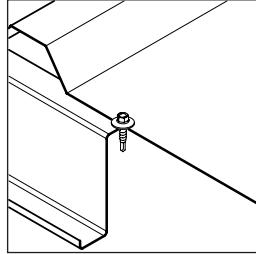


Application

- Metal panel to light and medium gauge metal application



Features and Benefits

- Precision cold forged point assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Reduced drill point diameter provides higher pull out in single purlin attachment
- Available with no sealing washer or with bond seal washer
- VistaCoat® premium coating system
- VistaCoat® limited warranty

Product Selection

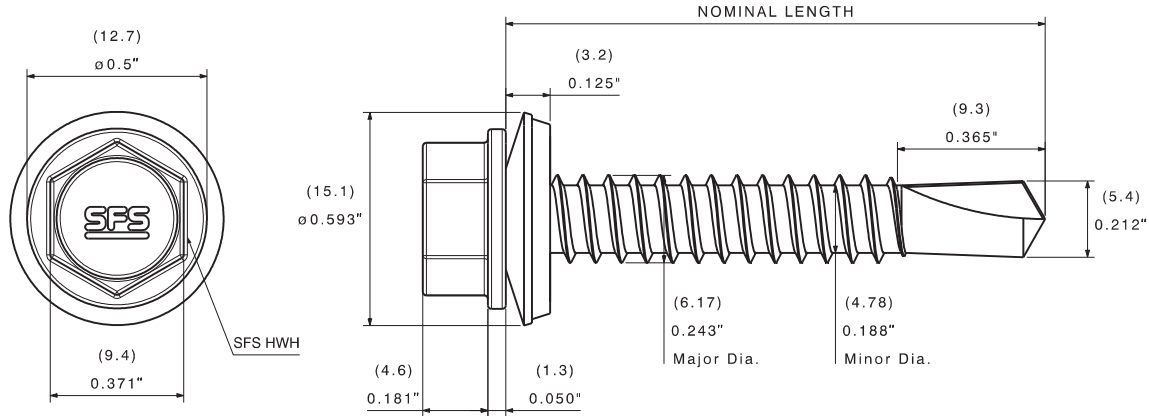
Material No.	Fastener Length	Thread* Length	Description	Carton Wt. (lbs.)	Carton Qty.
797143	3/4"	Full	SD3-#14x3/4-HW3/8-GB19/32	37	2500
798515	1"	Full	SD3-#14x1-HW3/8-GB19/32	36	2000
798777	1-1/4"	Full	SD3-#14x1-1/4-HW3/8-GB19/32	40	2000
798957	1-1/2"	Full	SD3-#14x1-1/2-HW3/8-GB19/32	44	2000
799066	2"	Full	SD3-#14x2-HW3/8-GB19/32	41	1500
799092	2-1/2"	Full	SD3-#14x2-1/2-HW3/8-GB19/32	33	1000
799104	3"	Full	SD3-#14x3-HW3/8-GB19/32	29	750
799119	4"	Full	SD3-#14x4-HW3/8-GB19/32	42	1000

Plain product bagged 250 pieces, unless otherwise noted.

*Note - Thread length measured from end of pilot length to top of the threads.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

CAD Drawing: SD3-#14xL-HW3/8-GB19/32-Rev1R



Product Specifications

Diameter:	1/4" (6.17mm)	Drill Point:	SD3
Threads Per Inch:	14	Drill Capacity:	0.050"-0.210" (1.27mm-5.33mm)
Head Style:	3/8" dia. HWH AF (9.4mm)	Thread Major Dia:	0.243" (6.17mm)
Washer:	19/32" galvanized and EPDM bond seal (15.1mm)	Thread Minor Dia:	0.188" (4.78mm)

Performance Data^{1,2,3}

Material Strength

Tensile	3600 lbf / 16020 N
Shear	2700 lbf / 12015 N
Torsional	150 lbf-in / 17.0 N·m

Pull Out Strength Steel

ICC protocol 45 ksi SFS testing 56 ksi

16 Ga (1.5mm):	482 lbf / 2144 N	687 lbf / 3056 N
14 Ga (1.9mm):	741 lbf / 3296 N	1151 lbf / 5120 N
12 Ga (2.7mm):	1234 lbf / 5489 N	1697 lbf / 7549 N

Pull Over Strength Steel

26 Ga (0.5mm):	616 lbf / 2740 N
24 Ga (0.6mm):	884 lbf / 3932 N
22 Ga (0.8mm):	1079 lbf / 4800 N

¹ SFS [4811.12, 4812.12]

² STQA50573

³ PLK 10603

Installation and Application Considerations

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

Use of impact guns or hammer drills is not recommended.

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

Metric values are approximate conversions.

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