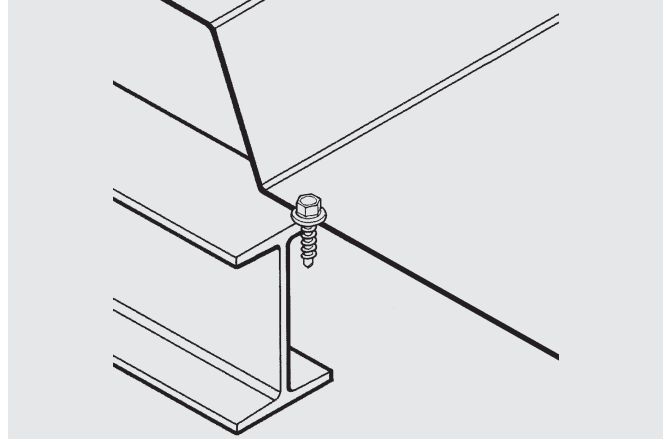


# #1/4-14 Type AB Self-tapping Metal to Metal Fastener



## 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

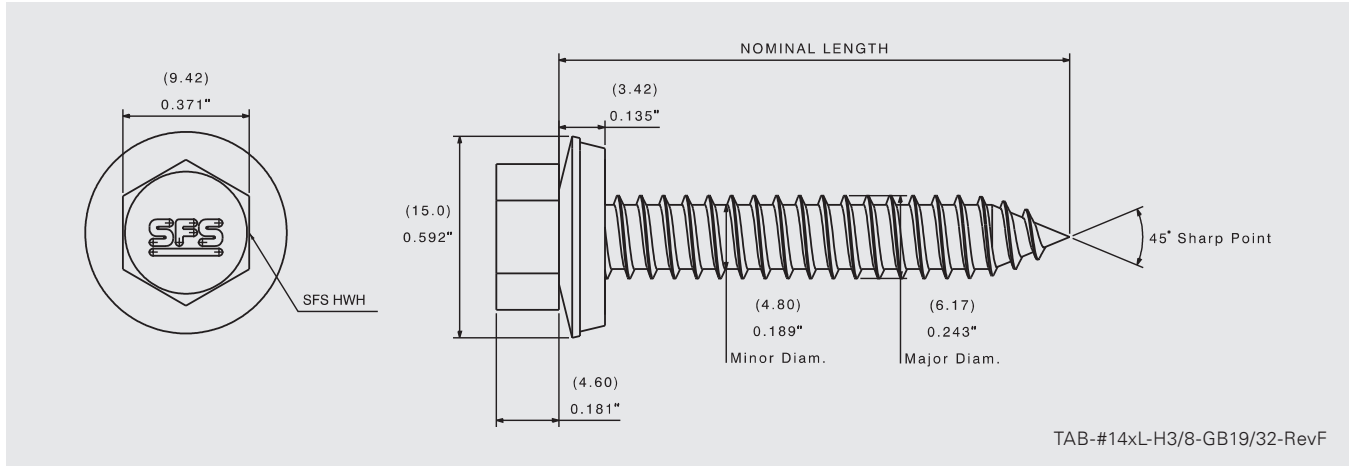
Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
784286	3/4"	Full	TAB-#14x3/4-H3/8-GB19/32	35	2,500
784520	1"	Full	TAB-#14x1-H3/8-GB19/32	38	2,500
784545	1-1/4"	Full	TAB-#14x1-1/4-H3/8-GB19/32	43	2,500
1295743	1-1/2"	Full	TAB-#14x1-1/2-H3/8-GB19/32	36	2,500

Plain product bulk carton packed, unless otherwise noted.

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



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



## 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<sup>1,2,3</sup>

Material Strength		Pull Out Strength Steel		Pull Over Strength Steel	
Tensile	3800 lbf / 16903 N	<b>16 Ga (1.5 mm)</b>	879 lbf / 3910 N	<b>26 Ga (0.5 mm)</b>	616 lbf / 2740 N
Shear	2560 lbf / 11387 N	<b>14 Ga (1.9 mm)</b>	1277 lbf / 5680 N	<b>24 Ga (0.6 mm)</b>	884 lbf / 3932 N
Torsional	142 lbf-in / 16.04 N·m	<b>12 Ga (2.7 mm)</b>	2185 lbf / 9719 N	<b>22 Ga (0.8 mm)</b>	1079 lbf / 4799 N

<sup>1</sup> Pull out values based on 45 ksi cold formed sheet metal.

<sup>2</sup> SFS [5625.19, 4812.11]

<sup>3</sup> S-120, SB3

## Installation and Application Considerations

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

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.

**Use of impact guns or hammer drills is not recommended.**

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

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)

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.

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