

Berger RT Series Snow Guard

For Standing Seams on Metal Roofs

Installation Instructions:

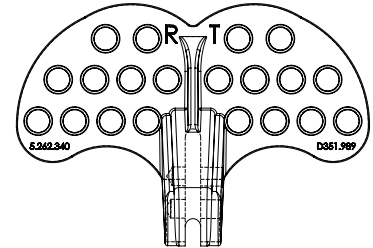
Berger RT® Snow Guards are non-penetrating devices which are secured to the standing seams of metal roofs utilizing stainless steel set screws to clamp them in place. They require no glues or sealants, and will not restrict thermal movement or contribute to unsightly oil-canning. They are particularly suited to double-lock and mechanically seamed metal roofing, and being traditional in design, they are ideal for restoration and preservation work

RT 200 - Designed to accommodate a seam of up to 3/16" (0.188") thick and 1.25" tall

RT 300 - Designed to accommodate a seam of up to 9/32" (0.297") thick and 1.25" tall

The technical information is for informational purposes only and is not intended to replace the manufacturer's recommendations for a particular project. We will provide layouts upon receipt of roof plan with elevations. Manufacturer is not responsible for improper installation, or installation in insufficient quantities.

Every roof is not the same! Call today for a custom layout.



General Information:

Snow guards are devices that are attached to the roof structure in order to uniformly retain and hold snow in place on the roof area. The snow guards need to be applied in sufficient quantity according to a prescribed pattern in order to be effective. Snow Guards are intended to prevent snow movement and provide for the controlled melt and breakdown of the snow mass into smaller sections.

Snow guard placement will vary from region to region and will be influenced by roof pitch, the lengths of roof runs and roof features. Local installation customs may not be the best guide for placement. Additional information can be found in sheet metal and air conditioning contractors' national association (SMACNA) architectural sheet metal manual.

Berger Building Products, Inc. recommends that a qualified roofing contractor be employed to install these products. Roofing professionals have the proper equipment, knowledge and ability to complete the task in a safe and satisfactory manner. The applicator is responsible for compliance with regulations governing local building ordinances and safety regulations.

Safety Hazards

- Roofing can be hazardous! Serious injury or fatality can result from falls or electrocution from contacting overhead wires. Observe ladder safety rules for load, positioning and security.
- Please make sure all roof surfaces are dry and clean before working. Avoid working in excessive heat, high wind or when there is a threat of lightning. Never work alone.
- Do not allow material to be unsecured on the roof. Falling objects are dangerous.
- Prior to application, Berger Building Products, Inc. requires that the installer evaluate all products in order to determine fitness for use.

Do not use Competing/Dissimilar Metals with each other!

Galvanic corrosion will occur when dissimilar metals are in contact in the presence of an electrolyte. Water in the form of condensation, rain or snow is an electrolyte. Water that flows over copper becomes electronegative and will cause corrosion of aluminum or steel. Copper, brass or stainless steel fasteners or nails must be used with copper or brass applications. Make sure rivets are solid copper; do not use copper plated steel rivets in copper or brass assembly. Do not use aluminum or galvanized nails to secure any copper products. Corrosion will be more rapid in the presence of salts such as ocean coastal areas or chlorinated water, acid rain, and polluted industrial atmospheres. Accelerated corrosion will occur when a larger area of an electronegative (cathode/protected) element contacts a small electropositive (anodic/corroded) element.

Warranty/Disclaimer

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.

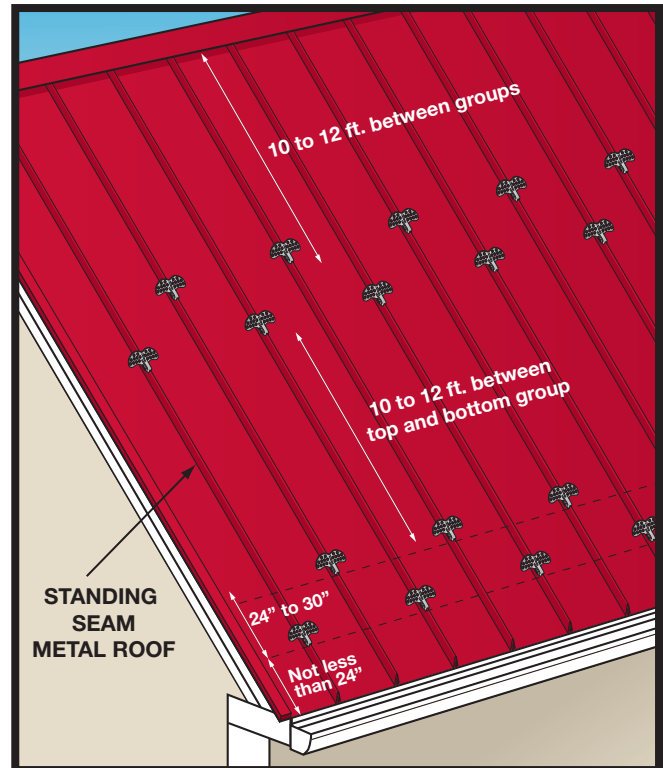
Berger Building Products, Inc. (BBPI) reserves the right to change design and specification of our products without prior notification or alteration of literature. Materials may be revised to improve strength and corrosion properties and incorporated as a running change without obsolescence.

Berger RT Snow Guard Layout for Metal Roofs:

Every guard will not fit every roofing application. It is important to know the size and thickness of your standing seams prior to selecting a snow guard.

Installation – Layout:

1. The first row shall be installed 24" to 30" feet from the edge of the roof and placed on alternating standing seams. This row should be placed no lower than two (2) feet up from the eave.
2. Subsequent rows shall be spaced 24" to 30" vertically and placed on the seams that were skipped on the first row.
3. Guards should be placed on alternating standing seams. Horizontal spacing will depend on the seam spacing. Rule of thumb: odd rows - odd seams (1-3-5), even rows - even seams (2-4-6).
4. Snow guards should never be placed beyond the bearing wall on an extended roof section. This can result in ice damming and cause structural damage.
5. The number or rows will be dictated by size of the roof and climate of the location.
6. Improperly insulated roofs will require more snow guards.
7. Every roof is different, call today for your free layout recommendation.



The pattern shown is typical for a rafter run of no more than 25 feet in an area with a ground snow load no more than 30 psf. If your project exceeds this criteria, contact Berger for a free consultation.

Installation on the Seam:

1. A 3/16" hex bit is needed for installation.
2. RT snow guards are furnished with a factory-installed dish tipped setscrews, which should be tightened in place with a hex-bit socket.
3. Torque will vary depending on the type and gauge of metal roofing. The recommended method for determining proper torque is to install one unit first, with blade on the uphill side. After tightening the setscrews, loosen and remove the unit, inspecting the indentations created in the seam to see that proper compression was obtained.
4. The screw closest to the blade derives its strength from the blade, and if extra torque is needed, apply it to this screw.
5. Over tightening can cause damage to snow guard resulting in failure. Maximum torque 20 ft lbs.