

410 Stainless

12-14 and 1/4-14 lap self-drill

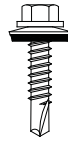
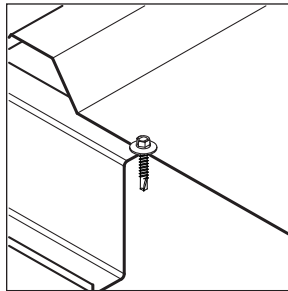
For metal to metal

- 410 SS is a magnetic heat-treatable stainless steel.
- Type 410 self-drilling fasteners provide fair resistance to corrosion in mild to light industrial environments.

Application

12-14 Stainless SD3 Assembled Aluminum bondSeal Metal to metal

Drilling capacity: .035 – .210"
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.
Min projection: 3/16" of threads below substrate



5/16" AF Hex Washer Head
Thread Major Dia: .215 - .209
Thread Minor Dia: .164 - .157

Strength (lbs ult.):

Tensile: 2800
Torsional: 92 in-lbs
Shear: 1900

Point Pull-out (lbs ult.):

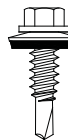
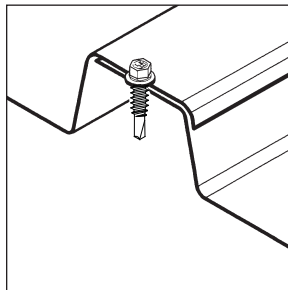
12 ga (.109): 1480
14 ga (.075): 823
16 ga (.060): 624

Pull-over with bondSeal (lbs ult.):

22 ga (.030): 1249
24 ga (.024): 1056
26 ga (.018): 654

1/4-14 Stainless Lap Assembled Aluminum bondSeal Panel to panel side lap

Drilling capacity: .030 – .095"
Some applications may require attaching light gage (24 – 26 ga) to sub-structural member.
Composite thickness should not exceed .095".



5/16" AF Hex Washer Head
Thread Major Dia: .246 - .240
Thread Minor Dia: .192 - .185

Strength (lbs ult.):

Tensile: 3850
Torsional: 150 in-lbs
Shear: 2850

Pull-out (lbs ult.):

22 ga (.030): 379
24 ga (.024): 304
26 ga (.018): 204

Notes

Dimensions are nominal inches unless noted. Self-drill pull-out values (pounds ultimate) are based on 57,000 psi hot rolled steel material. Lap self-drill pull-out values are based on 40,000 psi AZ55 Galvalume 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. #12 fasteners 1" and longer have special long pilot lengths to accommodate nested purlins.

Selection

Description	Available Lengths (L)	Example Code					
		SD3-	S4-	#12x	3/4-	HW5/16-	AB19/32
Type	Material	Diameter	Length	Head Style	Washer		
#12-14 Stainless SD3 bondSeal	3/4", 1", 1-1/4", 1-1/2"	SD3-	S4-	#12x	L-	HW5/16-	AB19/32
#12-14 Stainless SD3 No Washer	3/4", 1", 1-1/4", 1-1/2"	SD3-	S4-	#12x	L-	HW5/16-	–
1/4-14 Stainless Lap bondSeal	7/8"	SDL-	S4-	#14x	L-	HW5/16-	AB19/32
1/4-14 Stainless Lap No Washer	7/8"	SDL-	S4-	#14x	L-	HW5/16-	–

Installation

Tools: 0 – 2000 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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