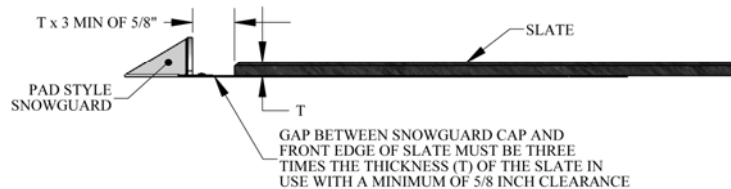
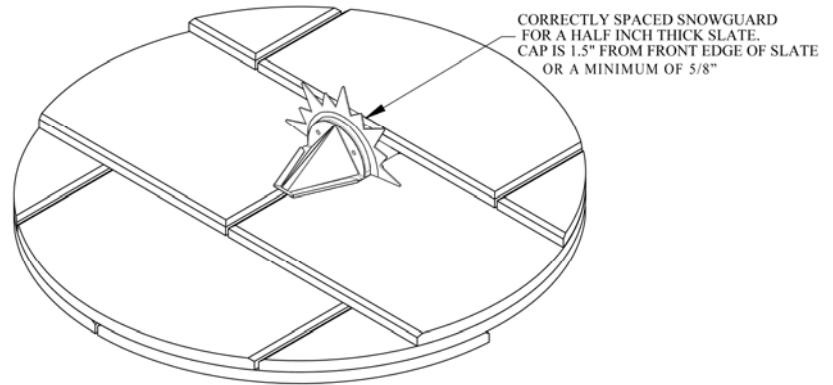




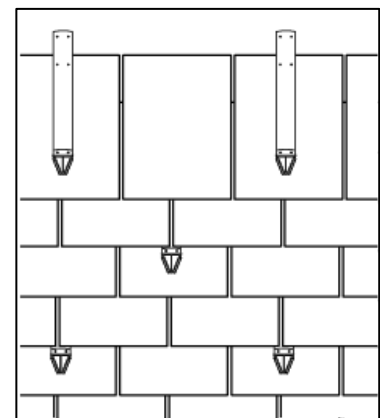
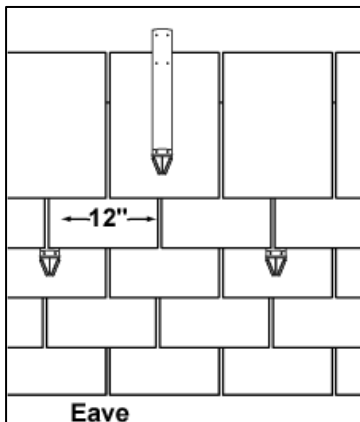
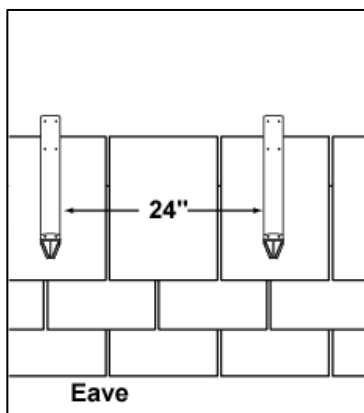
Installation Instructions for #100S - Starburst Snow Guard

1. The third row of shingles is fastened to the roof in the usual manner. The snow guard is placed on the shingle with the up slope end of the strap resting on the roof deck above the shingle.
2. The snow guard pad should be placed low enough on the shingle so that the next course of shingles, course 4 lays properly over the top of the snow guards, and the pad is set 3 times the thickness of the shingle below the next course. Horizontal spacing should be 24" on center for the first three courses. See the spacing page.
3. Two nails or screws of the same or compatible material as the snow guard are inserted through the two holes at the top of the strap to secure the snow guard to the roof deck.
4. Repeat these steps for the entire snow guard layout. See following pages for layout.



Three-row Pattern

Starting at the third tier of slate, install a row of snow guards 24" on center horizontally. Install two tiers of slate and another row of snow guards offset 12". Install two more tiers of slate and the third row of snow guards. If the rafter length is more than 15', you will need additional rows. See the following pages for layout information.

