



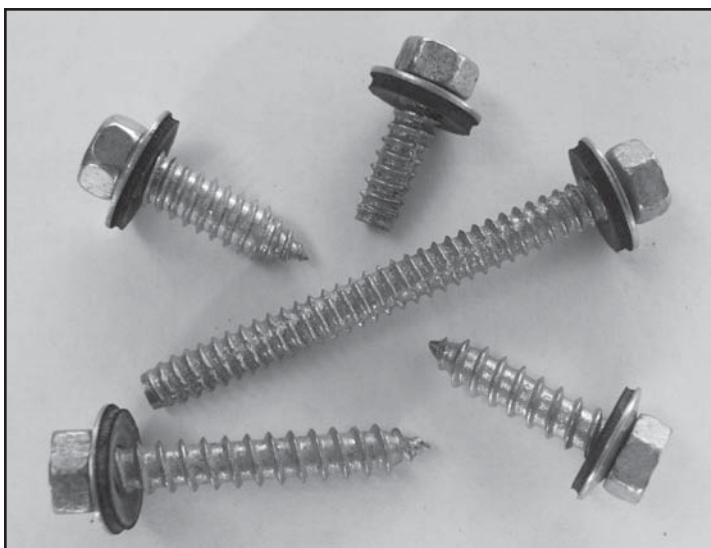
## 304 STAINLESS STEEL SELF-TAPPING SCREWS

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

Triangle Fastener Corporation stocks a full line of 304 stainless steel tapping screws for a variety of applications.

Our 304 stainless steel tapping screws provide exceptional corrosion resistance, ductility and high strength. We coat our type AB & B screws with a special plating to minimize thread rollover when tapping high tensile steel.

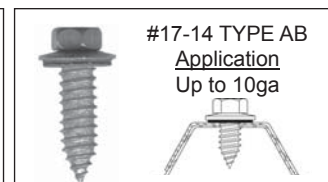
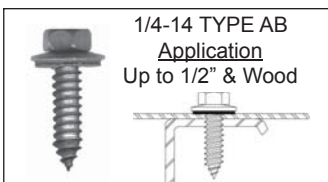
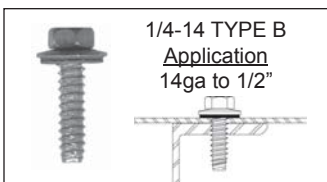
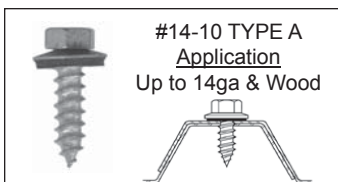
We can also supply the correct drill bits and power tools to assure proper fastening.



- **304 Stainless Steel for optimal corrosion resistance**
- **Assembled with 15MM O.D. Stainless Steel BOND-SEALER washer provides excellent seal in harsh environments.**
- **Special plating on Type AB and B to minimize thread rollover.**
- **Preferred fastener for ACQ treated lumber applications.**

**Contact TFC...  
When you "NEED-IT-NOW!"**

**We stock the largest selection of lengths in the industry!**



#14-10 TYPE A		
Length	Box Qty	Wgt. / M
3/4"	2,500	10.8
1"	2,500	14.2
1-1/2"	1,500	19.1
2"	1,000	23.4
2-1/2"	1,000	28.1
3"	500	34.1
4"	500	45.5
5"	300	52.8

1/4-14 TYPE B		
Length	Box Qty	Wgt. / M
1"	2,500	14.1
1-1/2"	1,500	19.5
2"	1,000	23.1
2-1/2"	1,000	29.0
3"	500	33.3
4"	500	43.4
5"	300	53.5
6"	250	62.2

1/4-14 TYPE AB		
Length	Box Qty	Wgt. / M
3/4"	2,500	12.5
1"	2,500	14.9
1-1/2"	1,500	19.7

#17-14 TYPE AB		
Length	Box Qty	Wgt. / M
1"	2,000	18.9

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



### NEED A BACK-OUT RESISTANT TAPPING SCREW?

Specify our carbon steel #17 x 1" Type AB with VRT® Technology. It produces 3-1/2 times more back-out resistance than a standard thread. Supplied with TRI-SEAL™ long life coating.



## FASTENER DATA AND SUBMITTAL SHEET



**PRODUCT:** TFC Tapping Screws (ANSI B18.6.4 , AC 118)

**MATERIAL:** 304 Stainless Steel

**MATERIAL PROPERTIES**

- Cold Worked
- Tensile: 103,000 psi min.
- Yield: 86,000 psi min.
- Slightly magnetic after cold worked.

