



## ASG4025-Mini Snow Guard Installation Instructions

### ROOF TYPES

- Metal Standing Seam (Single Lock, Double Lock, Snap Lock)

### CONSIDERATIONS

- ASG4025-MINI bracket engages machine folded seams up to 3/8" thick.
- ASG4025-MINI is only recommended for roofs meeting the following criteria:  $\leq 4/12$  pitch, with a rafter length  $\leq 10'$ , and a ground snow load of  $\leq 40$  psf.

### INSTALLATION

1. Position clamps on the vertical panel seam.
2. Using a 3/16" Allen-wrench attachment tip for a 1/4" drive screw gun, tighten and retighten set screws as seam material compresses.  
**Note:** Most industrial-grade screw guns are rated at 115 inch-pounds tightening torque and deliver between 115 and 150 lbs (13 - 17Nm) at the highest torque setting.
3. Insert 3/8" rod through holes in uprights.
4. On runs longer than 6', join rods with external couplings (RD87).  
**Note:** Rod-style snow guards must have a break in the assembly every 48-foot eave length to allow for thermal expansion.
5. End Collars (RD65) should be placed over the end of each rod run.
6. Align the rod between the brackets, ensuring the End Collars are placed inside each end bracket. When installed, the rods should not overhang the end bracket by more than 6".  
**Notes:** A minimum 1" gap between the bracket and End Collar is required to allow for thermal expansion.
7. Tighten the set screw on End Collar until it no longer slips.

### SNOW GUARD LAYOUT FOR PIPE-STYLE BRACKETS

- Contact Alpine SnowGuards for detailed layout.
- Do not install runs of snow retention systems more than 48 feet long without a break to allow for thermal expansion.
- First row of snow guards is 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 roof to absorb loads being transferred by snow retention system.

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