

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.

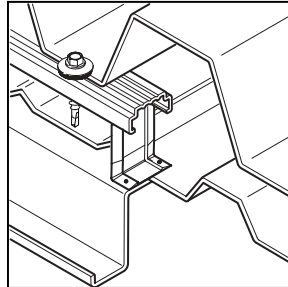
- Stainless self-drill fasteners are engineered to have low driving torque and provide maximum clamp load.
- Ultimate drill performance in light, medium, and heavy gage applications.
- Washer O.D designed for both sidewall and roof panel attachment.

Application

SX3 Self-Drill

Metal to metal

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

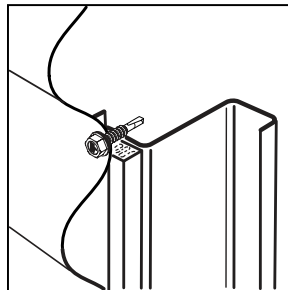


5/16" AF Hex Washer Head
Dia: Nominal #14
Strength (lbs ult.):
Tensile: 2535
Torsional: 70 in-lbs
Shear: 1864
Pull-out (lbs ult.):
12 ga (.105): 2016
14 ga (.075): 1473
16 ga (.060): 1020
Pull-over (lbs ult.):
24 ga (.024): 1235
26 ga (.018): 936

SX5 Self-Drill

Metal to metal

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

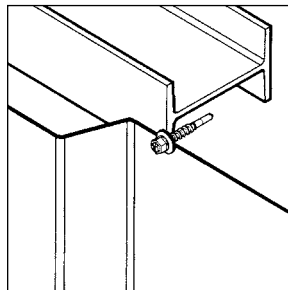


5/16" AF Hex Washer Head
Dia: Nominal #12
Strength (lbs ult.):
Tensile: 2743
Torsional: 70 in-lbs
Shear: 2149
Pull-out (lbs ult.):
12 ga (.105): 1282
14 ga (.075): 908
16 ga (.060): 703
Pull-over (lbs ult.):
24 ga (.024): 1420
26 ga (.018): 1141

SX14 Self-Drill

Metal to metal

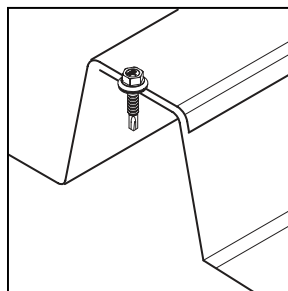
Drill capacity: .157 – .550
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.



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
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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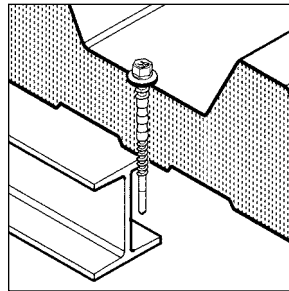
Application

SXC14 Self-Drill Standoff

Insulated panel to metal

#5 Point

Drill capacity: .157 – .551



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

Strength (lbs ult.):

Tensile: 2698

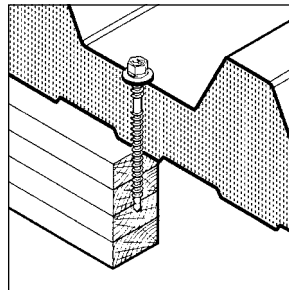
Torsional: 92 in-lbs

Shear: 3979

SXCW Self-Drill

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 with Bond Seal	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 with Bond Seal	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 2-1/8 SD	1133684	SX5/	20-30-	S16-	5,5X	52
	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
	12-14 x 4-1/4 SD	1141963	SX5/	85-	S16-	5,5X	110
12-14 x 5-1/2 SD	1141967	SX5/	115-	S16-	5,5X	138	

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Selection

Description		Code						
		Material No.	Type	Clamping Length (mm)	Washer	Diameter (mm)	Length (mm)	Panel Thickness
SX5 No Washer	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 2-1/8 SD	1154328	SX5/	20-30-	–	5,5X	52	–
	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	–
	12-14 x 4-1/4 SD	1141962	SX5/	85-	–	5,5X	110	–
	12-14 x 5-1/2 SD	1141966	SX5/	115-	–	5,5X	138	–
SL2 Lap with Bond Seal	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	–
SL2 Lap No Washer	12-11 x 1 Lap SD	1133482	SL2-S-	–	–	5,5X	25	–
SX14 with Bond Seal	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	–
	12-14 x 4 SD 5	768379	SX14/	75-	S16-	5,5X	103	–
SX14 No Washer	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	–
	12-14 x 4 SD 5	777580	SX14/	75-	–	5,5X	103	–
SXC14 with Bond Seal	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"
SXCW with Bond Seal	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.

Options

Painted



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