



Rocky Mountain Snow Guards Inc

ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

ST16R SNOW GUARD SYSTEM

AVAILABLE MATERIALS:

- COPPER
- PAINTED ALUMINUM



INFORMATION:

- Classic Low Profile Design
- Light gauge metal strap allows for simple hook attachment on existing natural slate and some synthetic slate and shake roofs.
- Pad area is 2.34 square inches
- Overall length is 16", Strap length is 13.75"
- Excellent Choice for:
 - Existing natural slate roofs with slates between 16" and 20" overall length.
 - Some existing synthetic slate and shake roofs.
 - Some existing clay shingle roofs.

EXAMPLES:



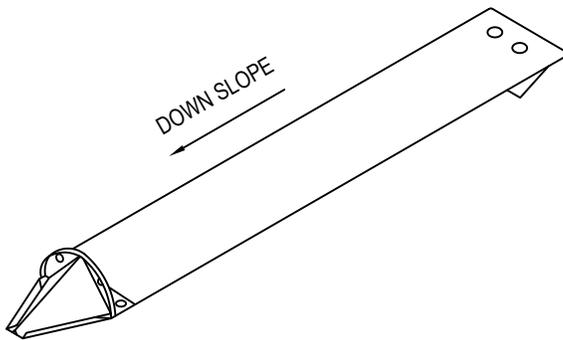


Rocky Mountain Snow Guards Inc

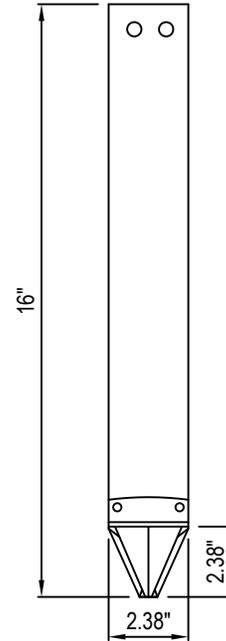
ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

SELECT DESIRED MATERIAL:

- COPPER - 16 OZ
- PAINTED ALUMINUM - 0.32"



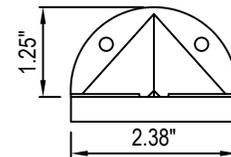
ISOMETRIC VIEW



TOP VIEW



SIDE VIEW



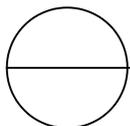
FRONT VIEW

MANUFACTURER NOTES:

1. CONTACT MANUFACTURER FOR SELECTED LAYOUT.
2. FOR CUSTOM MATERIALS CONTACT MANUFACTURER.
3. OTHER SIZES ARE AVAILABLE ON A CUSTOM BASIS.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 5281-019



SNOW GUARDS

ST16R SNOW GUARD



Rocky Mountain Snow Guards Inc

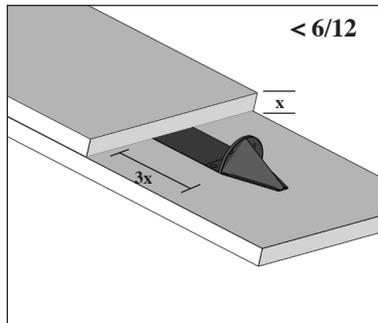
ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

INSTALLATION INSTRUCTIONS

SNOW GUARD PLACEMENT FOR SHINGLE STYLE ROOFS (Asphalt Shingle, Tile, Slate, Synthetics, Metal Shingle)

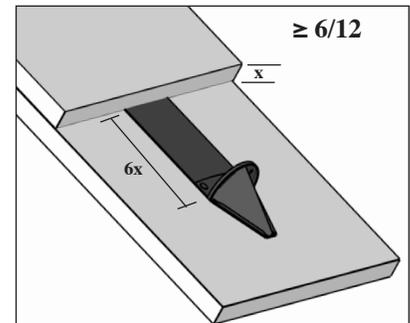
Less than a 6/12 Pitch

For roofs less than 6/12 pitch, the distance between the butt end and the pad face must be a minimum of $3x$ the thickness of the roofing material.

