

***Deck Mount Snow Retention Specifications for Slate, Shingle and Tile Roof Systems***  
*To be used with the 11-SST (1 Tube, 1" System), 21-SST (2 Tube, 1" System) and 31-SST (3 Tube, 1" System)*

**PART 1 - GENERAL**

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**1.1 SUMMARY:**

**A. WORK INCLUDES:**

1. Deck mount bracket/base plate for slate, shingle and tile roof systems.
2. Attachment directly to the roof deck.
3. Provide bracket/base plates, fasteners and all other component parts that make up the snow retention system.

**B. RELATED SECTIONS:**

1. Division 1: General Requirements
2. Division 7: Thermal and Moisture Protection
  - a. Section 07310: Shingles
  - b. Section 07320: Roofing Tiles
  - c. Section 07600: Flashing and Sheet Metal

**1.2 SYSTEM DESCRIPTION:**

**A. COMPONENTS:**

1. Deck Mount Bracket/Base Plate
2. 1" Diameter Round Tubing
3. End Cap
4. Insert
5. Barricade Plate™
6. Fastener
  - a. Material to be compatible to that of the bracket/base plate material.
  - b. To be compatible with the roof deck.
  - c. Strength should be greater and/or equal to that of the snow retention system.
7. Sealant (if required by the roofing manufacturer).
  - a. To be approved by the manufacturer of the slate, shingle and tile roof systems.

**B. DESIGN REQUIREMENTS:**

1. Bracket/base plate spacing to be recommended by an Architect and/or Engineer.
2. Spacing will vary based on several factors including geographical region, snow load and building characteristics.
3. Install a minimum of 4 fasteners per base plate.
4. Our office does not perform an independent site inspection and strongly recommends that an Architect and/or Engineer review the project and any contemplated snow retention layout to ascertain and confirm the projected loads applicable to this project.

**1.3 SUBMITTAL:**

**A. REVIEW OF SUBMITTALS:**

1. Show locations of the snow retention system on the roof plan and specify bracket/base plate spacing as required by an Architect and/or Engineer.
2. Include detailed product cut sheets, installation instructions and specifications.

#### **1.4 QUALITY ASSURANCE:**

##### **A. CERTIFICATION:**

1. Sno Gem® strongly recommends that these products be installed by a qualified Roofing Contractor who will have the knowledge and ability to properly install the product.
2. Install the snow retention system in accordance with an approved layout, installation instructions and approved submittals.

#### **1.5 DELIVERY / STORAGE / HANDLING:**

##### **A. PROCEDURE:**

1. Inspect material upon delivery and provide notice of any missing or defective items within 24 hours.
2. Adequately secure and protect the material until installation.

### **PART 2 - PRODUCTS**

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#### **2.1 MANUFACTURER:**

##### **A. DECK MOUNT SNOW RETENTION SYSTEM:**

1. A division of Sno Gem, Inc., 4800 Metalmaster Way, McHenry, IL 60050, (888) 766-4367, [www.snogem.com](http://www.snogem.com)

#### **2.2 MATERIALS:**

##### **A. COMPONENTS:**

1. Bracket: Stainless Steel or Brass
2. Base Plate: Stainless Steel or Brass
3. 1" Dia. Round Tubing: 6061-T6 Aluminum, Stainless Steel or Brass
4. Insert: Zinc Zamak #3
5. End Cap: Zinc Zamak #3
6. Barricade Plate™: Aluminum, Stainless Steel or Brass
7. Fastener:
  - a. To be compatible with the specified roof application.

#### **2.3 FINISH:**

##### **A. MATERIALS:**

1. Standard mill finish.
2. Powder Coating or Kynar available upon request.

### **PART 3 - EXECUTION**

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#### **3.1 EXAMINATION:**

##### **A. SUBSTRATE:**

1. Inspect the roof system in its entirety to verify proper attachment, completion and the ability of the building structure to withstand additional loading applied by the snow retention system.

#### **3.2 INSTALLATION:**

##### **A. PROCEDURE:**

1. Install the snow retention system in accordance with an approved layout, installation instructions and approved submittals.