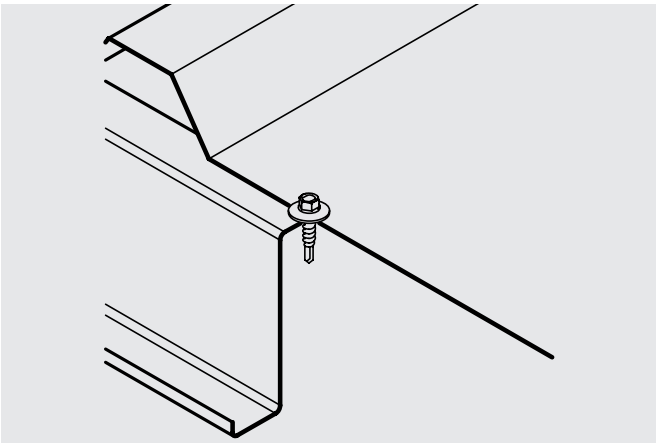
1/4-14 Impax SD2 (5/16") Metal to Metal Fastener



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)			
798606	1-1/4"	32	Full	0.60"	15	SD2-#14x1-1/4-HW5/16-GB19/32	37	2,000
799007	1-1/2"	38	Full	0.85"	22	SD2-#14x1-1/2-HW5/16-GB19/32	40	2,000

Plain product bagged 250 pieces, unless otherwise noted.

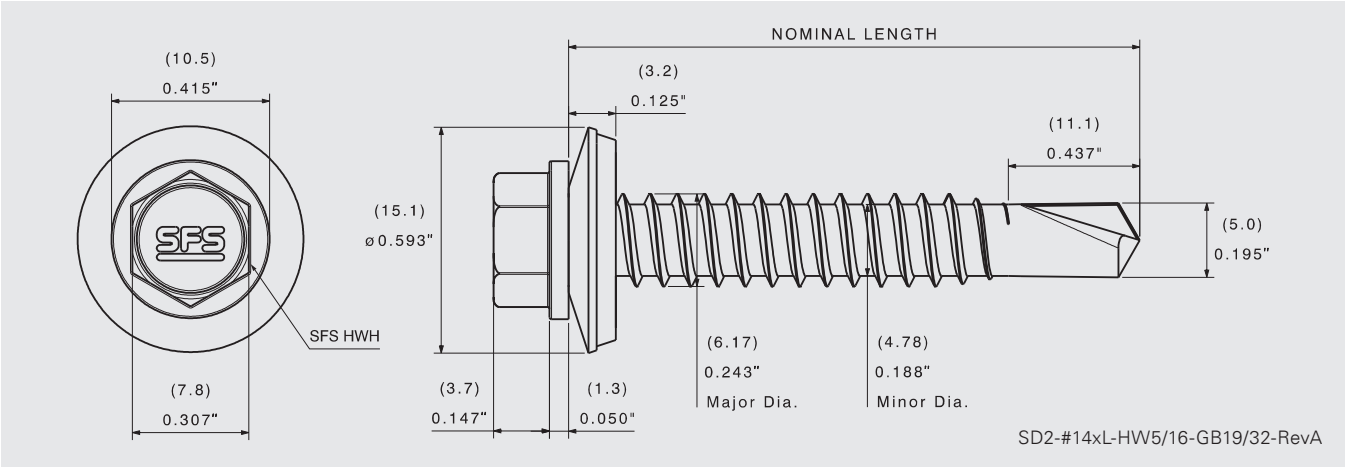
*Note – Thread length measured from end of pilot length to top of the threads.

US
T 800 234 4533
us.sfs.com

Canada
T 866 847 5400
ca.sfs.com

Metric values are approximate conversions.

1/4-14 Impax SD2 (5/16") Metal to Metal Fastener



Product Specifications

Diameter:	1/4" (6.17 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:	SD2
Drill Capacity:	0.050"–0.150" (1.27 mm–3.81 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			Pull Over Strength Steel	
	ICC protocol 45 ksi	SFS testing 56 ksi		
16 Ga (1.5 mm)	642 lbf / 2855 N	903 lbf / 4017 N	**26 Ga (0.5 mm)**	616 lbf / 2740 N
14 Ga (1.9 mm)	940 lbf / 4181 N	1312 lbf / 5836 N	**24 Ga (0.6 mm)**	884 lbf / 3932 N
12 Ga (2.7 mm)	1538 lbf / 6841 N	2088 lbf / 9288 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.

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.

US
T 800 234 4533
us.sfs.com

Canada
T 866 847 5400
ca.sfs.com

Metric values are approximate conversions.