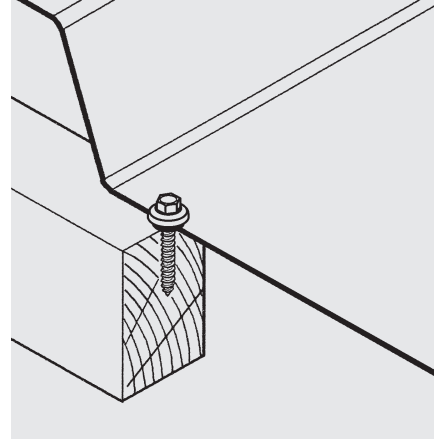
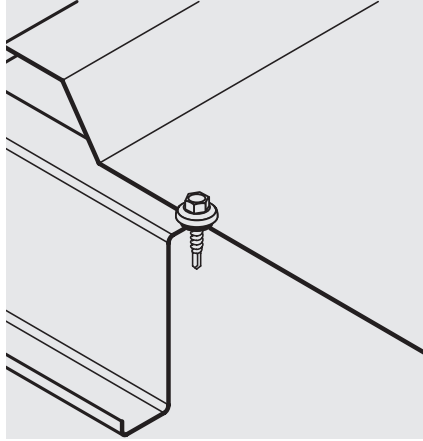


1/4-14 ZAC[®] Type AB Self-Tapping Metal to Wood or Metal Fastener



Features and Benefits

- Zinc alloy cap head that will never red rust
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener limited warranty

Application

Metal panel to medium metal applications or metal panel to wood applications

Product Selection

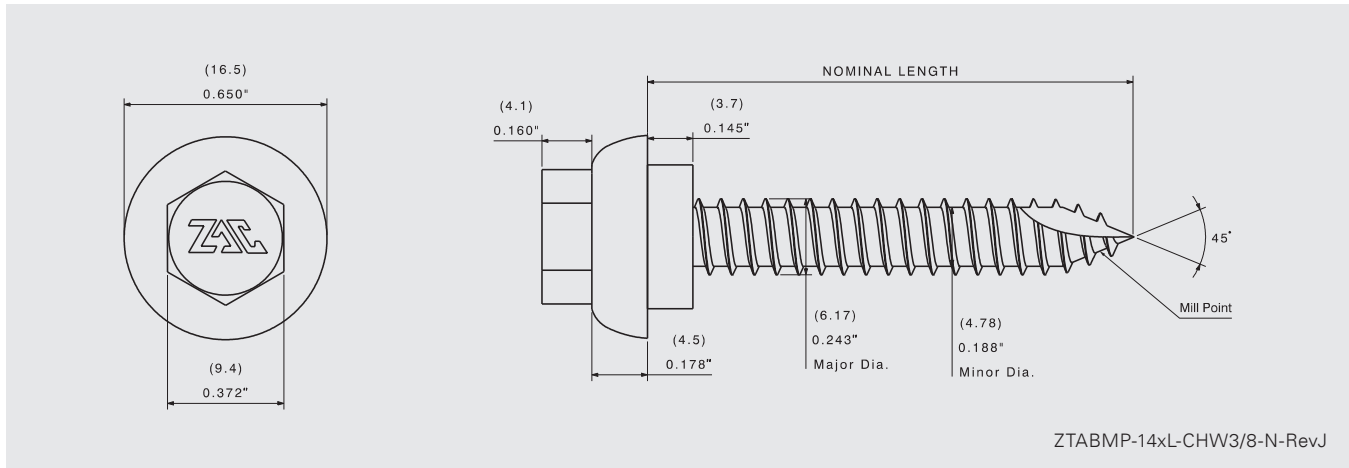
Material No.	Fastener Length	Thread* Length	Description	Carton Wt. (lbs.)	Carton Qty.
784403	1"	Full	ZTABMP-#14x1-CHW3/8-N	44	2,000
784552	1-1/2"	Full	ZTABMP-#14x1-1/2-CHW3/8-N	42	1,500
784691	2"	Full	ZTABMP-#14x2-CHW3/8-N	33	1,000
784654	2-1/2"	Full	ZTABMP-#14x2-1/2-CHW3/8-N	38	1,000

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from tip of point to top of the threads.



1/4-14 ZAC[®] Type AB Self-Tapping Metal to Wood or Metal Fastener



ZTABMP-14xL-CHW3/8-N-RevJ

Product Specifications

Diameter:	1/4" (6.17 mm)	Drill Point:	Type AB Milled Point
Threads Per Inch:	14	Drill Capacity:	0.044"–0.110" (1.12 mm - 2.79 mm)
Head Style:	3/8" dia. HH AF (9.4 mm)	Thread Major Dia:	0.243" (6.17 mm)
Washer:	EPDM sealing washer	Thread Minor Dia:	0.188" (4.78 mm)

Performance Data^{1,2,3}

Material Strength

Tensile	3800 lbf / 16903 N
Shear	2560 lbf / 11387 N
Torsional	142 lbf-in / 16.04 N-m

Pull Out Strength Steel

16 Ga (1.5 mm):	879 lbf / 3910 N
14 Ga (1.9 mm):	1277 lbf / 5680 N
12 Ga (2.7 mm):	2185 lbf / 9719 N

Pull Out Strength Wood

SPF 1" penetration	697 lbf / 3100 N
SPF 1-1/2" penetration	1038 lbf / 4617 N
3/4" Plywood	619 lbf / 2753 N
5/8" Plywood	425 lbf / 1890 N
1/2" Plywood	335 lbf / 1490 N

Pull Over Strength Steel

26 Ga (0.5 mm):	616 lbf / 2740 N
24 Ga (0.6 mm):	884 lbf / 3932 N
22 Ga (0.8 mm):	1079 lbf / 4799 N

¹ Pull out values based on 45 ksi cold formed sheet metal.

² SFS 5625.19, 4812.11, 4381.07, 5057.19

³ S-120, SB3

Installation and Application Considerations

Tools: Metal to metal application: 0–1000 rpm screw gun equipped with depth sensing nose piece. Metal to wood application: 0–2500 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Self-drilling metal thickness: sheet 0.018"–0.030" (0.46 mm–0.72 mm)

Special care needs to be taken when installing #14 Type 17 milled point parts into wood substrate less than 1" in thickness. Stripping or partially stripping the parts out during installation compromises the clamp load and can affect the performance of the part.

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total. Minimum depth penetration into wood substructure: 1" (25.4 mm)

Metal thickness	Drill bit size
0.021"–0.026" (0.53 mm–0.66 mm)	1/8" (3.18 mm)
0.027"–0.050" (0.69 mm–1.27 mm)	5/32" (3.97 mm)
0.051"–0.075" (1.29 mm–1.9 mm)	#8 (5.05 mm)
0.075"–0.110" (1.9 mm–2.79 mm)	#7 (5.11 mm)

The hole size determines installation performance and pull out strength.

Metric values are approximate conversions.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

US
T 800 234 4533
www.sfsintecusa.com

Canada
T 866 847 5400
www.sfsintec.ca