

SX Stainless Self-Drill

SX austenitic stainless steel  
For metal to metal

- SX Austenitic stainless fasteners come with a Bi-metal welded carbon steel point.
- SX Austenitic stainless product line offers fastening solutions for attaching panels from very thin to 1/2" structural steel.
- Provides ultimate corrosion performance for attaching steel, stainless or aluminum panels.
- Designed for secured attachment to both panel and substructures.

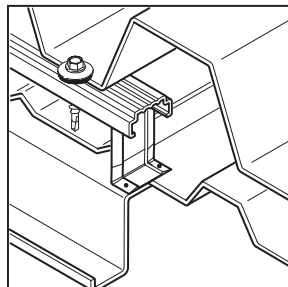
- Stainless self-drill fasteners are engineered to have low driving torque and provide maximum clamp load.
- Ultimate drill performance in light, medium, and heavy gage applications.
- Washer O.D designed for both sidewall and roof panel attachment.

Application

**SX3 Self-Drill**

**Assembled stainless bondSeal Metal to metal**

Drill capacity: .035 – .098  
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

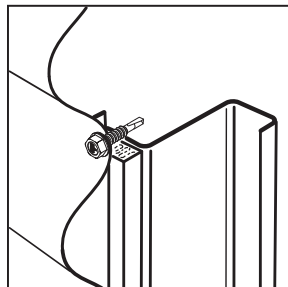


5/16" AF Hex Washer Head  
Dia: Nominal #14  
**Strength (lbs ult.):**  
Tensile: 2535  
Torsional: 70 in-lbs  
Shear: 1864  
**Pull-out (lbs ult.):**  
12 ga (.105): 2016  
14 ga (.075): 1473  
16 ga (.060): 1020  
**Pull-over (lbs ult.):**  
24 ga (.024): 1235  
26 ga (.018): 936

**SX5 Self-Drill**

**Assembled stainless bondSeal Metal to metal**

Drill capacity: .060 – .157  
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

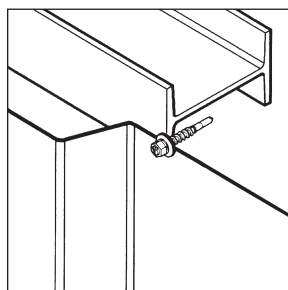


5/16" AF Hex Washer Head  
Dia: Nominal #12  
**Strength (lbs ult.):**  
Tensile: 2743  
Torsional: 70 in-lbs  
Shear: 2149  
**Pull-out (lbs ult.):**  
12 ga (.105): 1282  
14 ga (.075): 908  
16 ga (.060): 703  
**Pull-over (lbs ult.):**  
24 ga (.024): 1420  
26 ga (.018): 1141

**SX14 Self-Drill**

**Assembled stainless bondSeal Metal to metal**

Drill capacity: .157 – .550  
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

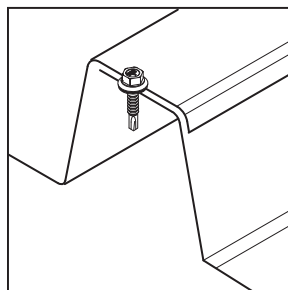


5/16" AF Hex Washer Head  
Dia: Nominal #12  
**Strength (lbs ult.):**  
Tensile: 2784  
Torsional: 70 in-lbs  
Shear: 2110  
**Pull-out (lbs ult.):**  
12 ga (.105): 1220  
3/16" (.187): 2191  
1/4" (.250): Exceeds tensile value  
**Pull-over (lbs ult.):**  
24 ga (.024): 1420  
26 ga (.018): 1141

**SL2-S Free Spin Lap**

**Assembled stainless bondSeal Panel to panel side lap**

Drill capacity: .031 – .060  
Some applications may require attaching light gage (24-26 ga) to sub-structural member. Composite thickness should not exceed .060"



5/16" AF Hex Washer Head  
Dia: Nominal #14  
**Strength (lbs ult.):**  
Tensile: 3740  
Torsional: 70 in-lbs  
Shear: 2790  
5/16" AF Hex Washer Head  
Dia: Nominal #12  
**Strength (lbs ult.):**  
Tensile: 1670  
Torsional: 50 in-lbs  
Shear: 1370

