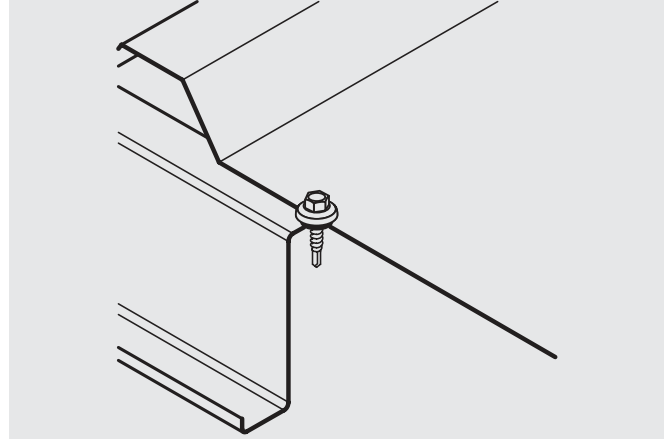


#1/4-14 ZAC[®] Impax SD3 (5/16") Metal to Metal Fastener



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

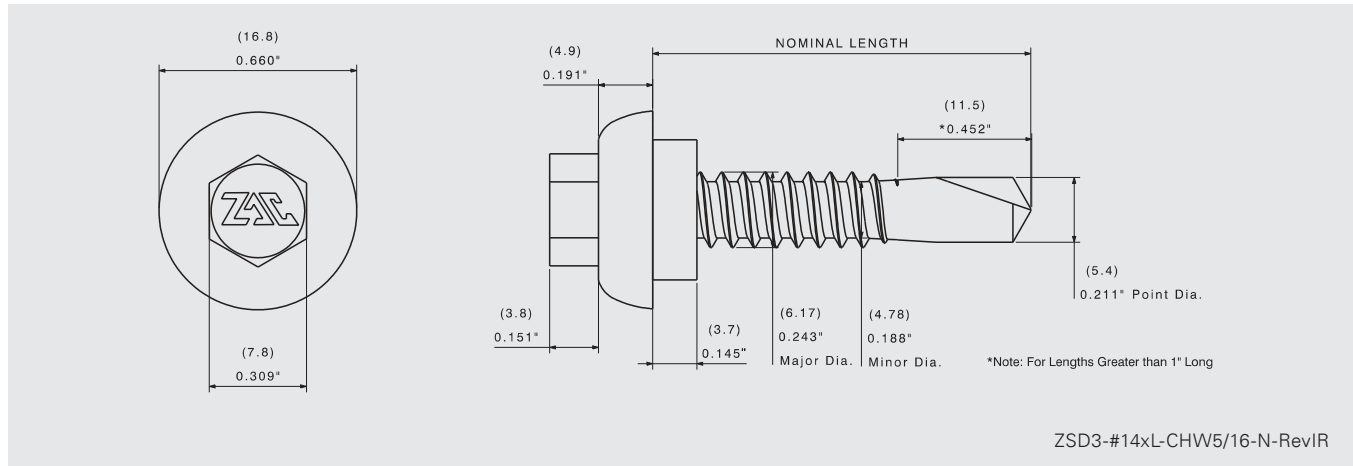
Product Selection

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.

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



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

	ICC protocol 45 ksi	SFS testing 56 ksi
16 Ga (1.5 mm)	482 lbf / 2144 N	687 lbf / 3056 N
14 Ga (1.9 mm)	741 lbf / 3296 N	1151 lbf / 5120 N
12 Ga (2.7 mm)	1234 lbf / 5489 N	1697 lbf / 7549 N

Pull Over Strength Steel

26 Ga (0.5 mm)	616 lbf / 2740 N
24 Ga (0.6 mm)	884 lbf / 3932 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.

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.