

## F-RAIL™, E-RAIL™ and S-RAIL™ BENEFITS:

- Reduces the Potential of a Mass Quantity of Snow and Ice from Avalanching all at once off the Roof
- Reduces the Potential for Injury to Pedestrians
- Reduces the Potential for Damage to Vehicles, Landscaping, Gutters and Property Below
- Reduces the Chance of Costly Insurance Claims
- Technical Support and Superior Customer Service

U. S. Patent 6688047

## INSTALLATION INSTRUCTIONS:



### F-Rail and E-Rail

1. Install castings in accordance with Berger Bros Co.™ roof layout provided. Measure correct distance and snap a straight line to mark seam for casting position.
2. The casting is furnished with factory installed oval and cup tipped set screws which should be tightened in place with a hex-bit socket. Turn screws equally to center casting on seam.
3. How tightly to torque the set screws will vary depending on the type and gauge of the metal roofing. The recommended method for determining proper torque is to install one first. After tightening the set screws, loosen and remove the casting, and inspect the indentations created in the metal to see that proper spherical indentation was obtained. Caution: Overtightening can cause damage to casting resulting in failure. Maximum torque = 28 ft-lbs.
4. After castings are installed, fit the square tubing rails into the receiver pockets. For the rail in the lowest position below the standing seam, rail must be cut to the width of the metal roof panel seams. A dab of SB-190 adhesive sealant may be used in the receiver pockets to ensure a snug fit.
5. For the upper rails, install the full length of the rail into the receiver pockets and place a black plastic end cap into each side of the rail. The rails can be butted right up against each other, but they do not connect. Butt termination should be at centerline of guard.
6. After installing any upper rail, drill in one tech screw on each end of the top section of rail. The tech screw should be on the outside of the furthest castings on the rail tubing to help prevent the section of rail from sliding laterally.

### S-Rail

Follow instructions from #1-4 listed above.

*NOTE: See our website - [www.snowbrakes.com](http://www.snowbrakes.com) for Guide Specifications.*



**BERGER BROS CO.™**

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 a Euramax company

# The F-Rail™, E-Rail™ and S-Rail™ Snow Retention Systems

*Berger Bros' Revolutionary Rail Style Snow Retention Systems*



**BERGER BROS CO.™**



Berger Bros Co., a leader in the snow guard industry since 1874, has designed three unique and highly functional rail style snow fence systems, the F-Rail™, E-Rail™ and S-Rail™. These cast aluminum rail systems are designed for standing seam metal roofs and require **NO penetration** of the roofs' surface. The revolutionary F-Rail snow fence provides for multiple rails at three different heights to suit regional climate variations.

What makes these systems so unique is that the lowest rail can be positioned **below** the standing seam of the roof, reducing the possibility of dangerous ice slides. What makes these product so functional is their open pockets through which each rail is inserted, making installation easier and more efficient than the other products currently on the market.

## F-Rail™ Snow Retention System

### F-RAIL FEATURES:

- Accommodates up to 4 Rails of Protection
- Customized Rail Tubing to Suit Your Climatic Requirements
- The Only Rail Style Snow Fence Available that Functions **BELOW the Standing Seams** on Metal Roofs - Helping to Control the Possibility of Dangerous **Ice** Slides
- Requires **NO Penetration** of the Roof
- Receiver "Pockets" Make it an **Easy-To-Install** System
- Easy to Retrofit Existing Roofs
- Available in Mill Finished Aluminum or Painted to Match the Roof

U. S. Patent 6688047



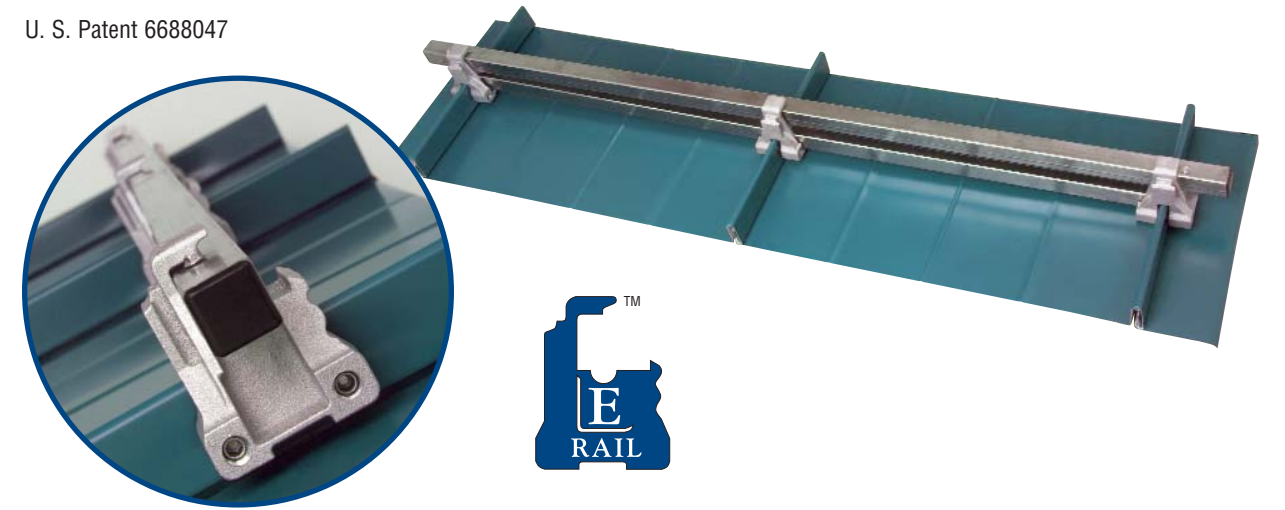
*For a Catalog of the Complete Berger Snow Guard Product Line, Call 1-800-523-8852*

## E-Rail™ Snow Retention System

### E-RAIL FEATURES:

- Dual Rail, Low Profile Snow Retention System
- Stronger and Lighter System that offers between the Seams Protection on Metal Roofs - Helping to Control the Possibility of Dangerous **Ice** Slides
- Requires **NO Penetration** of the Roof and is **Easy-To-Install**
- Available in Mill Finished Aluminum or Painted to Match the Roof
- Receptor Slot for Custom Ornamental Attachment

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## S-Rail™ Snow Retention System

### S-RAIL FEATURES:

- Single Rail, Low Profile Snow Retention System
- Functions **BELOW the Standing Seams** on Metal Roofs - Helping to Control the Possibility of Dangerous **Ice** Slides
- Requires **NO Penetration** of the Roof and is **Easy-To-Install**
- Economical Snow Rail that's Easy to Retrofit to Existing Roofs
- Available in Mill Finished Aluminum or Painted to Match the Roof
- New Clear Acrylic Bar Option

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