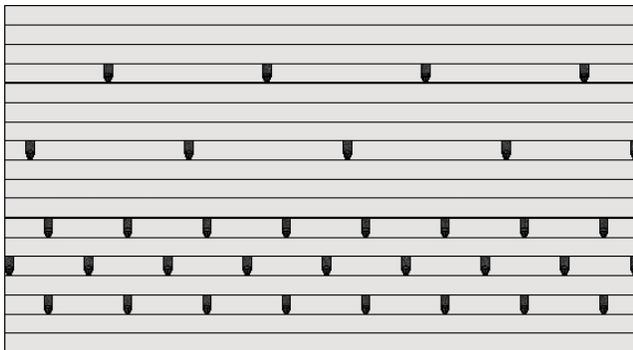


Greater than or equal to 6/12 Pitch

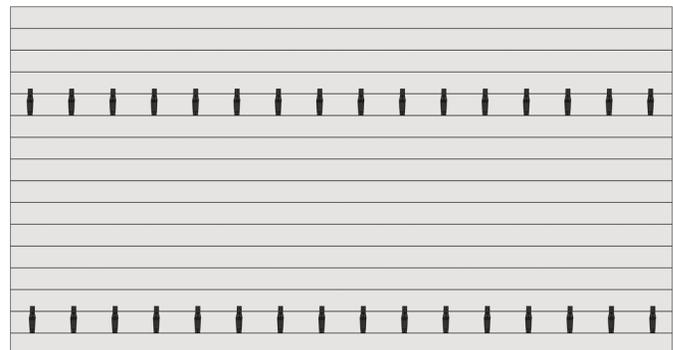
For roofs greater than 6/12 pitch, the distance between the butt end and the pad face must be a minimum of $6x$ the thickness of the roofing material.



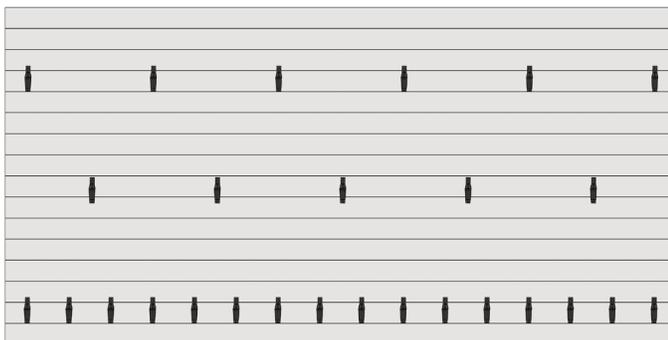
EXAMPLE PATTERNS: (Specified pattern and dimensions are dependent on individual roof characteristics.)



