

## INSTALLATION INSTRUCTIONS

Stop! Has your snow retention system been designed properly with the assistance of Snow Retention Warehouse? Notice to product users: Specific layout and assembly schematics for SRW products are the responsibility of the user or project designer.

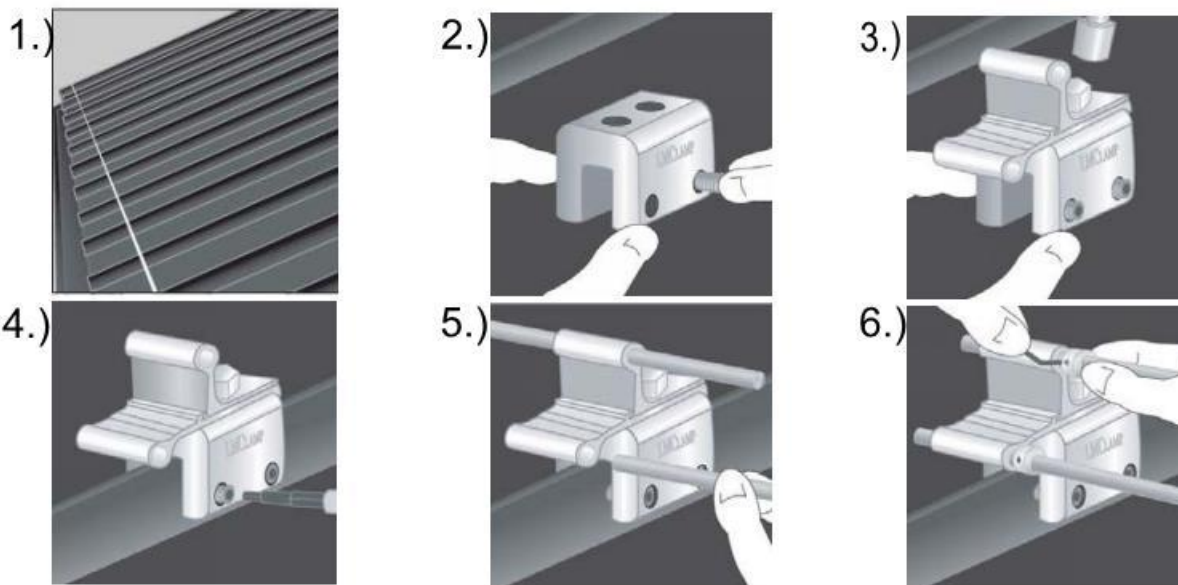
Due to the many variables involved with specific panel products, climates, snow melt phenomena, and job particulars, SRW cannot and does not express any opinions as to the suitability of any assembly for any specific application and assumes no liability with respect thereto. The Clamp was tested for ultimate holding strength on various seam types and materials. This information is available from SRW. 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. Clamp spacing should never exceed 24" with standard products. Please contact SRW for products to accommodate a seam spacing greater than 24".

### Tools Needed

- Electric Screw Gun
- Hack Saw
- Calibrated Torque Wrench
- String Line
- Mallet or Pliers
- Allen Wrench (included)

### To Install the Snow Retention System

- 1.) Before You Start: First, use a string line across the top of the panel seams at the desired location to establish a true line for installation of the Clamps. Individually measuring each clamp location from the eave is **not** recommended.
- 2.) Preparing the Clamps: Thread the set screws partially into all clamps by hand. On folded seam profiles, the setscrew should engage the folding contours rather than the smooth side of the seam.
- 3.) Preparing the Assembly: Install the Snow Strap-lower (and upper if installing two rod system) using the supplied 10mm flanged head bolt.
- 4.) Install clamp assemblies onto roof panel using the string line as a guide. Tighten All Setscrews: For maximum holding strength, set-screws should be tensioned and re-tensioned as the seam material compresses. Screw 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.
- 5.) Install the 3/8" rod through the Snow Straps. If installing SnoClips, be sure to slide the SnoClip onto the lower 3/8" rod before installing the rod into the next Snow Strap. The SnoClip should face upslope.
- 6.) A 7/16" stop collar should be installed on the inside of the first & last clamp and at 35ft intervals.



#### WARNING!

#### PLEASE USE THIS PRODUCT RESPONSIBLY!

Any loads imposed on Clamp(s) or attachment brackets will be transferred to the roof panels and/or building structural components. Panels must be adequately attached to the building structure to resist these loads. For critical installations, inquire for specific test data of ultimate tensile load on specific panel materials, or into specific structural components (ie: wood decking, purlins, ect.). When ultimate values are used, screw tension and/or the proper fastener should be verified and installed as tested with appropriate safety factors in place.

THE MANUFACTURER EXPRESSES NO OPINIONS AS TO THE SUITABILITY OF THE Clamp(S)BRACKETS FOR ANY SPECIFIC PROJECT CONDITION. ALWAYS PROVIDE WORKER FALL PROTECTION WHEN INSTALLING SRW PRODUCTS.

SRW does not test or approve its products for use as a personal fall restraint device or within such a fall restraint system. SRW clamps/brackets should only be used for such applications when specifically engineered and tested by a specialty company engaged in this field.

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