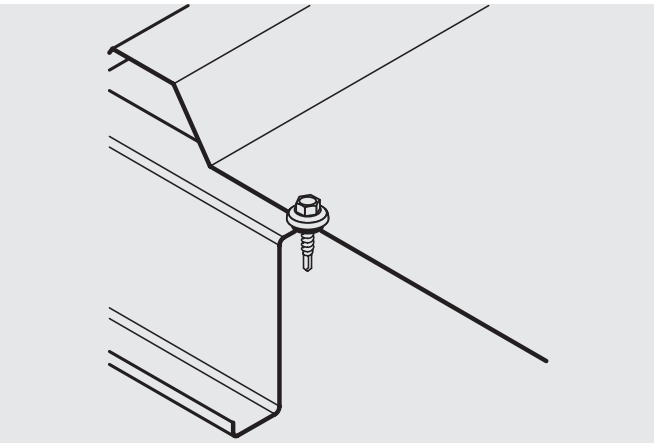
#1/4-14 ZAC® Impax SD3 (5/16") Metal to Metal Fastener



Features and Benefits

- Zinc alloy cap head that will never red rust
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot length to accommodate nested purlins
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener 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)			
798814	1-1/4"	32	Full	0.60"	15	ZSD3-#14x1-1/4-CHW5/16-N	46	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.

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. (07/2021, V1.01)

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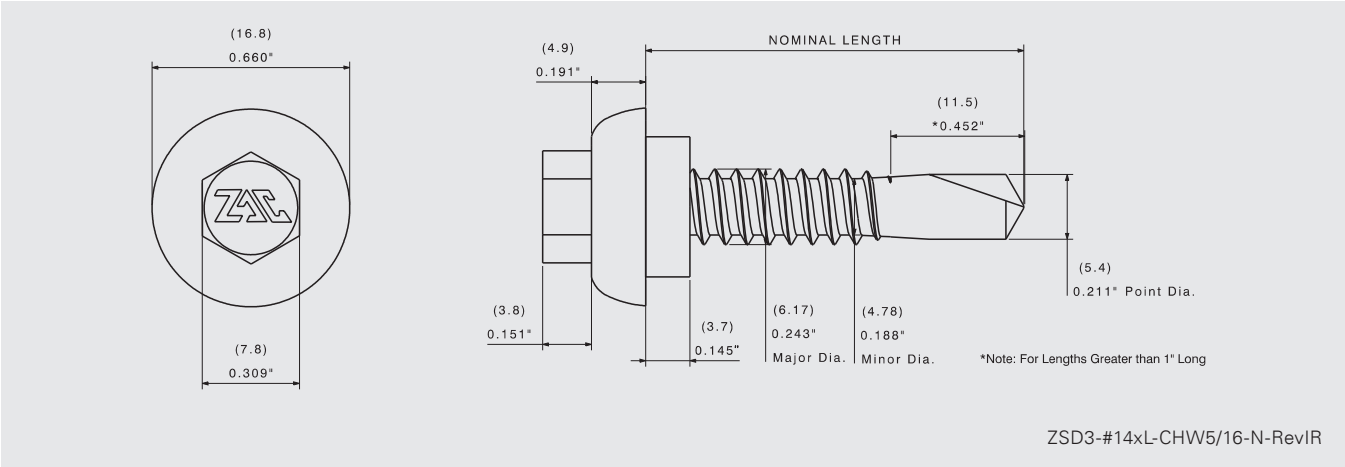

Product Specifications

Diameter:	1/4" (6.17 mm)
Threads Per Inch:	14
Head Style:	5/16" dia. Zinc aluminum capped HWH AF (7.8 mm)
Washer:	EPDM sealing washer
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			Pull Over Strength Steel	
	ICC protocol 45 ksi	SFS testing 56 ksi		
16 Ga (1.5 mm)	482 lbf / 2144 N	687 lbf / 3056 N	**26 Ga (0.5 mm)**	616 lbf / 2740 N
14 Ga (1.9 mm)	741 lbf / 3296 N	1151 lbf / 5120 N	**24 Ga (0.6 mm)**	884 lbf / 3932 N
12 Ga (2.7 mm)	1234 lbf / 5489 N	1697 lbf / 7549 N	**22 Ga (0.8 mm)**	1079 lbf / 4800 N

[1] SFS [4811.12, 4812.11]
[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.

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