

Installation drawing - Individual snow guard

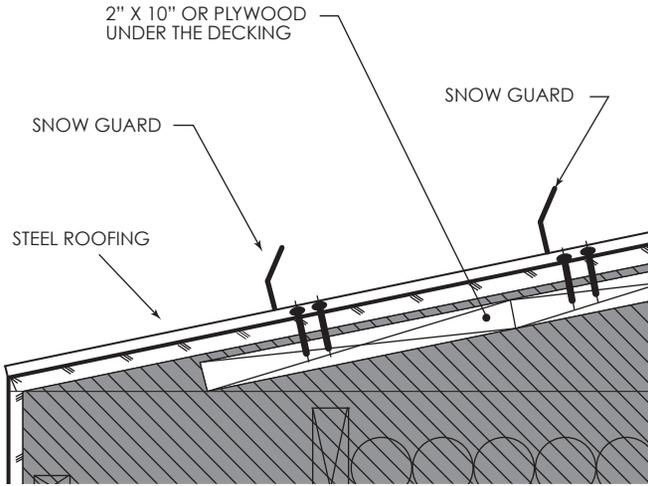


Figure 4: Individual snow guards on a wood sub-structure

R.D. SNOW GUARD



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IDEAL SNOW GUARD

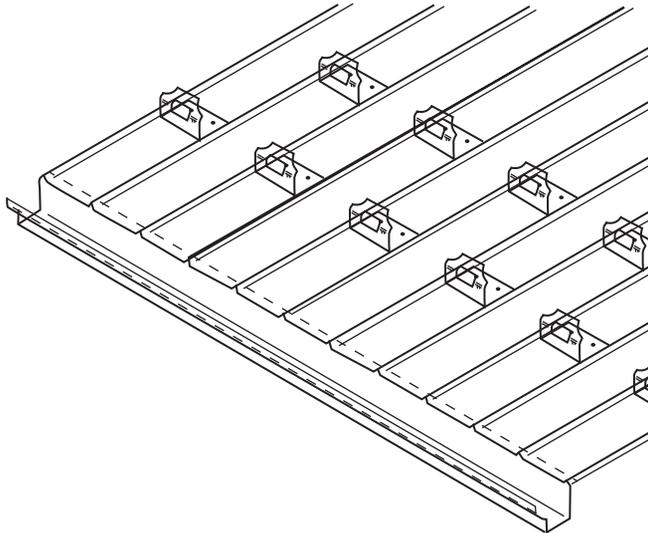


Figure 5: Individual snow guards in staggered pattern

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www.renodirect.ca



R.D. SNOW GUARD

R.D. **SNOW GUARDS** are rooftop devices that help prevent damage caused by avalanching snow and ice. They can be used on nearly every kind of steel roofing as well as on asphalt shingle, wood shake and synthetic slate roofs

Snow guards are available in two styles: **Tube-type** and **individual**.

FEATURES AND BENEFITS OF SNOW GUARDS

FEATURES:

- Fast and easy to install.
- Extremely durable¹.
- Esthetically designed to complement your roofing.
- Available natural finish or in a wide range of colours².
- Manufactured from G90 galvanized steel.

BENEFITS:

- Help keep snow and ice from avalanching off the roof all at once thereby protecting people, property and landscaping below.
- Prevent snow build-up in the gutters.

The tube-type snow guards is suitable for both residential and commercial use. It provides a greater level of protection than the individual snow guard, which is more discreet and used mainly for residential buildings.

BEFORE YOU START

The snow guards must be securely fastened to a structural member of the roof. You need to know the features and layout of your roof structure in order to be able to properly attach the guards.

The minimum fastening depth required for:

- wood: 3/4" (19 mm)
- Steel: .049 (1.125 mm)

Depending on the roof's features and the region in which the snow guards will be installed, a different anchoring system may be required.

Other material required (not included):

Tape measure; chalk or string; butyl tape; drill and 3/8" hex bit; hacksaw.

SAFETY GUIDELINES AND DISCLAIMER

Tube-type and individual snow guards

ALWAYS CONSULT WITH A PROFESSIONAL BEFORE INSTALLATION.

Snow guards may cause too much snow to accumulation on the roof. A qualified professional should be consulted to determine the type of snow guard system and installation most suitable for your roof, as this vary according to geographic region, weather conditions, the roof's load bearing capacity, roof pitch, and sub-structure features.

It is the consumer's responsibility to ensure that the correct product is being used.

Reno-Direct inc. assumes no responsibility or liability for the installation of this product.

