

Impox™ — Sealer — Drill Screws

12-14 Impax sealer and 1/4-14 lap sealer self-drill

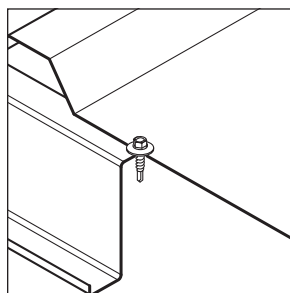
For metal to metal

- Integral cupped Hex Washer Head configuration fastener with an EPDM sealing washer instead of the traditional bonded sealing washer.
- Precision cold forged assuring superior point strength and the fastest drilling time performance through high strength steel and nested purlins.
- Delivers ultimate performance in light, medium and heavy gage applications.
- Designed and engineered to have low driving and thread engagement torque and provide maximum clamp load.
- Corrosion resistant coating system.

Application

**12-14 Impax Sealer SD3**  
Assembled EPDM washer  
Metal to metal

Drilling capacity: .035 – .210"  
Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.  
Min projection: 3/16" of threads below substrate



5/16" AF Cupped Hex Washer Head  
Thread Major Dia: .215 – .209  
Thread Minor Dia: .164 – .157

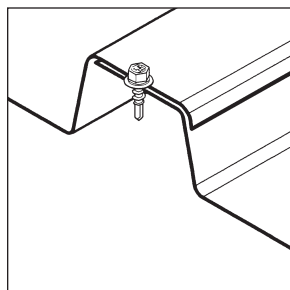
**Strength (lbs ult.):**  
Tensile: 2900  
Torsional: 92 in-lbs  
Shear: 2050

**Pull-out (lbs ult.):**  
12 ga (.105): 1524  
14 ga (.075): 901  
16 ga (.060): 665

**Pull-over (lbs ult.):**  
22 ga (.030): 1298  
24 ga (.024): 1102  
26 ga (.018): 692

**1/4-14 Impax Sealer Lap**  
Assembled EPDM washer  
Panel to panel side lap

Drilling capacity: .030 – .095"  
Some applications may require attaching light gage (24 – 26 ga) to sub-structural member.  
Composite thickness should not exceed .095".



5/16" Cupped Hex Washer Head  
Thread Major Dia: .246 – .240  
Thread Minor Dia: .192 – .185

**Strength (lbs ult.):**  
Tensile: 3800  
Torsional: 150 in-lbs  
Shear: 2850

**Pull-out (lbs ult.):**  
22 ga (.030): 379  
24 ga (.024): 304  
26 ga (.018): 204

Notes

Dimensions are nominal inches unless noted. Self-drill pull-out values (pounds ultimate) are based on 57,000 psi hot rolled steel material. Lap self-drill pull-out values are based on 40,000 psi AZ55 Galvalume steel sheet material. Ultimate values listed are the result of laboratory testing (5083.14). The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fasteners. #12 fasteners 1" and longer have special long pilot lengths to accommodate nested purlins.

Selection

Description	Available Lengths (L)	Example Code				
		Type	Diameter	Length	Head Style	Washer
#12-14 Impax Sealer SD3 EPDM washer	3/4", 1", 1-1/4", 1-1/2"	SD3-	#12x	1-1/2-	CHW5/16-	N
1/4-14 Impax Sealer Lap EPDM washer	7/8"	SDL-	#14x	L-	CHW5/16-	N

Installation

Tools: 0 – 2000 rpm screw gun equipped with depth sensing nose piece.

**Use of impact guns or hammer drills is not recommended.**

Options

VistaCoat®



Painted



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