

**Tapping Screws — 300 Series  
Stainless Steel**

**Stainless self-tapping — Type A, AB, B**  
*For metal to metal*

- **Stainless steel zinc-plated self-tapping fasteners are designed for attaching metal to metal and metal to wood.**
- **Type B have wax surface treatment for added lubricity.**

- **Stainless tappers are used in high corrosive environments or where corrosion-free performance is required to meet the design life of the project.**

**Application**

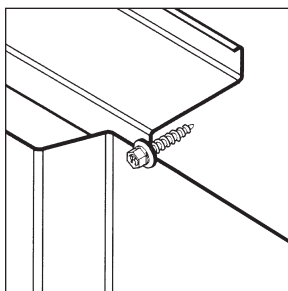
**#14 Type A  
304 Stainless**

**Assembled stainless  
bondSeal  
Metal to metal**

Attachment thickness: .044 – .075

Metal thickness	Drill bit size
.021 – .026	1/8 (.125)
.027 – .050	3/16 (.187)
.051 – .075	#8 (.199)

The hole size determines installation performance and pullout strength. Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total. Min projection: 3/8" of threads below substrate



3/8" AF 304 Stainless Hex Head  
Thread Major Dia: .254 – .248  
Thread Minor Dia: .185 – .178

**Strength (lbs ult.):**  
Tensile: 3370  
Torsional: 125 in-lbs  
Shear: 1520

**Pull-out (lbs ult.):**  
14 ga (.075): 1232  
16 ga (.060): 1110

**Pull-over (lbs ult.):**  
22 ga (.030): 1237  
24 ga (.024): 790  
26 ga (.018): 647

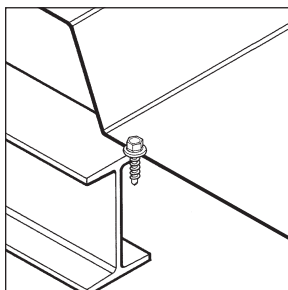
**1/4-14 Type AB and B  
304 Stainless**

**Assembled stainless  
bondSeal  
Metal to metal**

Attachment thickness: .044 – .500

Metal thickness	Drill bit size
AB .021 – .026	1/8 (.125)
AB .027 – .050	5/32 (.156)
AB .051 – .075	#8 (.199)
AB .075 – .104	#7 (.201)
B .065 – .085	#8 (.199)
B .085 – .115	#7 (.201)
B .115 – .375	#1 (.228)
B .375 – .500	#1 or larger, depending on hardness of steel

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total. Min projection: 3/8" of threads below substrate



3/8" AF 304 Stainless Hex Head  
Thread Major Dia: .246 – .240  
Thread Minor Dia: .192 – .185

**Strength (lbs ult.):**  
Tensile: 3800  
Torsional: 142 in-lbs  
Shear: 2350

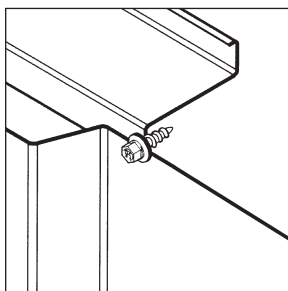
**Pull-out (lbs ult.):**  
12 ga (.105): 2310  
14 ga (.075): 1394  
16 ga (.060): 1250

**Pull-over (lbs ult.):**  
22 ga (.030): 1237  
24 ga (.024): 790  
26 ga (.018): 647

**#17 Type AB  
304 Stainless**

**Strip-out Repair  
Assembled stainless  
bondSeal  
Metal to metal**

Min projection: 3/8" of threads below substrate



3/8" 304 Stainless AF Hex Head  
Thread Major Dia: .295 – .285  
Thread Minor Dia: .220 – .214

**Strength (lbs ult.):**  
Tensile: 5709  
Torsional: 180 in-lbs  
Shear: 3906

**Pull-out (lbs ult.):**  
12 ga (.105): 2375  
14 ga (.075): 939

**Notes**

Dimensions are nominal inches unless noted. Pull-out values (pounds ultimate) are based on 50,000 psi hot rolled steel sheet material. Ultimate values listed are the result of laboratory testing. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

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## Tapping Screws — 300 Series Stainless Steel

## Stainless self-tapping — Type A, AB, B *For metal to metal*

### Selection

Description		Available Lengths (L)		Example Code			
				Type	Material	Diameter	Length
#14 Type A 304SS bondSeal	3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", 7", 8"	TA-	S3-	#14x	1-1/2-	H3/8-	SB19/32
1/4-14 Type AB 304SS bondSeal	3/4", 1", 1-1/4", 1-1/2"	TAB-	S3-	#14x	L-	H3/8-	SB19/32
1/4-14 Type B 304SS bondSeal	3/4", 1", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", 7", 8"	TB-	S3-	#14x	L-	H3/8-	SB19/32
#17 Type AB 304SS bondSeal	3/4", 1", 1-1/2"	TAB-	S3-	#17x	L-	H3/8-	SB19/32

### Installation

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

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

### Options

Painted



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