Notes

Dimensions are nominal unless noted. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

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SX Stainless Self-Drill

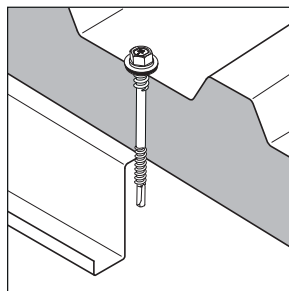
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Application

**SXC5 Standoff**

Assembled stainless bondSeal  
Insulated panel to metal

Drill capacity: .060 – .157



5/16" AF Hex Washer Head  
Dia: Nominal #12

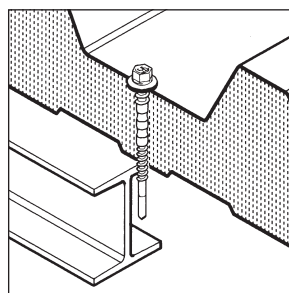
**Strength (lbs ult.):**  
Tensile: 2743  
Torsional: 70 in-lbs  
Shear: 2149

**Pull-out (lbs ult.):**  
12 ga (.105): 1282  
14 ga (.075): 908  
16 ga (.060): 703

**SXC14 Self-Drill Standoff**

Assembled stainless bondSeal  
Insulated panel to metal  
#5 Point

Drill capacity: .157 – .551



5/16" AF Hex Washer Head  
Dia: Nominal #12

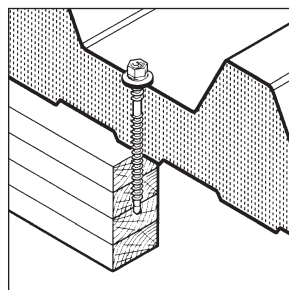
**Strength (lbs ult.):**  
Tensile: 2698  
Torsional: 92 in-lbs  
Shear: 3979

**Pull-out (lbs ult.):**  
12 ga (.105): 1220  
3/16" (.187): 2191  
1/4" (.250): Exceeds tensile value

**SXCW Self-Drill Standoff**

Assembled stainless bondSeal  
Insulated panel to wood

Drill capacity: .031 – .079



5/16" AF Hex Washer Head  
Dia: Nominal 1/4"

**Strength (lbs ult.):**  
Tensile: 3934  
Torsional: 95 in-lbs  
Shear: 2450

Notes

Dimensions are nominal unless noted. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners.

Selection

Description		Code					
		Material No.	Type	Clamping Length (mm)	Washer	Diameter (mm)	Length (mm)
SX3 bondSeal	14-11 x 1-1/8 SD	1141978	SX3/	9-	S16-	6X	29
	14-11 x 1-1/2 SD	1133237	SX3/	15-	S16-	6X	40
	14-11 x 2 SD	1133239	SX3/	20-	S16-	6X	50
SX3 No Washer	14-11 x 1-1/8 SD	1141971	SX3/	9-	–	6X	29
	14-11 x 1-1/2 SD	1142006	SX3/	15-	–	6X	40
	14-11 x 2 SD	1142057	SX3/	20-	–	6X	50
SX5 bondSeal	12-14 x 1-1/4 SD	1122767	SX5/	8-	S16-	5,5X	31
	12-14 x 1-1/2 SD	1123168	SX5/	12-	S16-	5,5X	35
	12-14 x 1-5/8 SD	1134477	SX5/	18-	S16-	5,5X	41
	12-14 x 2-1/2 SD	1168765	SX5/	38-	S16-	5,5X	61
	12-14 x 3-1/8 SD	1133330	SX5/	55-	S16-	5,5X	78
	12-14 x 3-3/4 SD	1141958	SX5/	70-	S16-	5,5X	95