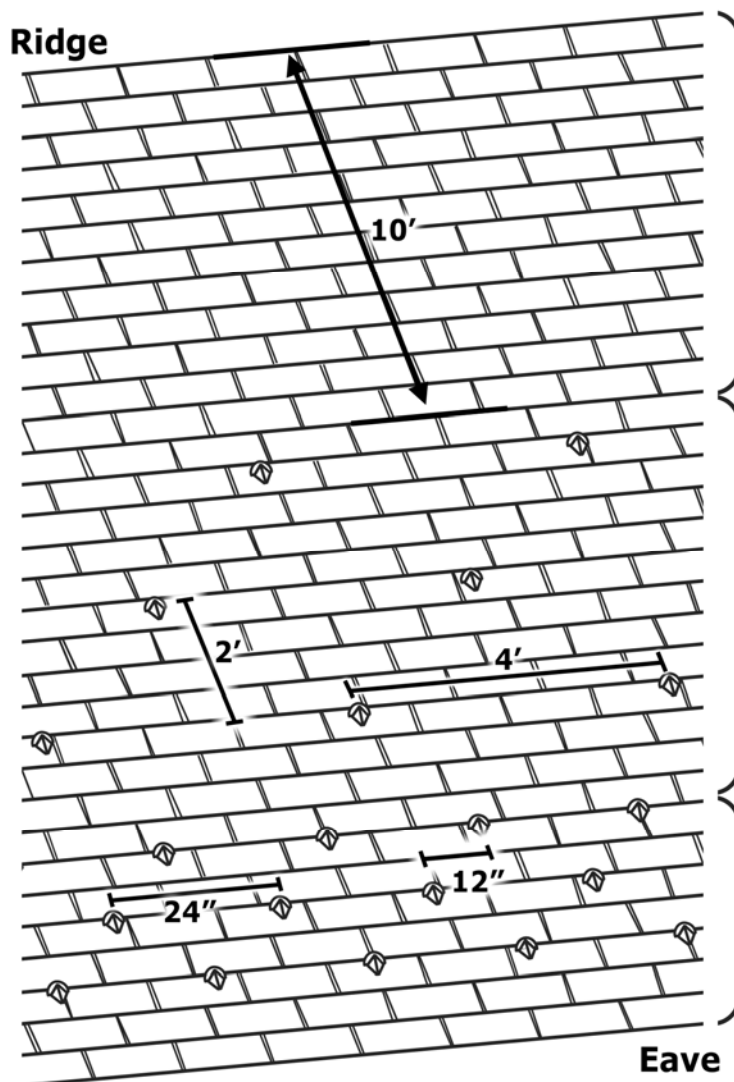


#100S Decorative Starburst Snow Guard for New Slate, Synthetic Slate, Flat Tile and Cedar Roofs

Pad Style Snow Guard Placement Less Than 75 psf Snow Load

The image below shows a sample installation on a roof with a rafter length greater than 15', a roof pitch of 24/12 or less and a Building Design Load of less than 75 psf. All snow guard installations must have the standard three-row pattern along the eave. Remaining snow guards should be evenly spaced between the top of the three-row pattern to within 10' of the ridge.

Installation Instructions for #100 Pad Style Snow Guard



2 X 4 Layout – less than 75 psf Building Design Load and less than 24/12 roof pitch using 12 snow guards per square.

Top ten feet of rafter does not generally require snow guards except in extreme snow load areas.

2 X 4 Supplemental Pattern

This pattern is for installations using 12 snow guards per square including the standard three-row pattern. Space rows 2' vertically and 4' horizontally to within 10' of the ridge.

Standard Three-Row Pattern - for all roofs.

Three rows 24" on center horizontally with the middle row staggered 12".

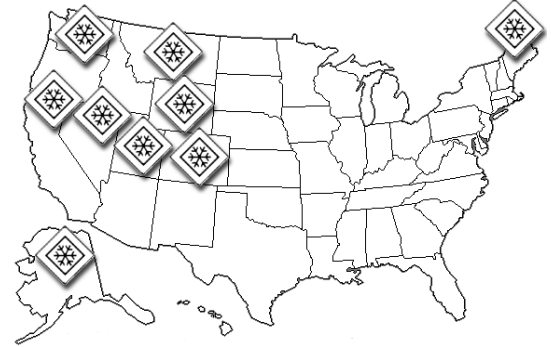
If the rafter length is less than 15' you only need the three-row pattern which requires 17 snow guards per 10' of eave.