Tube-type snow guard

Maximum load capacity chart (lbs)

Spacing between brackets	Model		
	1-hole	2-hole	3-hole
2'	800	800	1100
3'	500	500	750

The set includes:

(A) Brackets, natural or painted² G90 galvanized steel (12 gauge - 0.109") with one, two of three 1 1/4" diameters holes:

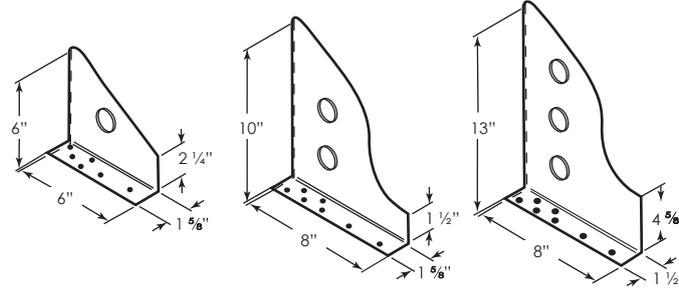


Figure 1: One, two and three-hole brackets

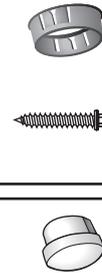
(B) Plastic protectors for each holes;

(C) 7 metal/wood screws (#14 x 2") with neoprene washers and anti-corrosion coating¹ per bracket;

Note: The 1-hole bracket comes with 6 screws

(D) Natural or painted Galvalume™ tubing, 1/16" thick x 1" wide x 4' long with a reduced 3" portion;

(E) Protective caps (6 / box of tubes).



The quantity of **tubing** required is calculated by adding 10% to the length of the roof to be covered, taking the overlap between two sections into account, divided by 4 (the length of the tubing). Multiply by 2 or 3 if using two-hole or three-hole brackets.

The number of **brackets** required is calculated by taking the length of the roof to be covered and dividing it by the spacing between two brackets. Add one more for each section of roof to be covered.

INSTALLATION INSTRUCTIONS - Tube-type snow guard

1. Measure a distance of approximately 1.5 feet from the edge of the roof and mark with chalk or string.
2. To ensure a watertight seal around the screw holes, apply a strip butyl tape (1/8" x 1") under each bracket.
3. Use the screws (C) to fasten the first bracket (A). Repeat for all the holes.
4. Fasten the remaining brackets (A) in the same way until one section as been completed.
5. Insert tubing (D) through the bracket holes of the finished section. Make sure the plastic protectors (B) are securely in place around each hole before inserting the tubing.
6. Connect two sections by inserting the narrow end of the tubing into the female end of a second line of tubing.
7. Repeat steps 3 to 6 until the desired length is covered.
8. Cut excess tubing as necessary prior to completing the final section.
9. Press the protective caps (E) over the each end of the fixture.

INSTALLATION DRAWING - Tube-type snow guard

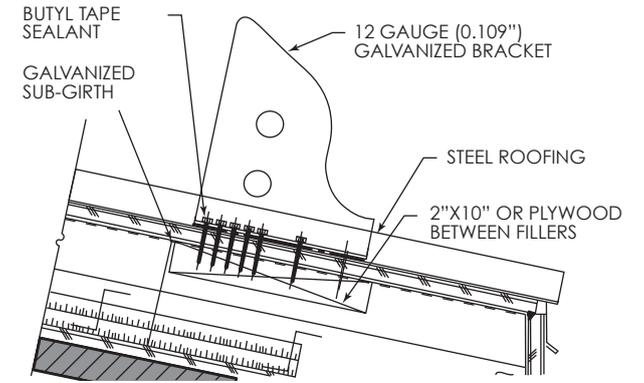


Figure 2: Two-tube snow guard on a wood sub-structure

Individual snow guard

The set includes:

(Ai) Snow guard, natural or painted² G90 galvanized steel (12 gauge - 0.109") with a central opening and 90° angle;

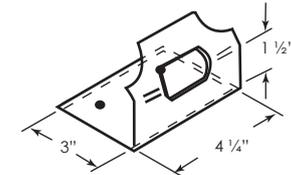


Figure 3: Individual snow guard

(Bi) 3 metal/wood screws (#14 x 2") with neoprene washers.

INSTALLATION INSTRUCTIONS - Individual snow guard

1. Measure a length of approximately 1.5 feet from the edge of the roof and mark with chalk or string.
2. To ensure a watertight seal around the screw hole, apply a strip of butyl tape (1/8" x 1") under each bracket.
3. Use the screws (Bi) to fasten the first bracket (Ai). Repeat for all the holes.
4. Install one snow guard per linear foot.
5. Install the recommended number of snow guards for maximum efficiency:
 - For a pitch not steeper than 4/12, one row is sufficient.
 - For a pitch steeper than 4/12, two rows arranged in a staggered pattern is recommended (Fig.5). A spacing of 2 feet is required between rows.

Note ¹ : Atmospheric environment and weather conditions, as well as roof direction may adversely affect corrosion resistance.

Note ² : Please see your retailer for colour availability.