**FINISH**

- Type B : .0003" Min. Cad Plating
- Type A & AB : .0003" Min. Zinc Plating
- Salt Spray: >2,000 hrs no red rust

**APPLICATIONS:** Type 304/304L stainless may be considered for use in a wide range of food processing, dairy and dyeing industry applications such as pipelines, buckets, sterilizers and other types of preparation and processing equipment.

**CORROSION RESISTANCE:** Annealed Project 70+ Type 304/304L stainless has proven to be resistant to atmospheric corrosion, foodstuffs, sterilizing solutions, many organic chemicals and dyestuffs, and a wide variety of inorganic chemicals.

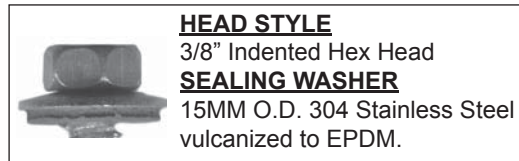
Important Note: The following 5-level rating scale is intended for comparative purposes only. Corrosion testing is recommended; factors which affect corrosion resistance include temperature, concentration, pH, impurities, aeration, velocity, crevices, deposits, metallurgical condition, stress, surface finish and dissimilar metal contact.

NOTE: Applications and corrosion resistance information taken from Carpenter Technologies ALLOY DATA sheet. Copyright 2005 CRS Holdings Inc. All rights reserved.

Environment	Corrosion Resistance
Nitric Acid	Good
Sulfuric Acid	Moderate
Phosphoric Acid	Moderate
Acetic Acid	Moderate
Sodium Hydroxide	Moderate
Salt Spray (NaCl)	Good
Sea Water	Restricted
Sour Oil/Gas	Moderate
Humidity	Excellent

**MECHANICAL PROPERTIES**

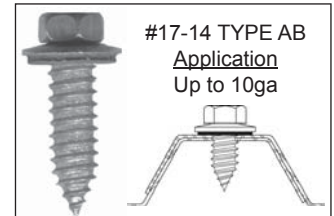
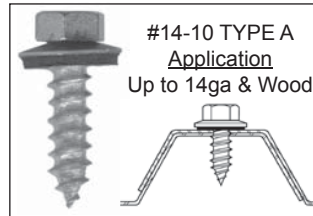
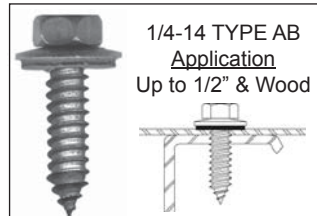
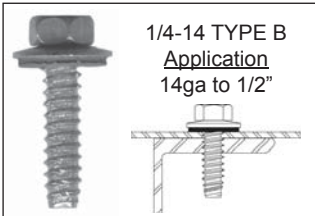
Screw Type	Nominal Dia.	Torsional	Tensile	Shear
#14-10 TYPE A	.250"	125 in-lb	2,925 lbs.	1,925 lbs.
1/4-14 TYPE AB	.245"	150 in-lb	3,700 lbs.	2,800 lbs.
1/4-14 TYPE B	.245"	150 in-lb	3,700 lbs.	2,800 lbs.
#17-14 TYPE AB	.285"	170 in-lb	5,200 lbs.	3,125 lbs.



Fasteners can be painted to match your specific color.  
Contact TFC for pricing and availability.

**INSTALLATION INFORMATION**

**SCREWGUN SPEED:** 1,000 rpm maximum



**DRILL BITS**

Use 135° split point drill bits for optimal performance.

#14-10 Type A 1/4-14 Type AB & B			#17-14 Type AB		
Steel Thickness	Point Types	Drill Bit	Steel Thickness	Point Type	Drill Bit
26ga (.018")	A, AB	1/8"	26ga (.018")	AB	3/16"
24ga (.024")	A, AB	1/8"	24ga (.024")	AB	3/16"
22ga (.030")	A, AB	5/32"	22ga (.030")	AB	3/16"
20ga (.036")	A, AB	3/16"	20ga (.036")	AB	3/16"
18ga (.048")	A, AB	3/16"	18ga (.048")	AB	1/4"
16ga (.060")	A, AB, B	#10	16ga (.060")	AB	1/4"
14ga (.075")	A, AB, B	#8	14ga (.075")	AB	1/4"
12ga (.105")	A, AB, B	#8	12ga (.105")	AB	1/4"
1/8" (.125")	A, AB, B	#8	1/8" (.125")	AB	1/4"
10ga (.134")	AB, B	#8	10ga (.134")	AB	1/4"
3/16" (.187")	AB, B	#1			
1/4" (.250")	AB, B	#1			
3/8" (.375")	AB, B	#1			
1/2" (.500")	AB, B	#1			

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.



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