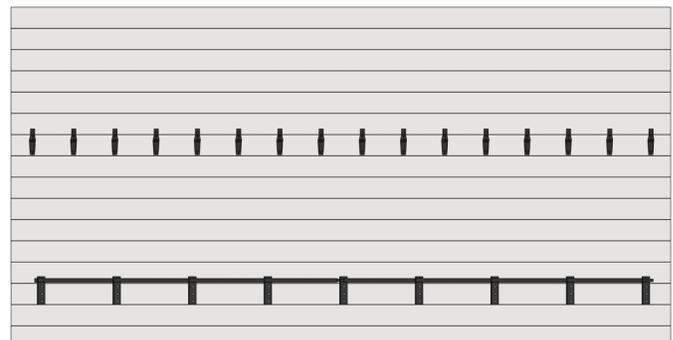
TRADITIONAL SPREAD PATTERN



MULTIPLE SOLDIER ROW



SOLDIER ROW WITH SPREAD PATTERN



SNOW FENCE WITH SOLDIER ROW



Rocky Mountain Snow Guards Inc

ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

INSTALLATION INSTRUCTIONS CONTINUED

ST Tile Barb, ST16R, Yeti Tile Barb, Yeti 16R, RGTile Barb, RGSlate Snow Guards

NEW ROOF

1. Follow recommended layout pattern for specific roof and snow situation following the Rocky Mountain Snow Guard Layout Guide.
2. Mark location of each snow guard.
3. Apply a nickel size dollop of Sealant 6" from the top of shingle at the mark. Sealant keeps the snow guard from moving side to side.
4. Place the snow guard such that the barb is pressed against the top of the shingle and snow guard is seated in sealant.
5. Continue shingling roof.



EXISTING ROOF

1. Follow recommended layout pattern for specific roof and snow situation following the Rocky Mountain Snow Guard Layout Guide.
2. Mark location of each snow guard.
3. Apply a nickel size dollop of sealant 6" from the top of tile at the mark. Sealant keeps the snow guard from moving side to side.
4. Lift tile above just enough to slide new snow guard under.
5. Slide snow guard up so barb passes top of tile.
6. Pull down on the snow guard to ensure barb is engaged and snow guard is seated in sealant.



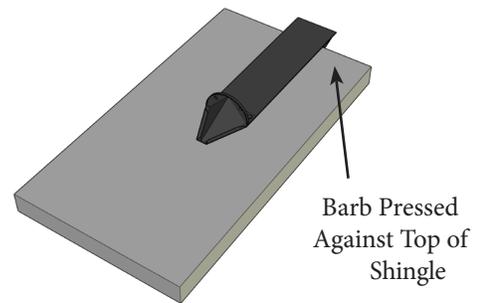
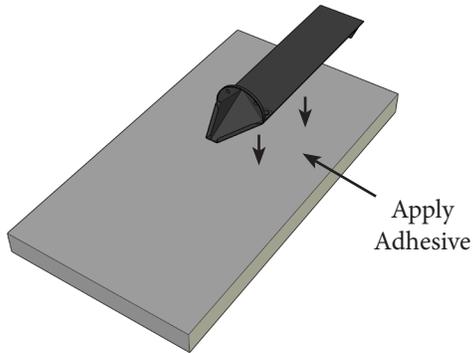


Rocky Mountain Snow Guards Inc

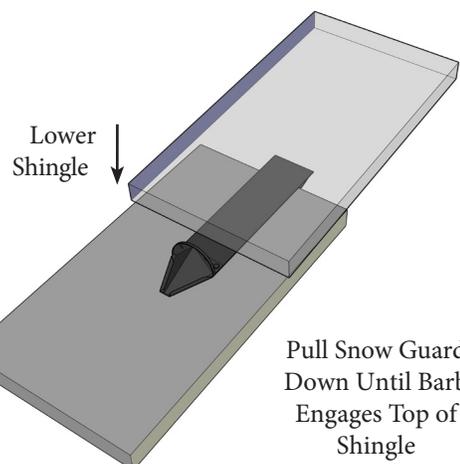
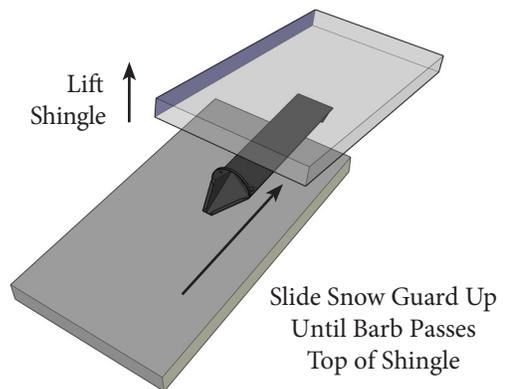
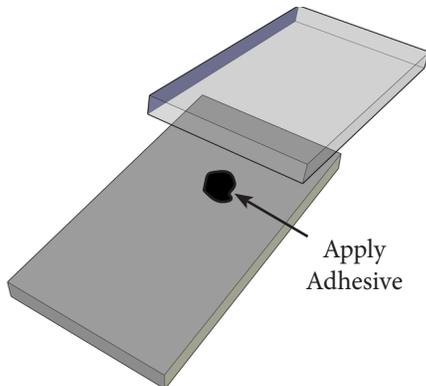
ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

