



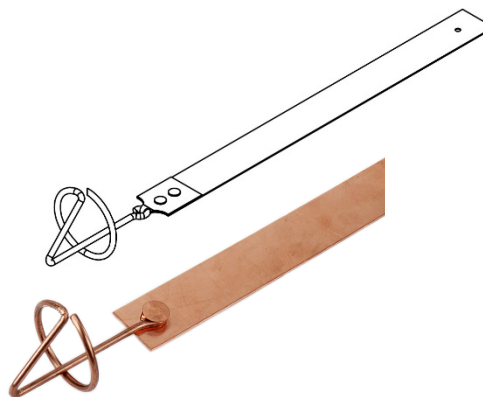
WR74 Wire Loop Pad-Style Snow Guard Submittal Document Set

ROOF TYPES

- New / Existing Natural Slate
- New Composition (Asphalt) Shingle
- New Cedar Shingle
- New Flat Tile
- Existing Flat Tile
- New / Existing Spanish Tile

MATERIALS

- Copper (CU)



FEATURES/ADVANTAGES

- Wire loop is 1 7/8" diameter
- Overall height is 1 - 5/16"
- Flat strap can be cut to custom length
- Copper strap allows for attachment above course of shingles to prevent water infiltration
- Minimalistic nature of this snow guard reduces appearance of its presence on a roof slope
- Designed for use with roofing material that does not allow for fastening between shingles or tiles

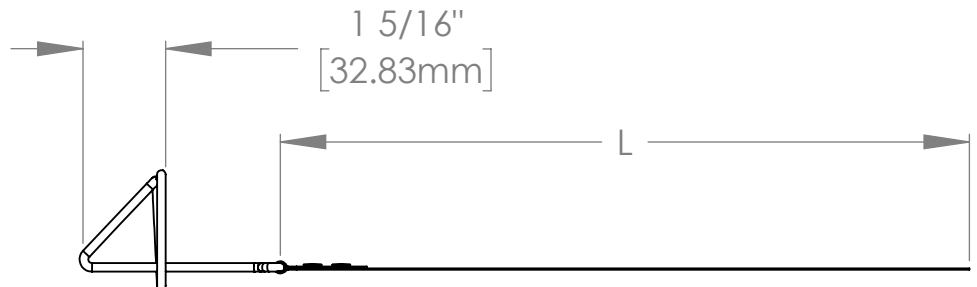
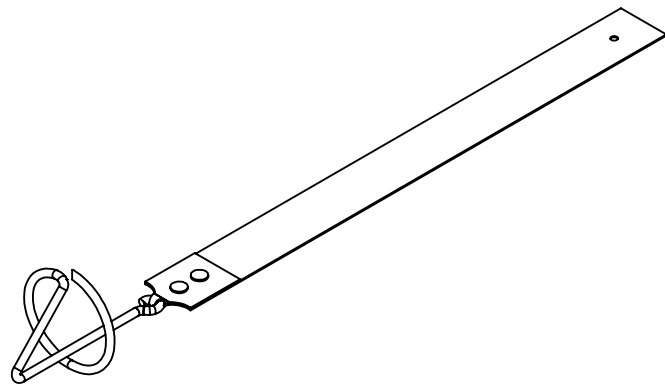
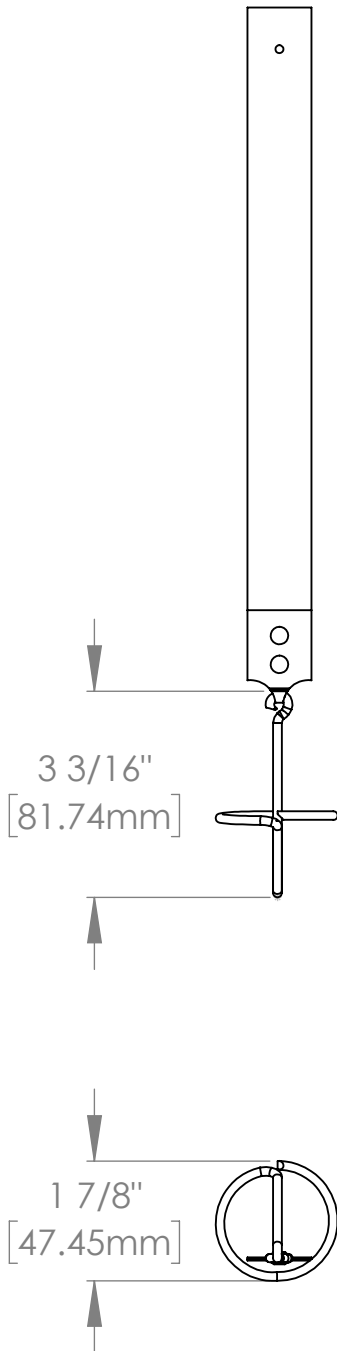
Cut Sheet - WR74

