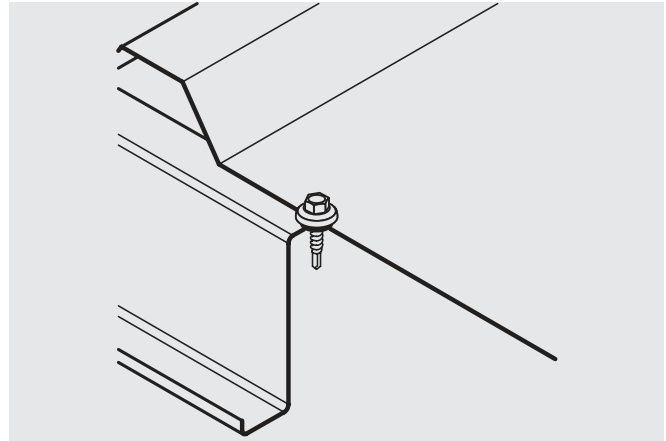


#12-14 ZAC[®] Impax SD3 (3/8") Metal to Metal Fastener



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

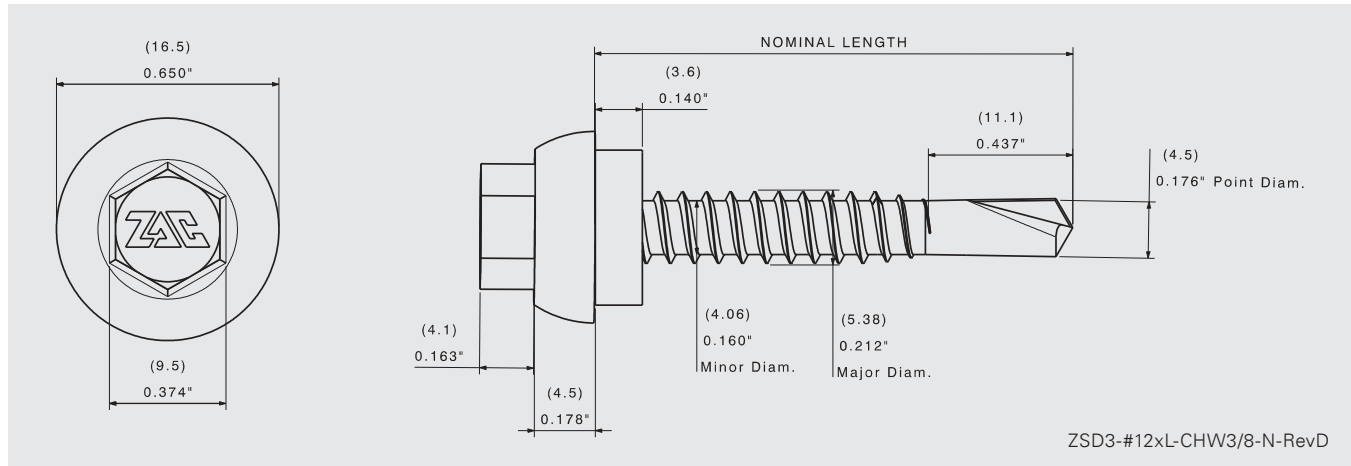
Product Selection

Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
793845	1"	25	Full	0.35"	9	ZSD3-#12x1-CHW3/8-N	39	2,000
794515	1-1/4"	32	Full	0.60"	15	ZSD3-#12x1-1/4-CHW3/8-N	42	2,000
795874	1-1/2"	38	Full	0.85"	22	ZSD3-#12x1-1/2-CHW3/8-N	40	1,500
796672	2"	51	Full	1.35"	34	ZSD3-#12x2-CHW3/8-N	31	1,000
796919	2-1/2"	64	Full	1.85"	47	ZSD3-#12x2-1/2-CHW3/8-N	26	750
797009	3"	76	Full	2.35"	60	ZSD3-#12x3-CHW3/8-N	27	750

Plain product bagged 250 pieces, unless otherwise noted.

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

#12-14 ZAC[®] Impax SD3 (3/8") Metal to Metal Fastener



Product Specifications

Diameter: #12 (5.38 mm)

Threads Per Inch: 14

Head Style: 3/8" dia. Zinc aluminum capped HWH
AF (9.5 mm)

Washer: EPDM sealing washer

Drill Point: SD3

Drill Capacity: 0.035–0.210" (0.889 mm–5.334 mm)

Thread Major Dia: 0.212" (5.38 mm)

Thread Minor Dia: 0.160" (4.06 mm)

Performance Data^{1,2}

Material Strength

Tensile	2900 lbf / 12900 N
Shear	2050 lbf / 9119 N
Torsional	92 lbf-in / 10.39 N·m

Pull Out Strength Steel

	ICC protocol 45 ksi	SFS testing 56 ksi
16 Ga (1.5 mm)	516 lbf / 2295 N	665 lbf / 2958 N
14 Ga (1.9 mm)	782 lbf / 3478 N	901 lbf / 4008 N
12 Ga (2.7 mm)	1315 lbf / 5849 N	1524 lbf / 6779 N

Pull Over Strength Steel

26 Ga (0.5 mm)	794 lbf / 3532 N
24 Ga (0.6 mm)	1310 lbf / 5827 N
22 Ga (0.8 mm)	1647 lbf / 7326 N

¹ SFS [5083.14, 4812.11]

² STQA50573

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.