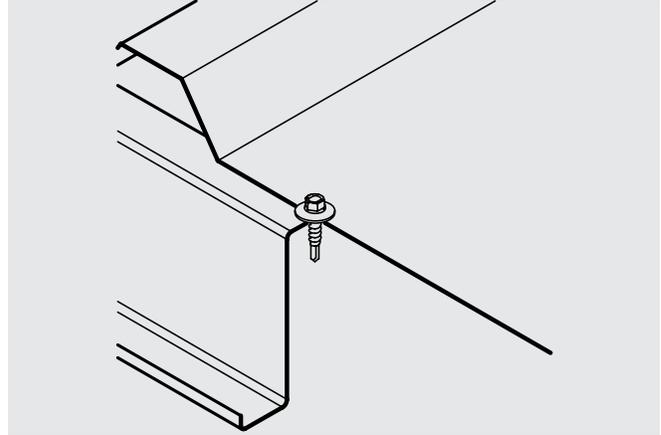


#12-14 Impax Sealer SD3 Metal to Metal Fastener



Features and Benefits

- Precision cold forged point assuring superior strength and the fastest drilling time performance
- Integral capped hex washer head with EPDM sealing washer
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Fasteners 1" and longer have special long pilot lengths to accommodate nested purlins
- VistaCoat® premium coating system
- VistaCoat® limited warranty

Application

Metal panel to light and medium gauge metal application

Product Selection

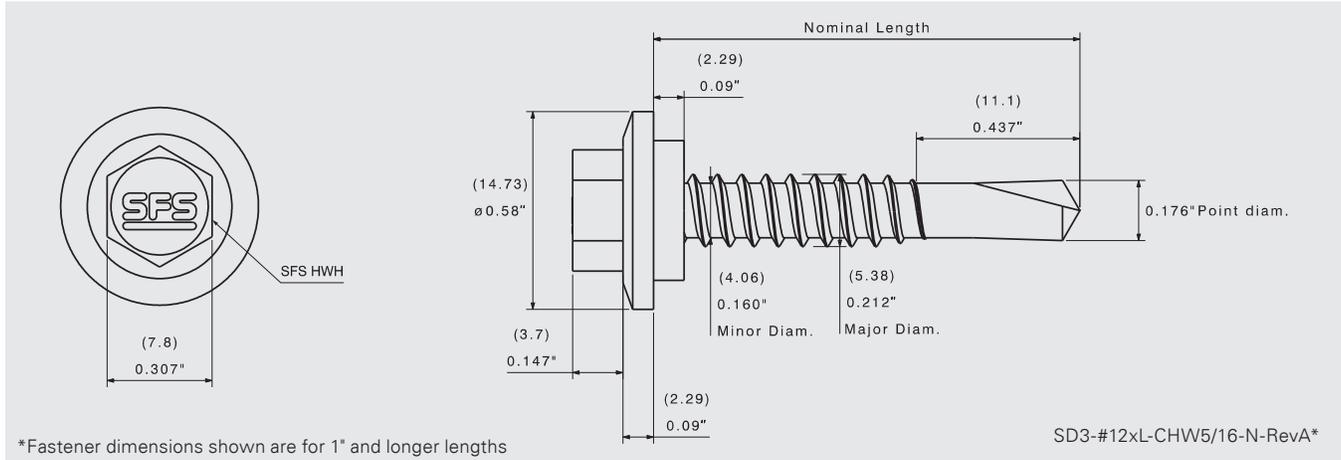
| Material No. | Fastener Length | | Thread Length* | Load Bearing Length | | Description | Carton Wt. (lbs.) | Carton Qty. |
|--------------|-----------------|------|----------------|---------------------|------|-------------------------|-------------------|-------------|
| | (in) | (mm) | | (in) | (mm) | | | |
| 1303221 | 3/4" | 19 | Full | 0.2257" | 6 | SD3-#12x3/4-CHW5/16-N | 28 | 2,500 |
| 1303490 | 1" | 25 | Full | 0.3487" | 9 | SD3-#12x1-CHW5/16-N | 34 | 2,500 |
| 1303719 | 1-1/4" | 32 | Full | 0.5987" | 15 | SD3-#12x1-1/4-CHW5/16-N | 39 | 2,500 |
| 1303990 | 1-1/2" | 38 | Full | 0.8487" | 22 | SD3-#12x1-1/2-CHW5/16-N | 34 | 2,000 |

Plain product bagged 250 pieces, unless otherwise noted.

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



#12-14 Impax Sealer SD3 Metal to Metal Fastener



Product Specifications

Diameter: #12 (5.38 mm)

Threads Per Inch: 14

Head Style: 5/16" dia. Cupped HWH AF (7.8 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 | Pull Over Strength Steel | |
|-----------------------|---------------------|--------------------|--------------------------|-------------------|
| 16 Ga (1.5 mm) | 516 lbf / 2295 N | 665 lbf / 2958 N | 26 Ga (0.5 mm) | 692 lbf / 3078 N |
| 14 Ga (1.9 mm) | 782 lbf / 3478 N | 901 lbf / 4008 N | 24 Ga (0.6 mm) | 1102 lbf / 4902 N |
| 12 Ga (2.7 mm) | 1315 lbf / 5849 N | 1524 lbf / 6779 N | 22 Ga (0.8 mm) | 1298 lbf / 5774 N |

¹ SFS [5083.14]

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.