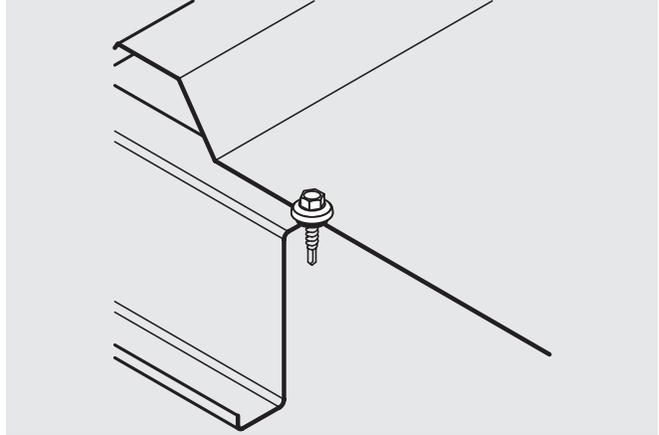


# #1/4-14 ZAC<sup>®</sup> Impax SD2 (3/8") Metal to Metal Fastener



### 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

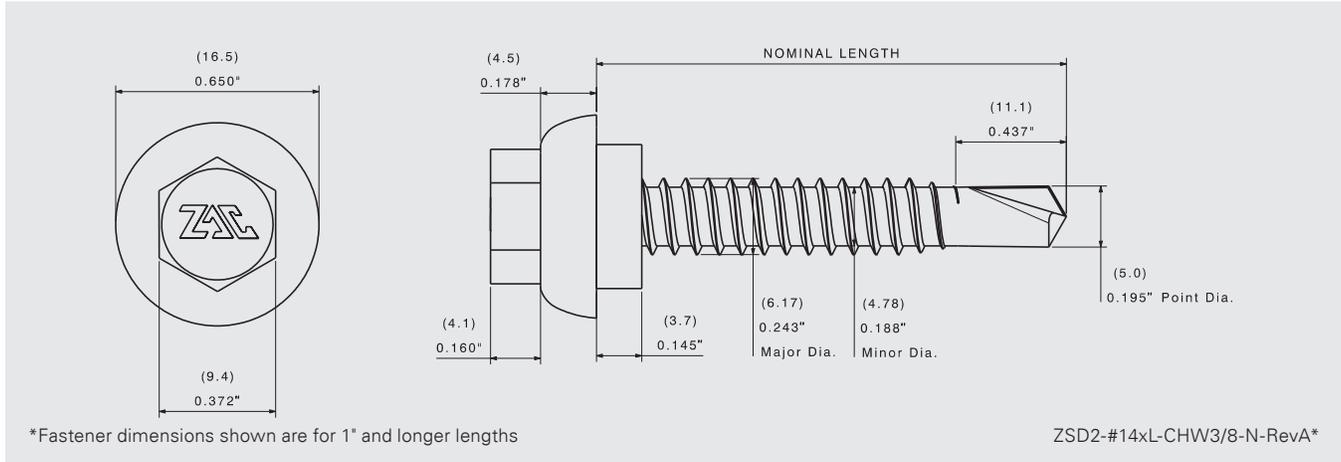
Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
798668	1-1/4"	32	Full	0.60"	15	ZSD2-#14x1-1/4-CHW3/8-N	46	2,000
799033	1-1/2"	38	Full	0.85"	22	ZSD2-#14x1-1/2-CHW3/8-N	44	1,500

Plain product bagged 250 pieces, unless otherwise noted.

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



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## Product Specifications

Diameter:	1/4" (6.17 mm)	Drill Point:	SD2
Threads Per Inch:	14	Drill Capacity:	0.050"–0.150" (1.27 mm–3.81 mm)
Head Style:	3/8" dia. Zinc aluminum capped HWH AF (9.4 mm)	Thread Major Dia:	0.243" (6.17 mm)
Washer:	EPDM sealing washer	Thread Minor Dia:	0.188" (4.78 mm)

## Performance Data<sup>1,2,3</sup>

### 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
<b>16 Ga (1.5 mm)</b>	642 lbf / 2855 N	903 lbf / 4017 N
<b>14 Ga (1.9 mm)</b>	940 lbf / 4181 N	1312 lbf / 5836 N
<b>12 Ga (2.7 mm)</b>	1538 lbf / 6841 N	2088 lbf / 9288 N

### Pull Over Strength Steel

<b>26 Ga (0.5 mm)</b>	616 lbf / 2740 N
<b>24 Ga (0.6 mm)</b>	884 lbf / 3932 N
<b>22 Ga (0.8 mm)</b>	1079 lbf / 4800 N

<sup>1</sup> SFS [4811.12, 4812.12]

<sup>2</sup> STQA50573

<sup>3</sup> 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.**