

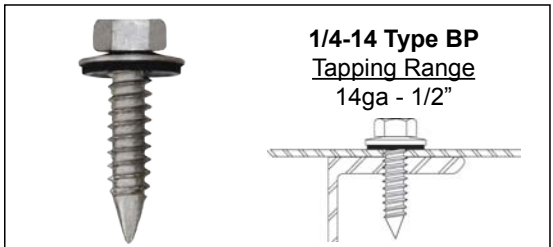
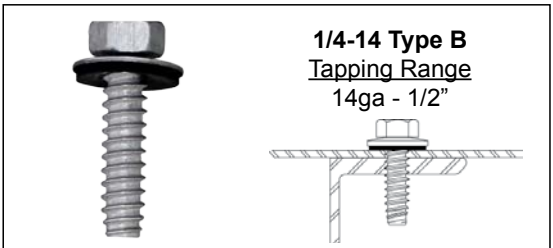
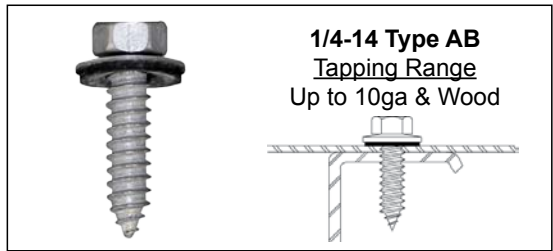
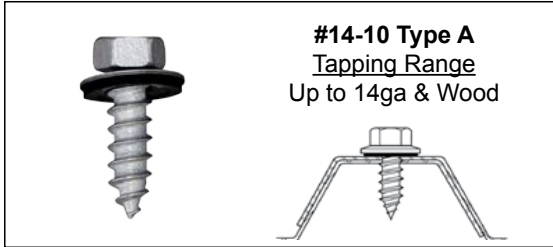


CARBON STEEL & STAINLESS STEEL SELF-TAPPING SCREWS

You want'em... we got'em!

We stock the largest section of self-tapping "sheeting" screws in USA!

- Select from carbon steel, 304 stainless steel, 410 stainless steel, zinc cap head or stainless steel cap head.
- Available with and without BOND-SEAL sealing washers.
- Available with TRI-SEAL® long life coating providing over 1,000 hours salt spray resistance (ASTM B117).
- Lengths up to 8" long!
- Can be painted with our KALIDA-KOTE™ paint process to match your specific color.



Used for alignment into structure.



Need a Back-out Resistant Tapping Screw?

VRT® Technology produces 3-1/2 times more back-out resistance than a standard thread. Supplied with TRI-SEAL™ long life coating.

Sizes (X = Available)

Description	Point Type	Carbon Steel	304 Stainless Steel	410 Stainless Steel	Stainless Cap Head	Zinc Cap Head	Box Qty.	Wgt. Per M
#14-10 x 3/4"	Type A	X	X				2,500	10.8
#14-10 x 1"	Type A	X	X			X	2,500	14.2
#14-10 x 1-1/2"	Type A	X	X			X	1,500	19.1
#14-10 x 2"	Type A	X	X				1,000	23.4
#14-10 x 2-1/2"	Type A	X	X				1,000	28.1
#14-10 x 3"	Type A	X	X				500	34.1
#14-10 x 4"	Type A	X	X				500	45.5
#14-10 x 5"	Type A	X	X				300	52.8
#14-10 x 6"	Type A	X	X				250	60.1
1/4-14 x 3/4"	Type AB	X	X		X	X	2,500	12.5
1/4-14 x 1"	Type AB	X	X	X	X	X	2,500	14.9
1/4-14 x 1-1/2"	Type AB	X					1,500	19.7
1/4-14 x 1-3/4"	Type AB		X				2,000	23.4
1/4-14 x 1"	Type B	X	X				2,500	14.1
1/4-14 x 1-1/2"	Type B	X	X				1,500	19.5
1/4-14 x 2"	Type B	X	X				1,000	23.1
1/4-14 x 2-1/2"	Type B	X	X				1,000	29.0
1/4-14 x 3"	Type B	X	X				500	33.3
1/4-14 x 4"	Type B	X	X				500	43.4
1/4-14 x 5"	Type B	X	X				300	53.5
1/4-14 x 6"	Type B		X				250	62.2
1/4-14 x 8"	Type B		X				200	81.0
1/4-14 x 1"	Type BP		X				2,000	17.0
1/4-14 x 1-3/4"	Type BP		X				2,000	23.4
#17-14 x 1"	Type AB	¹ X	X		¹ X	X	2,000	18.9
#17-14 x 1-1/2"	Type AB	X	X		X	X	1,500	28.4

¹Available with VRT® technology.

Refer to the back for technical information and drill bit size.

