

## **ASG4025-MINI Snow Guard Installation Instructions**

### **Typical Roof Types:**

- Metal Standing Seam (Vertical / Double Lock Panels)

### **I. Bracket Installation**

- A. When attaching clamps to seams which are machine folded (regardless of panel profile and geometry), the 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 ASG4025-MINI can only be used in the "2," "3" and "4" positions. These positions are shown on our website.
- B. ALL SET SCREWS MUST BE INSTALLED IN THE SAME SIDE OF THE CLAMP.**
- C. NOTE: Some horizontal seams may require additional hand crimping at the clamp location.
- D. Only two set screws are used in any given ASG4025-MINI installation.
- E. 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*.
- F. Insert the 3/8" rod through the holes in the uprights.

### **II. End Collars**

- A. End Collars (RD65) should be placed over each end of each length of rod. Center the rod on the snow guards, ensuring that the End Collars are placed on the inside of each end bracket, then tighten the set screw on the End Collar until it no longer slips. On the inside of each clamp, a 1" minimum gap is required to allow for thermal expansion.



Snow guard layout for pipe style bracket:

- Contact the manufacturer for detailed layout.
- Do not install runs of snow retention bar more than 48 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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