



## BERGER Real Tool™ AP 300/AP 400/AP 516 Snow Guards Installation Instructions



The AP snow guard's primary design is to accommodate standing seam metal roofs.

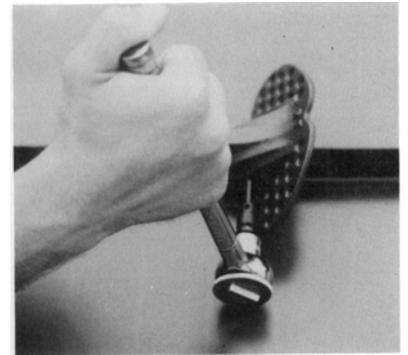
The AP 300 snow guard is designed to accommodate a seam of up to 9/32" (0.297") in thickness and at least 1.25" high, including high double locked mechanically closed seams and single locked preformed architectural panels

The AP 400 snow guard is designed to accommodate a seam of up to 3/8" (0.400") in thickness and at least 1.5" high, including snap-lock inter-locking panels

The AP 516 snow guard is designed to accommodate a seam of up to 0.5" (0.516") in thickness and at least 1.5" high.

**Finishes:** AP Series snow guards are available in Mill Finished Aluminum, Primer Finish and Custom Color.

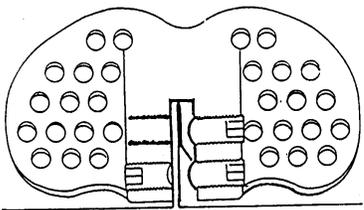
**Installation:** A 7/32" hex bit is needed for installation. AP snow guards are furnished with a factory-installed oval and dish tipped setscrew combination, which should be tightened in place with a hex-bit socket. The enclosed packet of screws is for field installation. Generally, the right side is easier for the installer but this will depend on panel style. Torque set screws in a manner to align snow guard with the roof panel. Torque will vary depending on the type and gauge of the metal roofing; the recommended method for determining proper torque is to install one first, with the blade on the uphill side. After tightening the setscrews, loosen and remove the unit, and inspect the indentations created in the metal to see that proper compression was obtained. **Over tightening can cause damage to snow guard resulting in failure. Maximum torque 28 ft lbs**



Note: Each AP snow guard comes with a third positioning screw. The guard may tilt to the left or to the right after the setscrews are tightened. The third setscrew is used only to straighten the guard, not attach it.

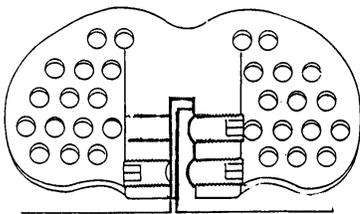
**Snap-type Seam installation:** The AP snow guard is designed to be installed with the oval tipped set screw located on the shaped face of the Snap-seam (see illustration), and although it is factory installed on the right side of the device, it is easily reversed.

**Structural Panels** (see illustration) the screw will be located on the same side as the leg faces.



**Snow guard Placement** will vary from region to region and will be influenced by roof pitch, as well as the lengths of runs and spacing between seams. Local custom may not be the best guide as to placement, and additional recommendations can be found in SMACNA and other published industry standards. Ultimately, placement should be determined by a qualified design professional.

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