

Tapping Screws—Stainless Steel

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

- Stainless steel self tapping fasteners are designed for attaching metal to metal and metal to wood.

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

Application

#14 Type A 304 Stainless Metal to metal

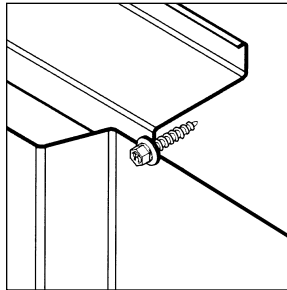
Attachment thickness: .044 – .075

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

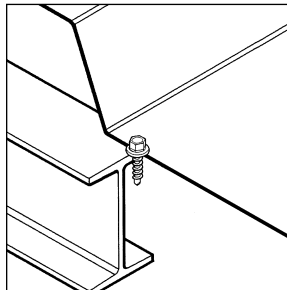
Type AB and B 304 Stainless Metal to metal

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	15/64 (.231)

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

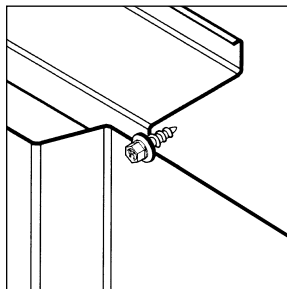
Strength (lbs ult.):
Tensile: 3800
Torsional: 142 in-lbs
Shear: 2350

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 Type A or AB 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

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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Selection

Length	Part No. #14 A Bond Seal	Part No. 1/4 AB & #17 AB Bond Seal	Part No. 1/4 B Bond Seal
3/4"	E0500-HP	E1240-HP	E0860-HP
1"	E0600-HP	E1300-HP	E0880-HP
1-1/4"	E0640-HP	E1310-HP	—
1-1/2"	E0660-HP	E1320-HP	E1000-HP
2"	E0700-HP	—	E1060-HP
2-1/2"	E0720-HP	—	E1080-HP
3"	E0740-HP	—	E1100-HP
3-1/2"	E0760-HP	—	E1120-HP
4"	E0780-HP	—	E1140-HP
5"	E0820-HP	—	E1180-HP
6"	E0840-HP	—	E1200-HP
7"	E0850-HP	—	E1210-HP
8"	E0855-HP	—	E1215-HP
#17 x 3/4"	—	E1960-KP	—
#17 x 1"	—	E1980-KP	—
#17 x 1-1/2"	—	E2000-KP	—

Installation

Tools: 0 – 600 rpm screwdriver equipped with depth sensing nosepiece.

Options

Painted

