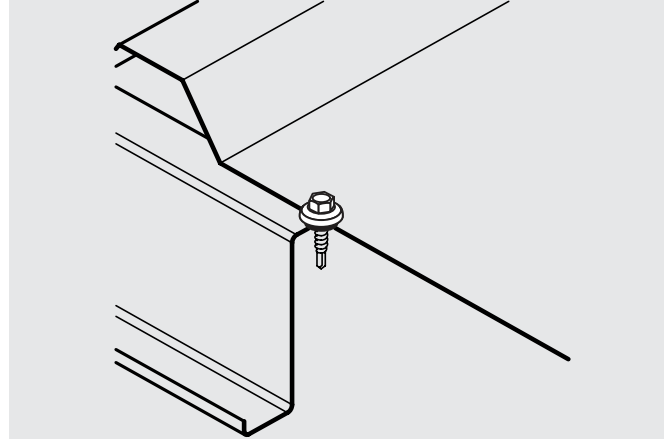


#12–14 ZAC[®] Impax SD3 (5/16") Metal to Metal Fastener



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

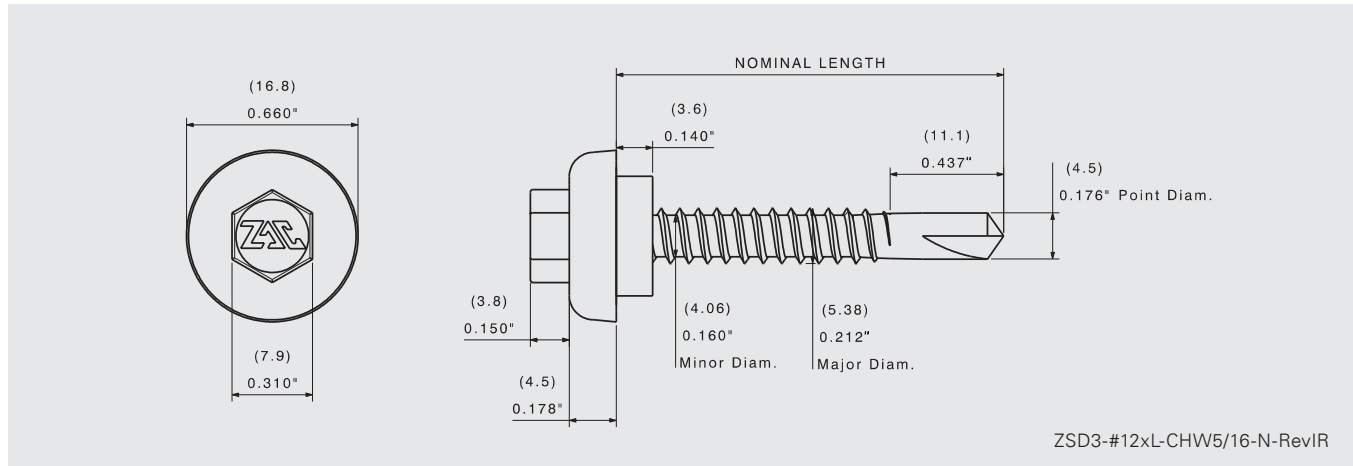
Product Selection

Material No.	Fastener Length		Thread Length*	Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)		(in)	(mm)			
794238	1"	25	Full	0.35"	9	ZSD3-#12x1-CHW5/16-N	36	2,000
1304673	1-1/4"	32	Full	0.60"	15	ZSD3-#12x1-1/4-CHW5/16-N	39	2,000
1015151	1-1/2"	38	Full	0.85"	22	ZSD3-#12x1-1/2-CHW5/16-N	32	1,500
796645	2"	51	Full	1.35"	34	ZSD3-#12x2-CHW5/16-N	25	1,000

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 (5/16") Metal to Metal Fastener



Product Specifications

Diameter: #12 (5.38 mm)
 Threads Per Inch: 14
 Head Style: 5/16" dia. Zinc alloy capped HWH AF (7.9 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^{1,2,3}

Material Strength

Tensile	2500 lbf / 11125 N
Shear	1800 lbf / 8010 N
Torsional	92 lbf-in / 10.4 N·m

Pull Over Strength Steel

26 Ga (0.5 mm):	654 lbf / 2909 N
24 Ga (0.6 mm):	1056 lbf / 4697 N
22 Ga (0.8 mm):	1249 lbf / 5556 N

Pull Out Strength Steel

	ICC protocol 45 ksi	SFS testing 56 ksi
16 Ga (1.5 mm)	482 lbf / 2144 N	665 lbf / 2958 N
14 Ga (1.9 mm)	741 lbf / 3296 N	901 lbf / 4008 N
12 Ga (2.7 mm)	1234 lbf / 5489 N	1524 lbf / 6779 N

¹ SFS [5083.14, 4812.11]

² STQA50573

³ PLK 18716

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.