1. Installation to be completed in accordance with manufacturer's written specifications and installation instructions.
2. See spec sheet or contact manufacturer for detailed material, finishes, and configuration options.
3. Contact manufacturer for detailed layout.
4. Do not scale drawings.
5. Subject to change without notice.
6. For patent information, visit our [Patent Page](#).

☐ Custom Size:

Strap Length (L) =

Signature: _____ Date: _____



NOTE: Specify L to match slate or tile



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Morrisville, VT 05661
Phone: 1.888.766.4273
Fax: 1.888.766.9994
Email: Info@alpinesnowguards.com

Scale: 1:3

4/14/2021



WR74 Wire Loop Specification Sheet Snow Guards

PART 1 – GENERAL

1.1 SUMMARY

A. WORK INCLUDES

1. WR74 Wire Loop snow guard that attaches directly to the roof deck.
2. Coordinate with installation of roof to assure proper placement of snow guards.
3. Provide appropriate snow guard and fasteners for the roof system

B. RELATED SECTIONS

- | | |
|--|----------------------------|
| 1. Section 07600: Flashing and Sheet Metal | MasterFormat 2016 07 60 00 |
| 2. Section 07310: Shingles | MasterFormat 2016 07 31 00 |
| 3. Section 07320: Roofing Tiles | MasterFormat 2016 07 32 00 |
| 4. Section 07720: Snow Guards | MasterFormat 2016 07 72 00 |
| 5. Division 7: Thermal and Moisture Protection | |

1.2 SYSTEM DESCRIPTION

A. COMPONENTS

1. WR74 Wire Loop snow guard system consists of individual metal, wire flat copper strap.
2. Fasteners
 - a. To be of metal compatible with snow guards
 - b. Fasteners should be selected for compatibility with roof deck.
 - c. Fastener strength should exceed or be equal to that of snow guard system.

B. DESIGN REQUIREMENTS

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

1.3 SUBMITTAL

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

1.4 QUALITY ASSURANCE

- A. Installer to be experienced in 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.



WR74 Wire Loop Specification Sheet Snow Guards

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Alpine SnowGuards®, a Division of Vermont Slate & Copper Services, Inc.
289 Harrel St., Morrisville, VT 05661 | 888-766-4273 | www.alpinesnowguards.com

2.2 MATERIALS

- A. Copper wire of .135" diameter
- B. Copper strap of .027" thickness (20 oz)

2.3 FINISH

- A. Mill Finish – standard

PART 3 – EXECUTION

3.1 EXAMINATION

A. Substrate

1. Inspect structure on which snow guard system is to be installed and verify it will withstand any additional loading that it may incur. Notify general contractor of any deficiencies before installing Alpine SnowGuards' products.
2. Verify roofing material has been installed correctly prior to installing snow guards.

3.2 INSTALLATION

- A. Comply with architectural drawings and snow guard manufacturer's recommendations for location of system. Comply with manufacturer's written installation instructions for installation and layout.

