



Installation Instructions for PP502 & PP503 Snow Guards on Composition Shingles

- I. Base Plate (The base plate is the flat stainless steel piece with the two threaded studs. Base bracket comes riveted to base plate in brass variation)
 - A. The base plate (1) is 12" long and 6" wide.
 - B. Install the base plate (1) in the roof assembly such that the butt of the base plate (1) lies on top of a shingle and rests aligned with the butt of the shingle.
 - C. Fasten the base plate (1) to the roof deck using a minimum of 4 fasteners.
 - D. Strip in the top portion of the base plate (1) (the portion that will be concealed below the next course of shingles) using material such as ice and water shield.
 - E. Continue installing shingles around and over base plate (1).
 - F. Consult with an engineer, snow guard manufacturer or fastener company to determine the fastener required for attaching the base plate (1) to the substructure.

- II. Installation of PP500 Series Snow Guard Bracket (see PP502 - PP503 snow guard assembly sheet)
 - A. Install snow guard bracket (2) over threaded rods.
 - B. Place one gasket washer (3) over each stud, pushing down tight to snow guard.
 - C. Place locking nut (4) over gasket washer (3) and tighten.
 - D. Insert tubing (PP75) through the holes in the uprights.

- III. Installation of PP500 Series Brass Snow Guard Bracket (see PP502 - PP503 brass snow guard assembly sheet)
 - A. Insert tubing (PP75) through the holes in the uprights.



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

- A. Locking collars (PP65) should be placed over each end of each line of tubing. (NOTE: You will have to stagger the collars from outside to inside on 3 pipe styles.) 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.
- C. Ice flags (PP95), if used, should be placed over the top tube so that the long leg rests against the uphill side of the tubes. Use the bolt and nut to hold the ice flag in position.

Snow guard layout for pipe style brackets

- 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.

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