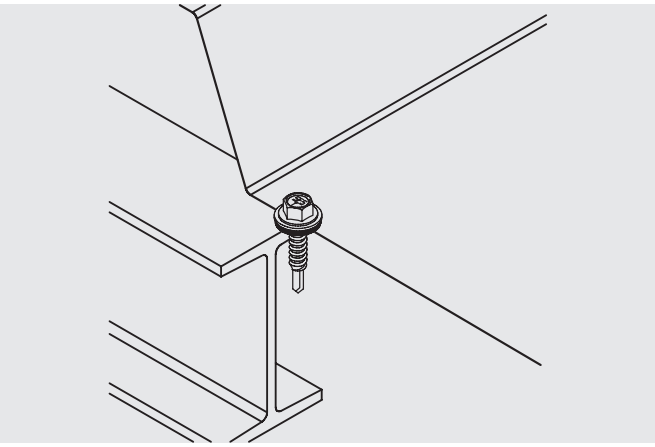
#12-24 Impax SD5 Metal to Metal Fastener



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
- Available with no sealing washer or with bond seal washer
- VistaCoat® premium coating system
- VistaCoat® limited warranty

Application

Metal panel to medium and heavy gauge metal application

Product Selection

Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
795718	1-1/4"	32	0.52"	0.40"	10	SD5-#12x1-1/4-HW5/16-GB19/32	40	2,500
796507	1-1/2"	38	0.77"	0.65"	16	SD5-#12x1-1/2-HW5/16-GB19/32	43	2,500
783097	2"	51	1.27"	1.15"	29	SD5-#12x2-HW5/16-GB19/32	44	2,000

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from underneath head to end of fully developed threads.

US
T 800 234 4533
us.sfs.com

Canada
T 866 847 5400
ca.sfs.com

Metric values are approximate conversions.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (06/2021, V1.01)

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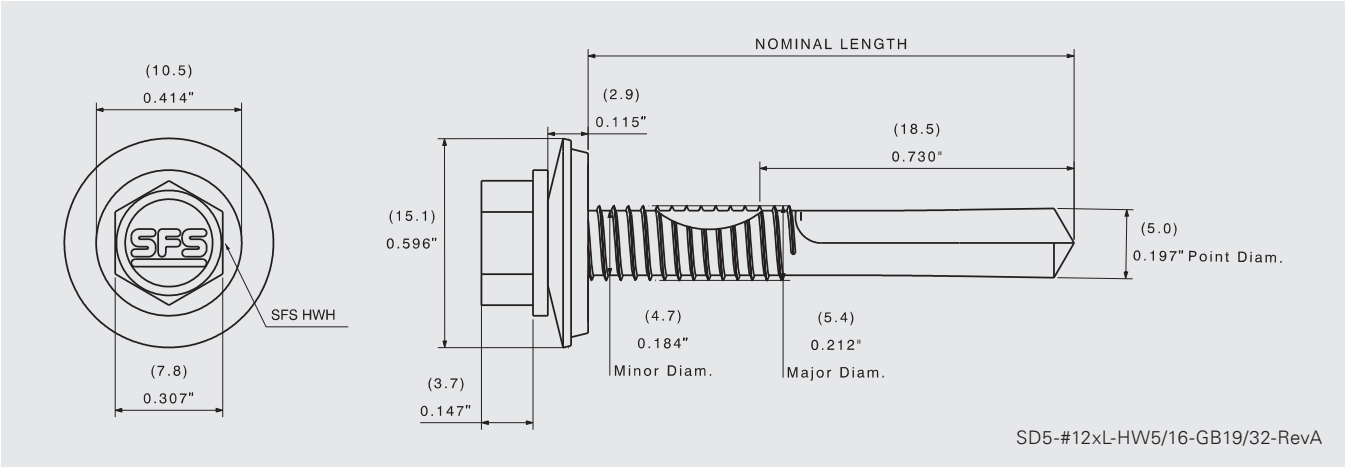

Product Specifications

Diameter:	#12 (5.4 mm)
Threads Per Inch:	24
Head Style:	5/16" dia. HWH AF (7.8 mm)
Washer:	19/32" galvanized and EPDM bond seal (15.1 mm)
Drill Point:	SD5
Drill Capacity:	0.075"–0.500" (1.91 mm–12.7 mm)
Thread Major Dia:	0.212" (5.4 mm)
Thread Minor Dia:	0.184" (4.7 mm)

Performance Data[1,2,3]

Material Strength	
Tensile	3450 lbf / 15346 N
Shear	2420 lbf / 10765 N
Torsional	100 lbf·in / 11.30 N·m

Pull Out Strength Steel			Pull Over Strength Steel	
	ICC protocol	SFS testing 56 ksi		
12 Ga (2.7 mm)	1260 lbf[A] / 5604 N	1378 lbf / 6130 N	**26 Ga (0.5 mm)**	584 lbf / 2598 N
3/16" (4.7 mm)	2989 lbf[B] / 13295 N	Exceeds tensile	**24 Ga (0.6 mm)**	861 lbf / 3830 N
1/4" (6.4 mm)	Exceeds tensile[B]	Exceeds tensile	**22 Ga (0.8 mm)**	1049 lbf / 4666 N

Note A: 45 ksi. Note B: 58 ksi.

[1] SFS [5509.18]
[2] STQA50573
[3] PLK 10303

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.

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