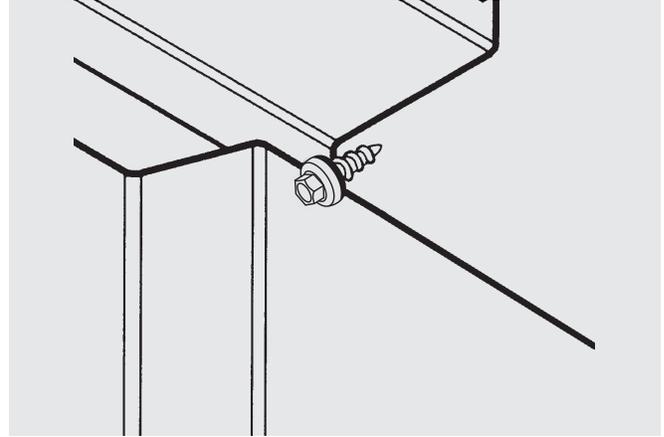


# 1/4-14 Type AB 304SS Self-Tapping Metal to Metal Fastener



## Features and Benefits

- Zinc plated 304 stainless steel for lubricity
- Available with no sealing washer or with stainless bond seal washer

## Application

Metal panel to light and medium gauge metal application for use in high corrosive environments or with dissimilar metals where corrosion resistance and long building life are critical factors.

## Approvals



## Product Selection

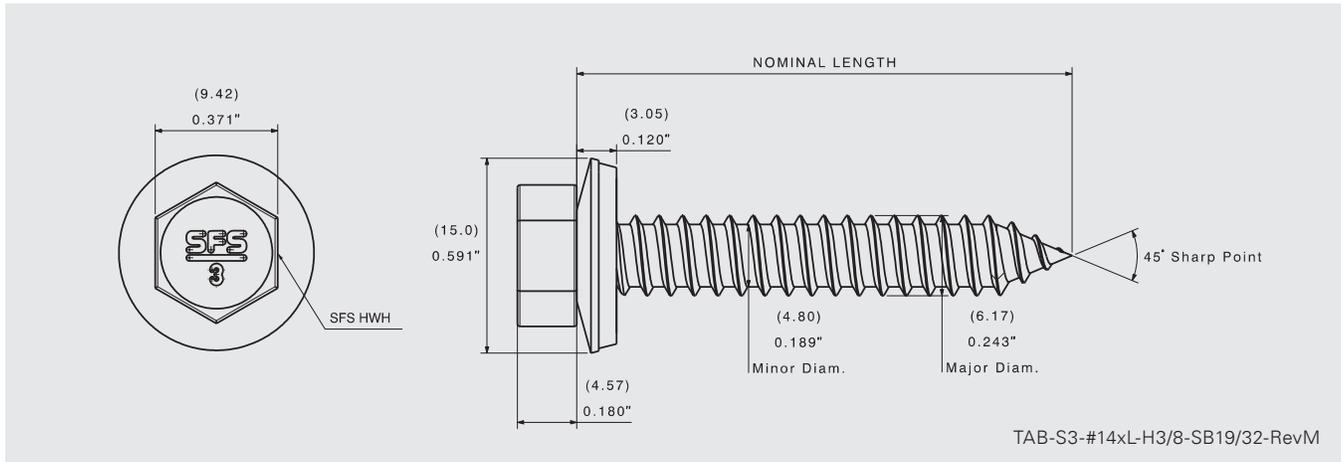
Material No.		Fastener Length		Thread Length*	Load Bearing Length		Description		Carton Wt. (lbs.)	Carton Qty.
No washer	W/washer	in	mm		in	mm	No washer	Washer suffix		
1203799	790659	3/4"	19	Full	0.39"	10	TAB-S3-#14x3/4-H3/8	SB19/32	35	2,500
1145241	790681	1"	25	Full	0.64"	16	TAB-S3-#14x1-H3/8	SB19/32	38	2,500
1202709	790689	1-1/4"	32	Full	0.89"	23	TAB-S3-#14x1-1/4-H3/8	SB19/32	36	2,000
1203157	790701	1-1/2"	38	Full	1.14"	29	TAB-S3-#14x1-1/2-H3/8	SB19/32	42	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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### 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" stainless and EPDM bond seal (15 mm)

Drill Point: Type AB  
Attachment Thickness: 0.044"–0.104" (1.12 mm–2.64 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	
	Ga	Strength	Ga	Strength
Tensile	16 Ga (1.5 mm)	699 lbf / 3109 N	26 Ga (0.5 mm):	648 lbf / 2882 N
Shear	14 Ga (1.9 mm)	1083 lbf / 4817 N	24 Ga (0.6 mm):	908 lbf / 4038 N
Torsional	12 Ga (2.7 mm)	2119 lbf / 9425 N	22 Ga (0.8 mm):	1258 lbf / 5595 N

<sup>1</sup> Pull out values based on 45 ksi cold formed sheet steel.  
<sup>2</sup> SFS 5008.13  
<sup>3</sup> PLK 10903

### 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"–0.104" (1.9 mm–2.64 mm)	#7 (5.11 mm)