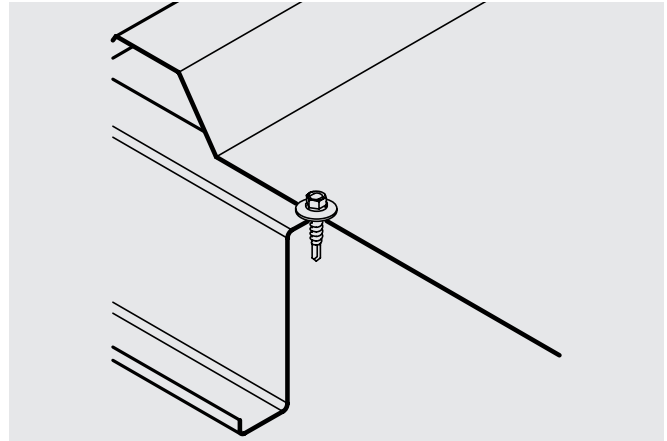


1/4-14 Impax SD3 (3/8") Metal to Metal Fastener



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

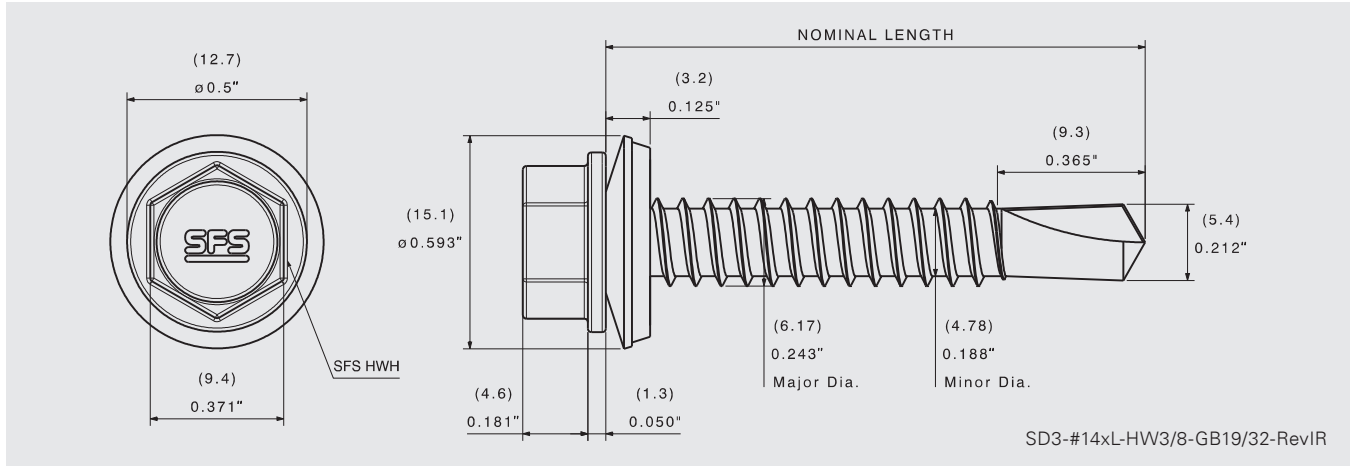
Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
797143	3/4"	19	Full	0.21"	4	SD3-#14x3/4-HW3/8-GB19/32	37	2,500
798515	1"	25	Full	0.41"	10	SD3-#14x1-HW3/8-GB19/32	36	2,000
798777	1-1/4"	32	Full	0.66"	17	SD3-#14x1-1/4-HW3/8-GB19/32	40	2,000
798957	1-1/2"	38	Full	0.91"	23	SD3-#14x1-1/2-HW3/8-GB19/32	22	1,000
799066	2"	51	Full	1.41"	36	SD3-#14x2-HW3/8-GB19/32	41	1,500
799092	2-1/2"	64	Full	1.92"	49	SD3-#14x2-1/2-HW3/8-GB19/32	33	1,000
799104	3"	76	Full	2.42"	61	SD3-#14x3-HW3/8-GB19/32	19	500
799119	4"	102	Full	3.42"	87	SD3-#14x4-HW3/8-GB19/32	21	500

Plain product bagged 250 pieces, unless otherwise noted.

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



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



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

Pull Over Strength Steel

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

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.