ST Tile Barb, ST16R, Yeti Tile Barb, Yeti 16R, RGTile Barb, RGSlate Snow Guards

NEW ROOF



EXISTING ROOF



SNOWTRAPPER ST16R Snow Guard Specification Sheet

For existing slate and tile roof systems

PART 1 - GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. ST16R SnowTrapper snow guard attaches to previously installed slate or tile.
2. Provide appropriate snow guard for the roof system

B. RELATED SECTIONS

1. Section 07600: Flashings and Sheet Metal
2. Section 07310: Shingles
3. Section 07320: Roofing Tiles
4. Division 7: Thermal and Moisture Protection

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

1. ST16R snow guard system consists of individual metal snow guards
2. Sealant
 - a. To be approved by the roofing material manufacturer

B. DESIGN REQUIREMENTS

1. Spacing to be recommended by manufacturer or building engineer.
2. It is important to design new structures or assess existing structures to make sure that they can withstand retained snow loads.

1.3 SUBMITTAL

- A. Submit manufacturer's specifications, standard detail drawings, recommended layout and installation instructions.

1.4 QUALITY ASSURANCE

- A. Installer to be experienced in the installation of specified roofing material and snow guards for not less than 5 years in the area of the project.

1.5 DELIVERY / STORAGE / HANDLING

- A. Inspect material upon delivery and order replacements for any missing or defective items. Keep material dry, covered and off the ground until installed.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Rocky Mountain Snow Guards, Inc. 4231 S. Natches Court, Unit C, Englewood, CO 80110
(877) 414-7606 / www.rockymountainsnowguards.com

2.2 MATERIALS

- A. Copper – all snow guard components are 16 oz. copper.
- B. Aluminum – All snow guard components are .032 Aluminum

2.3 FINISH

- A. Mill Finish
- B. Kynar 500 pre finished sheet – Aluminum only.
- C. Powder Coated, exterior grade powder only.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Substrate
 - 1. Inspect structure to verify that roofing structure will withstand additional retained snow loads. Notify owner or general contractor of any deficiencies before installing snow guards.
 - 2. Verify that roofing material has been installed properly prior to installing snow guards.

3.2 INSTALLATION

- A. Comply with architectural drawings for location and with Manufacturer’s instructions for installation and layout.

07 72 53 Snow Guards
7-1-2011



Rocky Mountain Snow Guards Inc

ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

Rocky Mountain Snow Guards Snow Retention System Maintenance Guide

Systems designed by Rocky Mountain Snow Guards, installed properly should last the life of the roof. Rocky Mountain does not recommend adhesive tape or sealant attachment for any snow fence or snow guard system. Rocky Mountain snow retention systems installed on commercial buildings, above high traffic areas or in areas with high snow loads should be inspected by a qualified roofing or snow retention professional on an annual basis to ensure the system will continue to perform as designed.

Bolt Down Snow Fence Systems:

1. Inspect brackets, snow fence components and fasteners for evidence of damage.
2. Replace damaged parts prior to the next snow season.

Clamp to Seam Snow Fence and Snow Bar Systems:

1. Inspect brackets, snow fence and snow bar components for evidence of damage.
2. Replace damaged parts prior to the next snow season.
3. Check torque on set screws with an appropriate torque wrench.
4. Torque set screws to recommended torque. This is especially important after the 1st snow season.

Snow Guards:

1. Inspect snow guards for evidence of damage.
2. Inspect exposed fasteners.
3. Replace damaged parts prior to the next snow season.