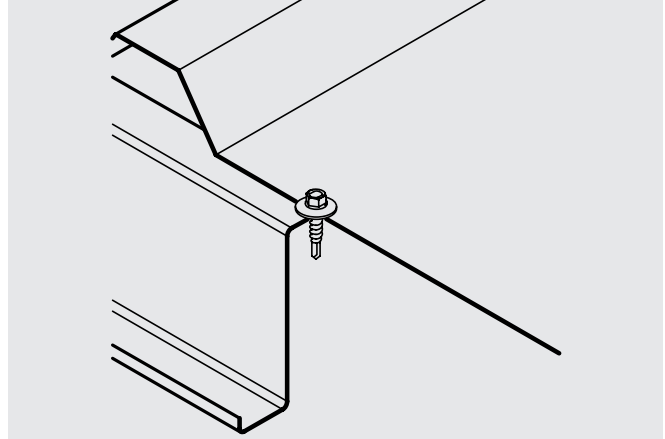


# 1/4-14 Impax SD3 (3/8") Metal to Metal Fastener



## 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

## Application

Metal panel to light and medium gauge metal application

## Product Selection

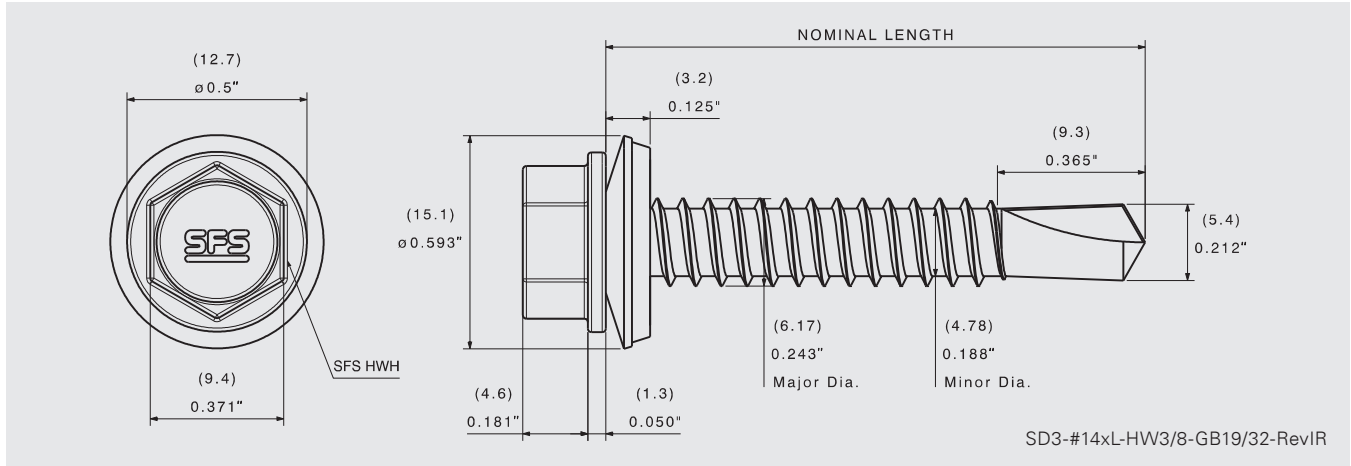
Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
797143	3/4"	Full	SD3-#14x3/4-HW3/8-GB19/32	37	2,500
798515	1"	Full	SD3-#14x1-HW3/8-GB19/32	36	2,000
798777	1-1/4"	Full	SD3-#14x1-1/4-HW3/8-GB19/32	40	2,000
798957	1-1/2"	Full	SD3-#14x1-1/2-HW3/8-GB19/32	44	2,000
799066	2"	Full	SD3-#14x2-HW3/8-GB19/32	41	1,500
799092	2-1/2"	Full	SD3-#14x2-1/2-HW3/8-GB19/32	33	1,000
799104	3"	Full	SD3-#14x3-HW3/8-GB19/32	29	750
799119	4"	Full	SD3-#14x4-HW3/8-GB19/32	42	1,000

Plain product bagged 250 pieces, unless otherwise noted.

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



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## Product Specifications

Diameter: 1/4" (6.17 mm)  
 Threads Per Inch: 14  
 Head Style: 3/8" dia. HWH AF (9.4 mm)  
 Washer: 19/32" galvanized and EPDM bond seal (15.1 mm)

Drill Point: SD3  
 Drill Capacity: 0.050"–0.210" (1.27 mm–5.33 mm)  
 Thread Major Dia: 0.243" (6.17 mm)  
 Thread Minor Dia: 0.188" (4.78 mm)

## Performance Data<sup>1,2,3</sup>

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

### Pull Over Strength Steel

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

<sup>1</sup> SFS [4811.12, 4812.12]

<sup>2</sup> STQA50573

<sup>3</sup> PLK 10603

## Installation and Application Considerations

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

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

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