Screwgun Speed: 1,000 rpm maximum

Oversize or special sealing washers available!

Available Head Styles



3/8" Hex Head (Standard)



3/8" Hex Washer Head (#17-14 VRT® Only)



3/8" Zinc Cap Head



5/16" Stainless Cap Head



Fastener Data and Submittal Sheet



Material Information

Product: TFC Tapping Screws
General Specification: ANSI B18.6.4, AC 118)

Material: C 1018 / C 1022
410 Stainless Steel

Heat Treat: Case Hardened

Finish: .0003" Zinc Plated - 24 hrs salt spray /
No red rust
Optional: TRI-SEAL Coated – 1,000 hrs
salt spray / No red rust

Material: Type 304 Stainless Steel (18-8)

Heat Treat: None

Finish: Type B & BP: .0003" Min. Cad Plating (For lubricity)

Type A & AB: .0003" Min. Zinc Plating (For lubricity)

Salt Spray: >2,000 hrs / No red rust

Application and Description

Carbon Steel Screws

These general purpose screws are designed for normal atmospheric conditions. They should not be used in heavy industrial applications or close proximity to the ocean where corrosion can occur. They are case hardened and can tap up to 1/2" thick steel using the appropriate hole size listed on this sheet.

410 Stainless Steel Screws

These screws can be used in mild atmospheres, steam, and many mild chemical environments. They provide superior strength and are plated or coated to provide lubricity during tapping. 410 screws may show signs of red rust but will not rust as quickly as carbon steel screws. Not recommended for use in aluminum connection. Expansion of the aluminum may stress the screw to failure due to its brittleness.

304 Stainless Steel Screws

These screws are used in applications that require superior corrosion resistance or ductility. The chromium in the material reacts with oxygen forming a thin, invisible, non-reactive chromium oxide film. It is resistant to ordinary rusting in wastewater treatment, food-processing environments, and a wide variety of chemicals. 304 stainless steel screws are slightly magnetic caused during head and thread forming. They are not heat treated and are plated to provide lubricity that helps minimize thread roll-over caused during tapping.

Pressure Treated or Fire Treated Wood Connections

Screw made of 410 or 300 series stainless steel is recommended. Carbon steel screws must be hot dipped galvanized or TRI-SEAL coated. Do not use standard, zinc plated, carbon steel screws.

Sealing Washer Information

Carbon Steel Screws: 15MM O.D. Galvanized Steel / EPDM.

Stainless Steel Screws: 15MM O.D. Stainless Steel / EPDM.

#17 with VRT® Screws: 3/4" O.D. Galvanized Steel / EPDM.

Zinc Cap Head and Stainless Cap Head: 5/8" O.D. Head / EPDM.

Mechanical Properties

Screw Type	Major Dia.	Torsional Lb-in.	Material	Tensile Lbs.	Shear Lbs.
#14-10 Type A	.235"	125	Carbon Steel	3,150	2,150
	.246"		304 SS	2,925	1,925
1/4-14 Type AB & B	.237"	150	Carbon Steel	3,850	2,575
	.246"		304 SS	3,700	2,800
#17-14 Type AB	.280"	170	Carbon Steel	5,890	3,285
	.290"		304 SS	5,200	3,125

Hole Size and Pullout Values



Screw Type	DRILL BITS SIZES													
	26ga (.018")	24ga (.024")	22ga (.030")	20ga (.036")	18ga (.048")	16ga (.060")	14ga (.075")	12ga (.105")	1/8" (.125")	10ga (.134")	3/16" (.187")	1/4" (.250")	3/8" (.375")	1/2" (.500")
#14-10 Type A	1/8"	5/32"			3/16"			Not recommended						
1/4-14 Type AB	1/8"	5/32"			3/16"			#7		Not recommended				
1/4-14 Type B	Not recommended					3/16"		#7		#1				
1/4-14 Type BP	Not recommended					3/16"		#7		#1				
#17-14 Type AB	3/16"				1/4"				Not recommended					

Use 135° split point drill bits for optimal performance.

Screw Type	PULLOUT Average Ultimate - Pounds														
	26ga (.018")	24ga (.024")	22ga (.030")	20ga (.036")	18ga (.048")	16ga (.060")	14ga (.075")	12ga (.105")	1/8" (.125")	10ga (.134")	3/16" (.187")	1/4" (.250")	5/16" (.375")	3/8" (.312")	1/2" (.500")
#14-10 Type A	270	363	363	459	657	1,194	1,368	1,780	1,812						
1/4-14 Type B	216	344	344	411	541	686	983	1,698	2,242	2,855	2,693	3,695	3,746	3,784	3,790
1/4-14 Type AB															
1/4-14 Type BP															
#17-14 Type AB	410			522		805	996								

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.