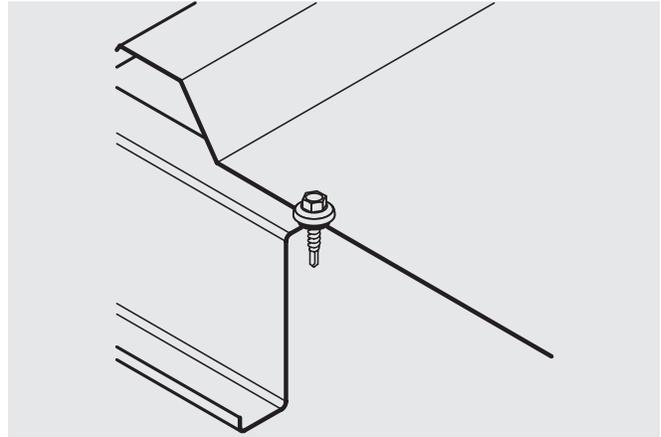


# #12-14 ZAC<sup>®</sup> Impax SD3 (3/8") Metal to Metal Fastener



## 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

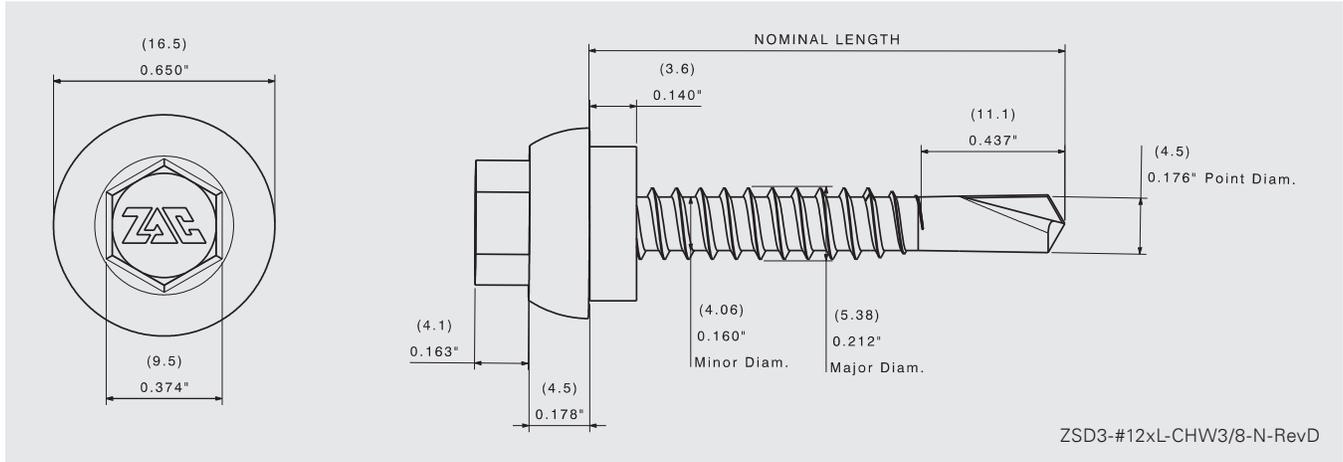
Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
793845	1"	25	Full	0.35"	9	ZSD3-#12x1-CHW3/8-N	39	2,000
794515	1-1/4"	32	Full	0.60"	15	ZSD3-#12x1-1/4-CHW3/8-N	42	2,000
795874	1-1/2"	38	Full	0.85"	22	ZSD3-#12x1-1/2-CHW3/8-N	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.



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## 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<sup>1,2</sup>

### 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
<b>16 Ga (1.5 mm)</b>	516 lbf / 2295 N	665 lbf / 2958 N
<b>14 Ga (1.9 mm)</b>	782 lbf / 3478 N	901 lbf / 4008 N
<b>12 Ga (2.7 mm)</b>	1315 lbf / 5849 N	1524 lbf / 6779 N

### Pull Over Strength Steel

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

<sup>1</sup> SFS [5083.14, 4812.11]

<sup>2</sup> 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.**