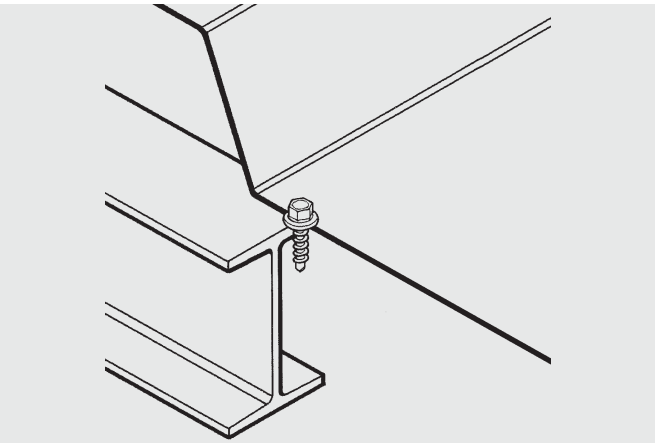
1/4-14 Type AB Self-tapping Metal to Metal Fastener



Features and Benefits

- Zinc plated carbon steel
- Available with no sealing washer or with bond seal washer

Application

Metal panel to medium and heavy gauge metal applications

Product Selection

Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
784286	3/4"	19	Full	0.39"	10	TAB-#14x3/4-H3/8-GB19/32	35	2,500
784520	1"	25	Full	0.64"	16	TAB-#14x1-H3/8-GB19/32	38	2,500
784545	1-1/4"	32	Full	0.89"	23	TAB-#14x1-1/4-H3/8-GB19/32	43	2,500
1295743	1-1/2"	3	Full	1.14"	29	TAB-#14x1-1/2-H3/8-GB19/32	36	2,000

Plain product bulk carton packed, unless otherwise noted.

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

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Metric values are approximate conversions.

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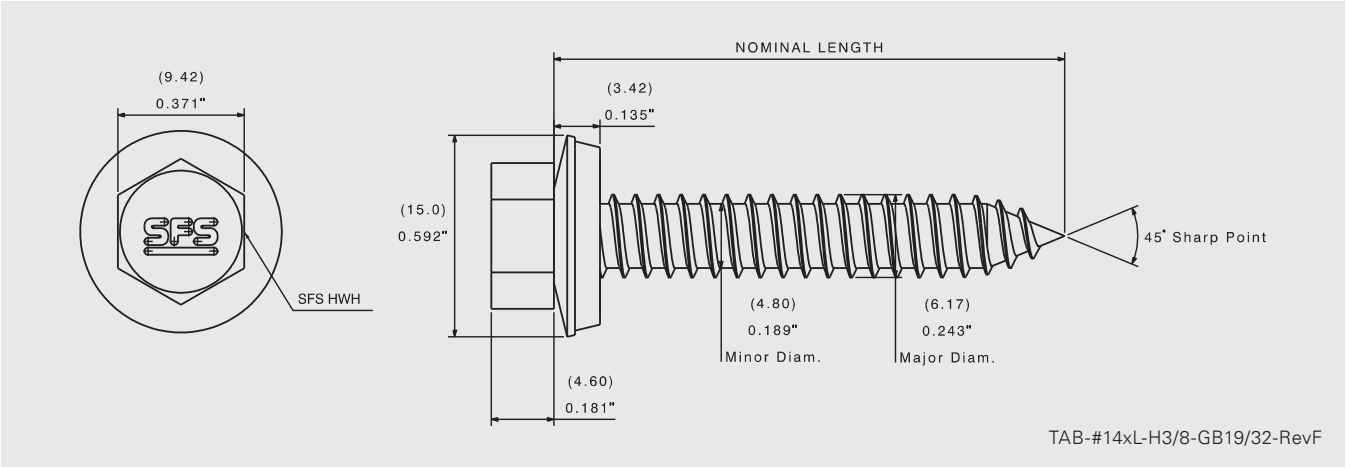

Product Specifications

Diameter:	1/4" (6.17 mm)
Threads Per Inch:	14
Head Style:	3/8" dia. HH AF (9.42 mm)
Washer:	19/32" galvanized and EPDM bond seal (15 mm)
Drill Point:	Type AB
Drill Capacity:	0.044"–0.110" (1.12 mm–2.79 mm)
Thread Major Dia:	0.243" (6.17 mm)
Thread Minor Dia:	0.189" (4.80 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 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]
[3] S-120, SB3

Installation and Application Considerations

Tools: 0–1000 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

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. Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

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