

Installation Instructions

S-5![®] Warning! Please use these products responsibly! Visit our website or contact your S-5! distributor for available load test results. The user and/or installer of these parts is responsible for all necessary engineering and design to ensure the S-5-USF Mini or S-5-EF Mini has been properly spaced and configured.

Notice to S-5! users: Due to the many variables involved with specific panel products, climates, snow melt phenomena, 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 and materials. This information is available from the S-5! website: 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.

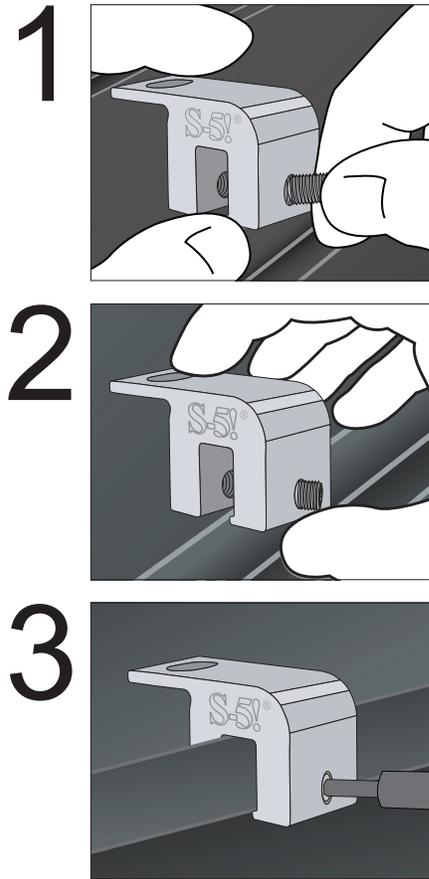
The clamps included in this installation guide are components of the S-5! Utility System. The S-5-USF Mini is designed to fit 85% of U.S. standing seam profiles. The S-5-EF Mini is designed to fit double-fold standing seam profiles. When attaching to machine folded seams (regardless of panel profile and geometry), S-5! clamps are designed to engage the seam as shown.

Tools Needed

- Screw Gun
- 3/16" Allen Bit Tip (Provided)

To Install S-5-USF Mini / S-5-EF Mini

1. Partially thread the setscrew into the clamp by hand.
2. Determine how to position the clamp. On many snap-together type seams, the setscrew is opposite the open (or overlap) side of the seam. On some seams, this aspect of clamp orientation is not critical.
3. Tighten the setscrew at the base of the clamp using a screw gun and the included screw gun bit tip. For optimal holding strength, the setscrew should be tensioned to 160 to 180 inch pounds on 22ga steel, and 130 to 150 inch pounds on all other metals and thinner gauges of steel. The slotted thru-hole in the flange is designed to accommodate a variety of nut and bolt connections.



Above illustrations show S-5-USF Mini.

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Products are protected by multiple U.S. and foreign patents. Visit the website at www.S-5.com for complete information on patents and trademarks. For maximum holding strength, setscrews should be tensioned and re-tensioned as the seam material compresses. Clamp setscrew tension should be verified using a calibrated torque wrench between 160 and 180 inch pounds when used on 22ga steel, and between 130 and 150 inch pounds for all other metals and thinner gauges of steel. Consult the S-5! website at www.S-5.com for published data regarding holding strength.

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These instructions are for use by those experienced in the trade. Always follow appropriate safety precautions and use appropriate tools.