SnowGuardWarehouse.com

Snow Guards and Rails for All Types of Roofs

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1.0 PRODUCT NAME

BERGER Real Tool® **AP 400** Snow Guard

2.0 MANUFACTURER

Berger Building Products, Inc
805 Pennsylvania Blvd.
Feasterville, PA 19053
info@bergerbuildingproducts.com
(215) 355-1200
(800) 523-8852
(215) 355-7738 (FAX)

3.0 DESCRIPTION

Basic Use: BERGER Real Tool® **AP 400** Snow Guard is a device designed for the prevention of damage caused by the sliding of snow and ice on standing seam metal roofs.

Limitations BERGER Real Tool® **AP 400** Snow Guard is designed to accommodate a seam of up to 0.40" thick and at least 1.25" high, including snap-lock inter-locking panels

Finish Styles: BERGER Real Tool® **AP 400** Snow Guards are manufactured in four finishes: Mill Finish, Primer Finish, Custom Color Finish and Bronze. The mill-finished is an unpainted aluminum casting. The primed is E Coated using a Cathodic Electro Deposition process. The CED Epoxy primer has a black color and extended shelf life that can be top coated by contractors with a wet or dry paint system. This primer must be top coated prior to installation. BERGER will also provide the **AP 400** in a custom color finish. Imron® polyurethane enamel paint is used for the custom color finish and can be matched to virtually any non-metallic paint finish.

4.0 INSTALLATION

Preparation

Determining Proper Torque

Torque will vary depending on the type and gauge of the metal roof. The recommended method for determining proper torque is to install one unit first. After tightening the stainless steel set screws, loosen and remove the unit, inspecting the indentations created in the seam to see that the proper compression was obtained. Remember, the screw closest to the blade derives its strength from the blade, and if extra torque is needed, apply it to that screw.

Application

Snow Guard Placement

Snow Guard placement will vary from region to region. Roof pitch, as well as lengths of runs and seam spacing influence the layout. Local custom may not be the best guide as to placement. Additional recommendations can be found in SMACNA and other industry standards. BERGER can provide free custom layout design. Ultimately, placement should be determined by a qualified design professional.

5.0 AVAILABILITY, COST & TECHNICAL SERVICE

BERGER Real Tool® **AP 400** Snow Guards are in stock and ready for immediate shipment. Call (800) 523-8852 for cost and additional information or technical assistance

6.0 WARRANTY

Berger Building Products, Inc (BBPI) warrants that the products it manufactures shall be free from material defects. Should any of the products prove defective, the obligation of BBPI under this warranty shall be limited to replacement of the defective product or at our option the cost of the product originally shipped by Berger. This warranty is expressly in lieu of all other warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose. There are no warranties, which extend beyond the description on the face hereof. BBPI in no event, whether claim is based on warranties, contract negligence or otherwise, is liable for incidental or consequential damages. Berger Building Products, Inc (BBPI) will not be responsible for misapplication or modification of product, incorrect material or defects that were obvious at time of installation. Any consequential damage, schedule delays, additional labor, and or equipment rental costs will not be BBPI responsibility. Any BBPI product warranty claim is limited solely to Berger Building Products, Inc.

Product Properties	**BERGER Real Tool® AP 400 Snow Guard**
Material	**Aluminum Castings**: ALMAG 35 535 Alloy ASTMB26 QQ-A-601E 40,000 PSI Ultimate Tensile Strength 20,000 PSI Ultimate Yield Strength
Color / Finish	Mill Finish
	Primer Finish
	Custom Color
Weight per piece	.760 lbs.- Aluminum / 1.96 lbs Bronze
Pieces per box	50 Aluminum / 25 Bronze

*Imron® is a registered trademark of Dupont

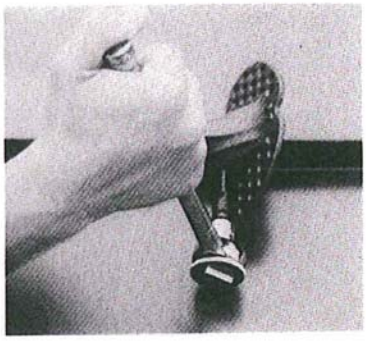
BERGER Real Tool™
AP 300/AP 400/AP 516 Snow Guards
Installation Instructions

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.

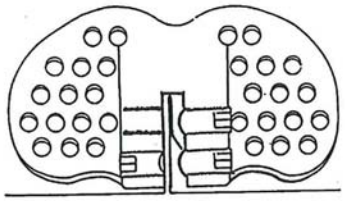
Installation: A 7/32" hex bit is needed for installation. **AP** snow guards are furnished with a factory-installed oval and dish tipped setscrew combination, which should be tightened in place with a hex-bit socket. The enclosed packet of screws is for field installation. Generally, the right side is 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**

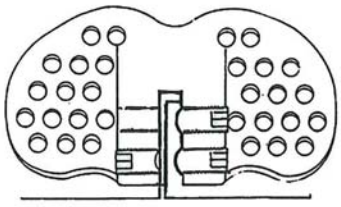


Note: Each **AP** snow guard comes with a third positioning screw. The guard may tilt to the left or to the right after the setscrews are tightened. The third setscrew is used to only to straighten the guard, not attach it.

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.





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