

Installation Instructions for ASG4000G Snow Guard (U & T Configurations)

I. Bracket Installation

- A. When attaching clamps to seams which are machine folded (regardless of panel profile and geometry), the ASG-U4 clamp is designed to engage seams up to 3/8" thick. For horizontal seam applications, set screws must be accessible from the top of the bracket for tightening. On many snap together type seams, the set screws are opposite the open, or overlap side of the seam. On some types of panel seams, the aspect of clamp orientation is not critical. Note – The **ASG4000G-U & ASG4000G-T** can only be used in the "1," "2," and "3" and "4" positions. These positions are shown on our website.
- B. Only three set screws are used in any given ASG4000G installation.
- C. Position the clamps appropriately on the panel seam. Using a 3/16" allen-wrench attachment tip for a 1/4" drive screw gun, tighten and retighten set screws as the seam material compresses. Most industrial grade screw guns are rated at 115 inch-pounds tightening torque and will deliver between 115 and 150 lbs (13-17Nm) at the *highest torque setting*.
- D. Insert the 1" O.D. tubing through the holes in the uprights.
- E. See Pipe Coupling Installation instructions for installing the 1" O.D. tubing.

II. Locking Collars, End Caps

- A. Locking collars (PP65) should be placed over each end of each line of tubing. Center the tubing on the snow guards and tighten the set screw on the collar until it no longer slips.
- B. End caps (PP56) are installed by pressing the cap into the end of the pipe.

III. Bracket Assembly (an assembly detail for the ASG4000G bracket is available from Alpine SnowGuards)



Snow guard layout for pipe style bracket

- Contact the manufacturer for detailed layout.
- Do not install runs of snow retention bar more than 100 feet long without a break to allow for thermal expansion.
- First row of snow guards are installed above outer most wall or support of the building.
- Do not use as Fall Arrest Anchors.
- Be sure that panels are securely fastened to the roof to absorb the loads being transferred by the snow retention system.

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