

S-5!®

The Right Way!

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

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-U 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 S-5-U clamp is made for typical 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. For horizontal seam applications, the setscrews must be accessible from the top for tightening.

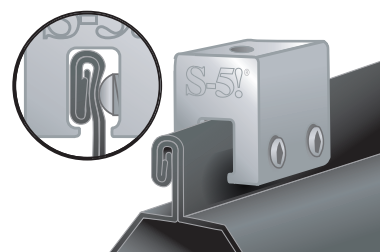
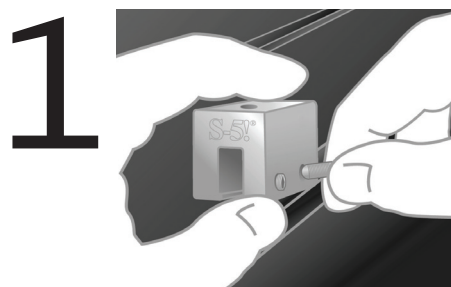
Tools Needed

- Screwgun
- 3/16" Allen Bit Tip (Provided)
- Dial-Calibrated Torque Wrench*

(*For accurate tension values, do NOT use a clicking torque wrench.)

To Install S-5-U:

- 1) The S-5-U has four setscrew locations to make the clamp more versatile, however, only two setscrews are used per clamp. The setscrews should always be placed on the same side of the clamp. Partially thread the setscrews into the clamp by hand.
- 2) Determine how to position the clamp. On many snap-together type seams, the setscrews are opposite the open (or overlap) side of the seam. On some seams, this aspect of clamp orientation is not critical.
- 3) Tighten the setscrews at the base of the clamp using a screwgun and the included screwgun bit tip. For optimal holding strength, setscrews 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.



S-5!® Warning! Please use this product responsibly!

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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The right way to attach almost anything to metal roofs!

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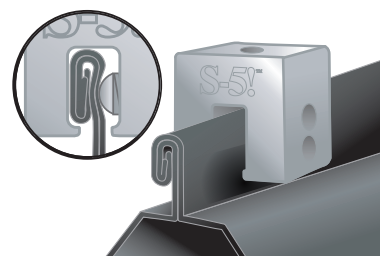
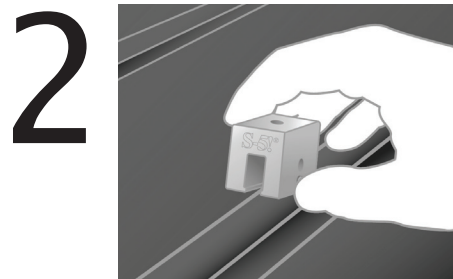
Installation Instructions

S-5! mini clamps are cost effective, non-penetrating standing seam clamps designed for medium-duty applications. They are a bit shorter than the standard clamps, having one setscrew rather than two.

The S-5-U Mini is designed to fit typical standing seam profiles.

To Install S-5-U Mini:

- 1) The S-5-U Mini has two setscrew locations to make the clamp more versatile, however only one setscrew should be used per clamp. Partially thread the setscrew into the mini clamp by hand.
- 2) Determine how to position the mini clamp. On many snap-together type seams, the setscrew is opposite the open (or overlap) of the seam. On some seams this aspect of clamp orientation is not critical.
- 3) Tighten the setscrew at the base of the mini clamp using a screwgun and the included screwgun bit tip. For optimal holding strength, 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.



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