Document Version 08.10.2021
07 72 53 Snow Guards

WR74 Wire Loop Snow Guard Installation Instructions

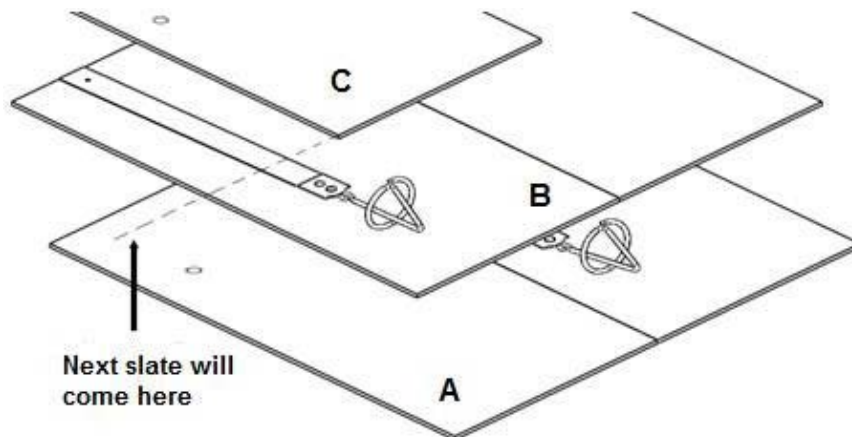
ROOF TYPES

- New / Existing Natural Slate
- New / Existing Synthetic Slate
- New Composition (Asphalt) Shingle
- New Cedar Shingle
- New Metal Shingle
- New Flat Tile
- Existing Flat Tile
- New / Existing Spanish Tile

INSTALLATION

First row of snow guards is placed above outer most wall or support of the building.

1. Quantity depends on roof slope and Ground Snow Load.
2. WR74 snow guard is designed for use with roofs where roofing material does not allow for fastening between shingles or tiles (interlocking tile for example) or random width slate where layout using WR73 will not be symmetrical.
3. Lay snow guard and strap on shingle so that snow guard is on exposed portion of shingle.
4. Copper strap should extend above top edge of shingle.
5. Using compatible fasteners, fasten through copper strap and into roof deck.
6. Next course of shingles should lay flat over shingle and snow guard below.
7. Wire snow guard causes shingle to be canted or to not lay flat. Therefore, it will be necessary to install snow guard so that entire wire portion is on exposure of shingle. A longer copper strap may be necessary in some cases.



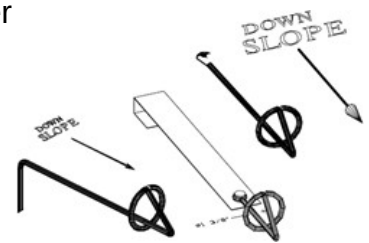
WR74 Wire Loop Snow Guard Installation Instructions

WIRE LOOPS PER ROOFING SQUARE CHART

Roof Pitch (x/12)	Ground Snow Load (Pounds Per Square Foot)						
	30	35	40	45	50	55	60
1	33	33	33	33	33	33	33
2	33	33	33	33	33	33	33
3	33	33	33	34	38	42	46
4	33	34	39	44	48	53	58
5	34	40	46	52	57	63	69
6	39	45	52	58	65	71	77
7	42	49	56	63	70	77	84
8	45	52	60	67	74	82	89
9	46	54	62	70	77	85	93
10	48	56	63	71	79	87	95
11	48	56	64	72	80	88	96
12	48	56	65	73	81	89	97
13	48	56	64	72	80	88	96
14	48	56	64	72	80	88	96
15	47	55	63	71	79	87	94
16	46	54	62	70	77	85	93

Values Above = Snow Guards per Roofing Square

- To estimate project quantities, multiply number of snow guards per roofing square in chart above by number of squares of roof area
- Install snow guards in a regular pattern over entire roof surface to within 5 feet of ridge
- Quantity per square is based on 31lb allowable load (includes 2.0 x safety margin) per snow guard.
- If you have any questions, please contact us at 1-888-766-4273.
- It is highly recommended that you contact the manufacturer for recommended layout.
- Stamped engineering unavailable for this product.



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Snow Guard Maintenance

Our snow guards must be inspected annually. Any defects or damage in materials and/or workmanship must be reported to Alpine SnowGuards immediately. Seller will not be responsible for snow guard systems that have not been properly maintained.

- Ensure snow guard brackets, accessories & components are intact, have not been displaced, and show no signs of damage or wear.
- Inspect fasteners into roof deck.
- Inspect snow guard-related waterproofing and replace or repair where necessary to ensure roof integrity.
- Snow accumulation on roofs and rooftop solar panels must be removed to avoid damage to the roof or panels, the building structure, and anything below. Heavy snowfalls, drifting, and the gradual accumulation of snow and ice can lead to less-than-ideal snow guard performance.
- Check each clamp set screw with a torque wrench to ensure proper fastening has been maintained (clamp-to-seam models).
- Inspect sealant, tape, and adhesive. Remove and replace as needed.

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