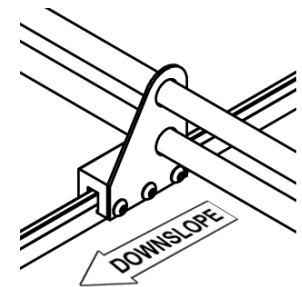
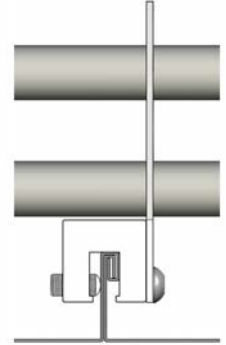


Installation Instructions for #4000 Pipe Style Snow Guards

I. Bracket Installation

1. When attaching clamps to seams which are machine folded (regardless of panel profile and geometry), the S-5-U clamp is designed to engage the seam as shown in the illustration to the right.
2. **ALL 3 SET SCREWS MUST BE IN THE SAME SIDE OF THE CLAMP**
3. NOTE: Some seams may require additional hand crimping at the clamp location.
4. Assemble the three set screws into the same side of the clamp, being careful that the snow guard bracket/flag will be in the desired (upslope or downslope) orientation, with the set screws on the correct side of the seam.
5. Position the clamps appropriately on the panel seam. Using a 3/16" allen-wrench attachment tip for a 1/4" drive screwgun, tighten and retighten the set screws as the seam material compresses. (These screwgun tips are available from your S-5! product distributor). On low seam profiles, a 4" bit extension on the screwgun will facilitate this work. Most industrial grade screwguns are rated at 115 inch-pounds tightening torque and will deliver between 115 and 150 in.-lbs (13-17Nm) at the *highest torque setting*. Please see ultimate load table on the back of this page or attached page for proper screw tensions and caution notes for various panel seams.
6. **CAUTION:** Battery-operated guns may not deliver consistent screw tension. Drywall guns may not deliver adequate tension.
7. Insert the 1" o.d. tubing through the holes in the uprights.
8. See Pipe Coupling Installation instructions in the Pipe Accessories Installation document for installing the 1" o.d. tubing.

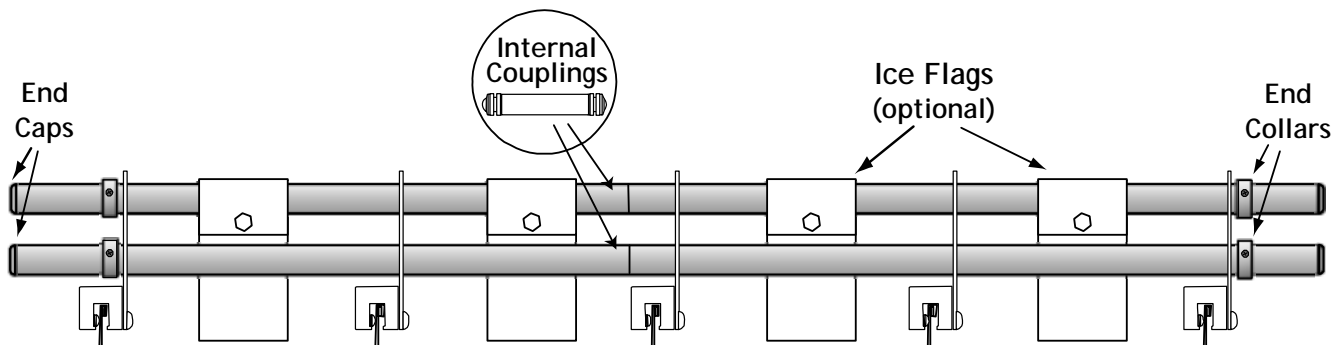


II. Locking Collars, End Caps, and Ice Flags (optional)

See the Pipe Accessories Installation document for instructions on using the Internal Coupling (#86), End Caps (#56), End Collars (#65) and Ice Flags (#96).

III. Bracket Assembly

See illustration to the right for assembly of the #4000 bracket.



The S-5! clamp is a handy gadget for a great many uses, but will not perform miracles. PLEASE USE THIS PRODUCT RESPONSIBLY! Any loads imposed on the S-5! clamp will be transferred to the panels. Panels must be adequately attached to building structure to resist these loads. For critical installations, inquire for specific test data of ultimate tensile load on specific panel materials and seam types. When tabled values are used, screw tensions should be verified and factors of safety should be used as appropriate. The manufacturer expresses no opinions as to the suitability of the S-5! for any specific application or project condition. ALWAYS PROVIDE WORKER FALL PROTECTION WHEN INSTALLING S-5!. THE S-5! CLAMP IS NOT APPROVED FOR USE AS A PERSONAL FALL RESTRAINT DEVICE
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#4000 Two-Pipe Clamp to the Seam Snow Guard for Standing Seam Metal Roofs