



The right way to attach almost anything to metal roofs!

## Installation Instructions

**S-5!® Warning!** Please use these products responsibly! Visit our website or contact your S-5! distributor for available load test results.

**IMPORTANT NOTICE to S-5! users:** Due to the many variables involved with specific panel products and job particulars, -the manufacturer cannot and does not express any opinions as to the suitability of any S-5! assembly for any specific application and assumes no liability with respect thereto.

S-5! products are tested for ultimate holding strength on various profile types, materials, and brands of manufacture. This information is available from the S-5! website: [www.S-5.com](http://www.S-5.com). This document is an installation guide only and the photographs and drawings herein are for the purpose of illustrating installation, tools and techniques, not system designs. Information contained within is intended to apply to the document as a whole.

The S-5-ZH Mini is designed to fit numerous (but dimensionally specific) bulb seam profiles. These profile types are vast with new variations coming into the market regularly. These clamps may not be suitable for every such profile. To avoid potential damage to roof seam it is important to verify clamp-to-roof suitability prior to installation. Consult the S-5! load table for suitability.

## Tools Needed

- Screw Gun\*
- T-30 Torx Bit Tip (provided)
- Dial-Calibrated Torque Wrench  
(For accurate tension values, do NOT use a clicking torque wrench).

## To Install S-5-ZH Mini

1. Load the setscrew into the clamp. **(Fig 1)**
2. Position clamp and insert at desired location along the seam as shown. **(Fig 2)**

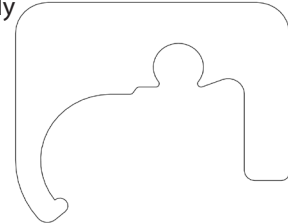
NOTE: On some panel profiles it may be necessary to place the clamp onto the seam first and then slide the insert into the clamp body.

### Components

0.50" Round Point Setscrew



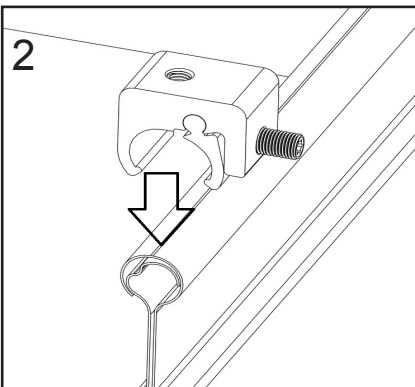
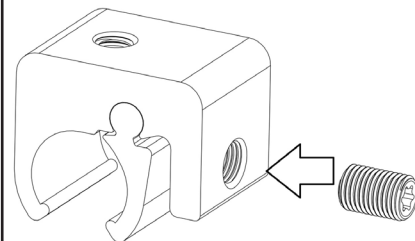
S-5-ZH Mini Clamp Body



S-5-ZH Mini Insert



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3. The clamp should be over the seam and insert as shown. **(Fig 3)**
4. Tighten the setscrew using a screw gun\* and the included bit tip **(Fig 4)**. Setscrew must be torqued to within 75 - 95 Inch Pounds [9.5 - 11 Nm]. When relying on published load values, setscrew tension should be verified periodically using a dial-indicating calibrated torque wrench to ensure the tool is consistently achieving the recommended torque range.

**\* For time-saving tool recommendations, call S-5!**