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## Selection

Description		Code						Panel Thickness
		Material No.	Type	Clamping Length (mm)	Washer	Diameter (mm)	Length (mm)	
<b>SX5 No Washer</b>	12-14 x 1-1/4 SD	1134304	SX5/	8-	–	5,5X	31	–
	12-14 x 1-1/2 SD	1133976	SX5/	12-	–	5,5X	35	–
	12-14 x 1-5/8 SD	1134478	SX5/	18-	–	5,5X	41	–
	12-14 x 2-1/2 SD	1172097	SX5/	38-	–	5,5X	61	–
	12-14 x 3-1/8 SD	1133309	SX5/	55-	–	5,5X	78	–
	12-14 x 3-3/4 SD	1141957	SX5/	70-	–	5,5X	95	–
<b>SL2 Lap bondSeal</b>	12-11 x 1 Lap SD	1123164	SL2-S-	–	S14-	5,5X	25	–
	1/4-14 x 1-1/8 Lap SD	1133512	SL2-S-	–	S16-	6,3X	28	–
<b>SL2 Lap No Washer</b>	12-11 x 1 Lap SD	1133482	SL2-S-	–	–	5,5X	25	–
<b>SX14 bondSeal</b>	12-14 x 1-9/16 SD 5	770785	SX14/	12-	S16-	5,5X	40	–
	12-14 x 1-7/8 SD 5	773625	SX14/	20-	S16-	5,5X	48	–
	12-14 x 2-1/2 SD 5	770805	SX14/	38-	S16-	5,5X	66	–
	12-14 x 3-1/4 SD 5	523277	SX14/	58-	S16-	5,5X	84	–
<b>SX14 No Washer</b>	12-14 x 1-9/16 SD 5	770786	SX14/	12-	–	5,5X	40	–
	12-14 x 1-7/8 SD 5	773627	SX14/	20-	–	5,5X	48	–
	12-14 x 2-1/2 SD 5	770804	SX14/	38-	–	5,5X	66	–
	12-14 x 3-1/4 SD 5	526400	SX14/	58-	–	5,5X	84	–
<b>SXC5 bondSeal</b>	12-14 x 3 SD	1319474	SXC5-	–	S19-	5,5X	75	1-1/8" – 1-7/8"
	12-14 x 3-3/4 SD	514448	SXC5-	–	S19-	5,5X	95	1-1/2" – 2-5/8"
	12-14 x 4-1/2 SD	514607	SXC5-	–	S19-	5,5X	115	2-5/16" – 3-7/16"
	12-14 x 5-5/16 SD	514609	SXC5-	–	S19-	5,5X	135	3-1/8" – 4-1/4"
	12-14 x 6-1/4 SD	1319491	SXC5-	–	S19-	5,5X	160	3-3/4" – 5-1/8"
	12-14 x 7-1/4 SD	1319492	SXC5-	–	S19-	5,5X	185	4-5/8" – 6-1/8"
<b>SXC14 bondSeal</b>	12-14 x 3-1/8	773620	SXC14-	–	S19-	5,5X	80	1-1/2" – 1-7/8"
	12-14 x 3-1/4	775732	SXC14-	–	S19-	5,5X	100	1-7/8" – 2-1/2"
	12-14 x 4-5/8	776324	SXC14-	–	S19-	5,5X	120	2-5/8" – 3-5/16"
	12-14 x 5-1/2	768491	SXC14-	–	S19-	5,5X	140	3-5/16" – 4-1/8"
	12-14 x 6-5/8	1185167	SXC14-	–	S19-	5,5X	165	4-1/8" – 5-5/16"
<b>SXCW bondSeal</b>	1/4-14 x 3-1/2	998230	SXCW-	–	S19-	6,5X	90	1-1/8" – 1-7/16"
	1/4-14 x 4-1/8	997836	SXCW-	–	S19-	6,5X	105	1-1/2" – 2-1/8"
	1/4-14 x 4-9/16	998241	SXCW-	–	S19-	6,5X	115	1-7/8" – 2-9/16"
	1/4- 14 x 5-3/8	997821	SXCW-	–	S19-	6,5X	135	2-5/8" – 3-5/16"
	1/4- 14 x 6-1/4	997840	SXCW-	–	S19-	6,5X	155	3-1/16" – 4-1/8"

## Installation

Fasteners should provide for a minimum of 3 fully developed threads through the metal substrate.

Tools: 0 – 2000 rpm screw gun equipped with depth sensing nose piece.

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

## Options

Painted

