTRY”