



Raising the Bar in Snow Retention

Installation Instructions for the Sno Barricade® Casted Clamp

To be used with most standing seam roof systems

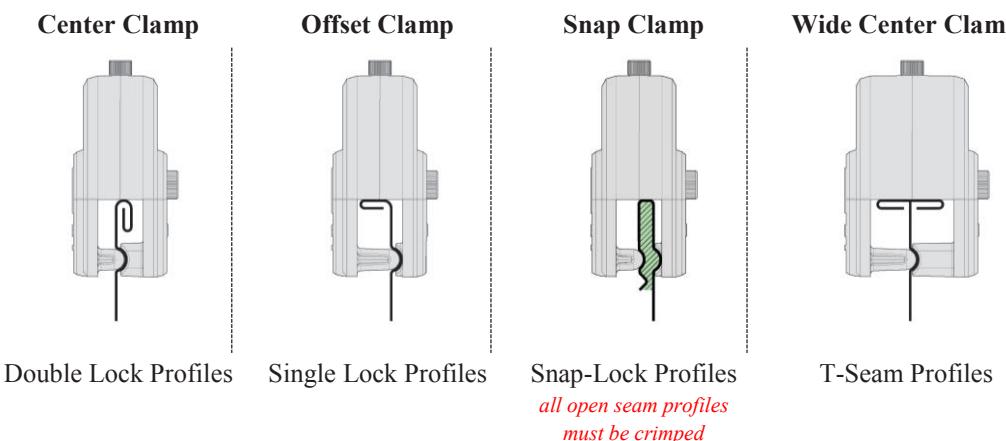
INTRODUCTION:

The following installation instructions are provided solely in an effort to assist installers. Sno Gem, Inc. strongly recommends that these products be installed by a qualified Roofing Contractor who will have the knowledge and ability to properly install the product. Sno Gem, Inc. does not take any responsibility for acts, errors or omissions of the installer and cannot be held responsible for product installation.

INSTALLATION INSTRUCTIONS:

A. SNO BARRICADE CASTED CLAMP:

1. Measure the distance from the eave for the first row of the Sno Barricade® snow retention system and use a string line over the panel seams to establish a straight guideline for installation.
2. Combine the (2) halves of the Sno Barricade® Casted Clamp over the seam exactly as shown in the orientation below and use (2) 5/16"-18 x 1" stainless steel socket cap screws to attach the halves together. Be sure to use a calibrated torque wrench to verify each cap screw is tightened to a recommended torque no less than 250 in/lbs.



3. Using a calibrated torque wrench, tighten the stainless steel set screw located towards the bottom of the clamp. The set screw should be torqued and verified per the following recommendations.
Note: Contact Sno Gem® for the recommended torque values of any metal gauge and/or material not listed below.
 - a. 24 Ga. Steel = 130 in/lbs – 150 in/lbs.
 - b. 22 Ga. Steel = 160 in/lbs – 180 in/lbs
4. Verify the Sno Barricade® Casted Clamp is secure, and then repeat steps 2-3 for the remaining clamps. Be sure to follow the Architect's and/or Engineer's required spacing and/or layout, including their adjustments for field conditions, if any (A recommended layout is furnished by Sno Gem, Inc. only upon written request).

B. TUBING, INSERTS AND END CAPS:

1. Once the Sno Barricade® Casted Clamps have been installed and verified to be properly torqued to the manufacturer's recommendations, slide a section of square tubing through the opening of the clamp.



2. Slide the entire section of square tubing so that the end is no more than 6" from/past the last Sno Barricade® Casted Clamp.
3. Once section of square tubing has been slid into place, insert and tighten the 1/4"-20 stainless steel cap screw at the top of the Sno Barricade® Casted Clamp to hold the tubing in place and prevent any lateral movement.
4. Use a Sno Gem® insert to connect (2) adjoining sections of square tubing. Make sure to slide the square tubing up to the indication line on the insert as this provides the proper gap for thermal expansion/contraction.
5. Repeat steps 1-4 for all remaining sections of square tubing.
6. After a full row, install an end cap simply by pressing them into the exposed opening at the end of the tubing.

C. BARRICADE PLATE™ (RECOMMENDED):

1. Set the Barricade Plate™ so that the pre-punched hole is on the upside slope of the tube or so that it is not visible from the ground. Use a self-tapping screw to secure the Barricade Plate™ to the tube.
2. Verify the Barricade Plate™ is secure, then repeat step 1 for the remaining Barricade Plates™. Be sure to follow the Architect's and/or Engineer's required spacing and/or layout, including their adjustments for field conditions, if any (A recommended layout is furnished by Sno Gem, Inc. only upon written request).

Please contact Sno Gem, Inc. at (888) 766-4367 should you have any questions.