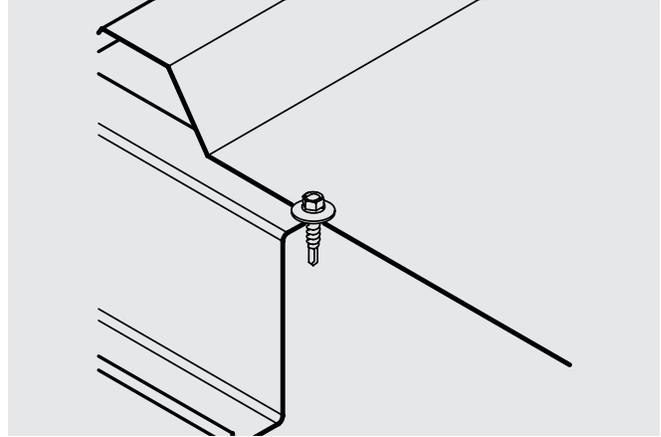


#12-14 Impax SD3 Metal to Metal Fastener



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
- Fasteners 1" and longer have special long pilot lengths to accommodate nested purlins
- 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

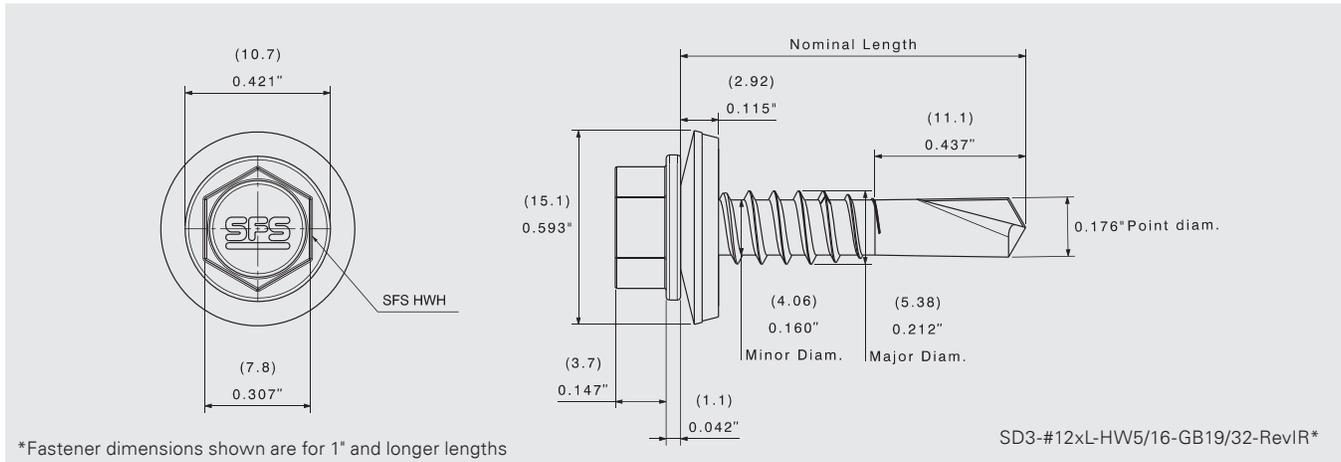
Product Selection

Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
1302885	3/4"	19	Full	0.26"	7	SD3-#12×3/4-HW5/16-GB19/32	29	2,500
1303353	1"	25	Full	0.35"	9	SD3-#12×1-HW5/16-GB19/32	34	2,500
1303633	1-1/4"	32	Full	0.60"	15	SD3-#12×1-1/4-HW5/16-GB19/32	38	2,500
1303919	1-1/2"	38	Full	0.85"	22	SD3-#12×1-1/2-HW5/16-GB19/32	33	2,000
1304186	2"	51	Full	1.35"	34	SD3-#12×2-HW5/16-GB19/32	32	1,500
796942	2-1/2"	64	Full	1.85"	47	SD3-#12×2-1/2-HW5/16-GB19/32	25	1,000
797019	3"	76	Full	2.35"	60	SD3-#12×3-HW5/16-GB19/32	21	750
797074	4"	102	Full	3.35"	85	SD3-#12×4-HW5/16-GB19/32	17	500

Plain product bagged 250 pieces, unless otherwise noted.

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

#12-14 Impax SD3 Metal to Metal Fastener



Product Specifications

Diameter: #12 (5.38 mm)
 Threads Per Inch: 14
 Head Style: 5/16" dia. HWH AF (7.8 mm)
 Washer: 19/32" galvanized and EPDM bond seal (15.1 mm)

Drill Point: SD3
 Drill Capacity: 0.035"–0.210" (0.889 mm–5.334 mm)
 Thread Major Dia: 0.212" (5.38 mm)
 Thread Minor Dia: 0.160" (4.06 mm)

Performance Data^{1,2}

Material Strength

Tensile	2900 lbf / 12900 N
Shear	2050 lbf / 9119 N
Torsional	92 lbf-in / 10.39 N·m

Pull Out Strength Steel

	ICC protocol 45 ksi	SFS testing 56 ksi
16 Ga (1.5 mm)	516 lbf / 2295 N	665 lbf / 2958 N
14 Ga (1.9 mm)	782 lbf / 3478 N	901 lbf / 4008 N
12 Ga (2.7 mm)	1315 lbf / 5849 N	1524 lbf / 6779 N

Pull Over Strength Steel

26 Ga (0.5 mm)	654 lbf / 2909 N
24 Ga (0.6 mm)	1056 lbf / 4697 N
22 Ga (0.8 mm)	1249 lbf / 5556 N

¹ SFS [5083.14]

² STQA50573

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.