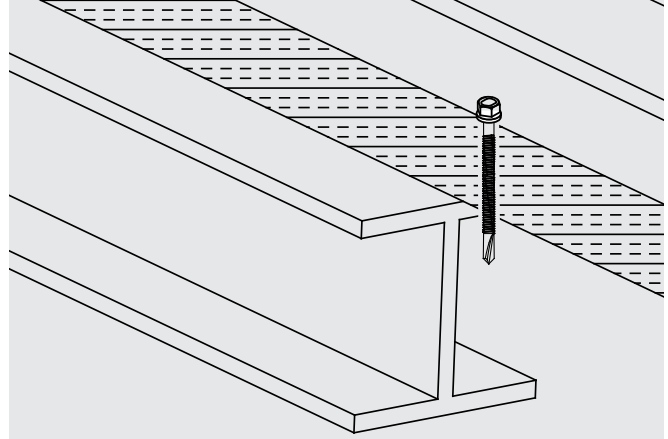


1/4-20 Impax SD5 Metal to Metal Fastener



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
- Corrosion resistant coating system

Application

Insulated metal panel to medium and heavy gauge metal application

Product Selection

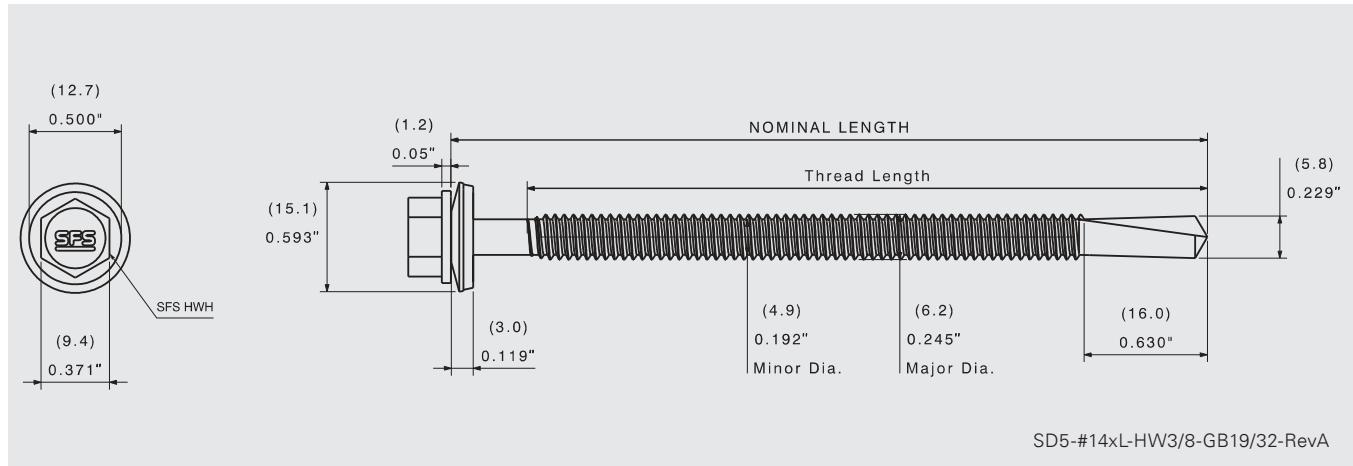
Material No.	Fastener Length		Thread Length*	Min Load Bearing Length		Max Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)	(in)	(mm)			
1356420	3"	76	Full	0.15"	4	2.22"	56	SD5-#14×3-HW3/8-GB19/32	38	1,000
1356421	4"	102	Full	0.15"	4	3.22"	82	SD5-#14×4-HW3/8-GB19/32	24	500
1356422	5"	127	3.63"	0.89"	23	4.22"	107	SD5-#14×5-HW3/8-GB19/32	29	500
1356423	6"	152	3.63"	1.89"	48	5.22"	133	SD5-#14×6-HW3/8-GB19/32	36	500
1356424	7"	178	3.63"	2.89"	73	6.22"	158	SD5-#14×7-HW3/8-GB19/32	20	250
1356425	8"	203	3.63"	3.89"	99	7.22"	184	SD5-#14×8-HW3/8-GB19/32	23	250

Plain product bulk carton packed.

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



1/4-20 Impax SD5 Metal to Metal Fastener



Product Specifications

Diameter: 1/4" (6.2 mm)
Threads Per Inch: 20
Head Style: 3/8" dia. HWH AF (9.4 mm)
Washer: 19/32" galvanized and EPDM bond seal (15.1 mm)

Drill Point: SD5
Drill Capacity: 0.105"–0.500" (2.7 mm–12.7 mm)
Thread Major Dia: 0.245" (6.2 mm)
Thread Minor Dia: 0.192" (4.9 mm)

Performance Data^{1,2,3}

Material Strength

Tensile	4200 lbf / 18683 N
Shear	2920 lbf / 12989 N
Torsional	156 lbf·in / 17.63 N·m

Pull Out Strength Steel

	ICC protocol	SFS testing 56 ksi
12 Ga (2.7 mm)	1133 lbf ^A / 5039 N	1532 lbf / 6815 N
1/4" (6.3 mm)	Exceeds tensile ^B	Exceeds tensile
3/8" (9.5 mm)	Exceeds tensile ^B	Exceeds tensile
1/2 (12.7 mm)	Exceeds tensile ^B	Exceeds tensile

Pull Over Strength Steel

26 Ga (0.5 mm)	629 lbf / 2728 N
24 Ga (0.6 mm)	988 lbf / 4395 N
22 Ga (0.8 mm)	1117 lbf / 4969 N

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

¹ SFS [5509.18, 5006.13]

² STQA50573

³ PLK 17312

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.