#100S Decorative Starburst Snow Guard for New Slate, Synthetic Slate, Flat Tile and Cedar Roofs

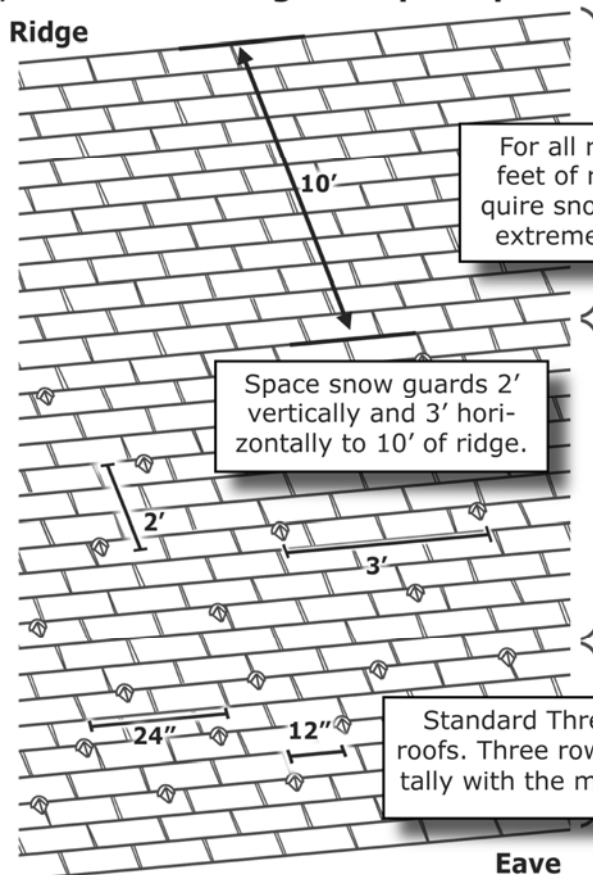
Pad Style Snow Guard Placement for Extreme Snow Areas More Than 75 psf Design Load

Most snow guard installations will use 12 snow guards per square with our standard 2 X 4 layout. If your project is in an extreme snow area, greater than 75 psf you will need to use one of these layouts.

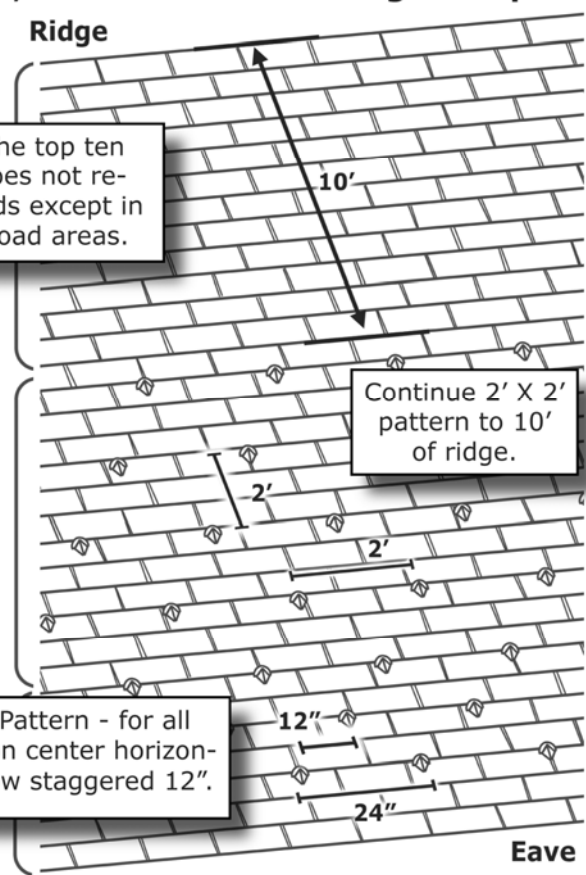
If your Design Load is between 75 psf and 110 use the 2 X 3 layout. If your Design Load is from 111 psf to 150 psf use the 2 X 2 layout.



2 X 3 Pattern - for roofs 76 psf to 110 psf, 17 to 21 snow guards per square



2 X 2 Pattern - for roofs 111 psf to 150 psf, about 22 to 27 snow guards per square



#100S Decorative Starburst Snow Guard for New Slate, Synthetic Slate, Flat Tile and Cedar Roofs