



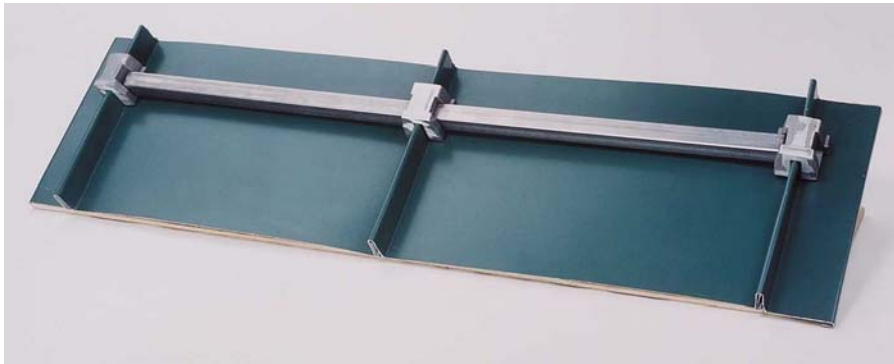
S-Rail™ Snow Retention System Installation Instructions

The **S-Rail Snow Retention System's** primary design is to accommodate standing seam metal roofs. It consists of the following parts: **S-Castings** and Tubing

The **S-Casting** is designed to accommodate a seam of up to 0.516" in thickness and at least 1.5" high.

Finishes: **S-Castings** are available in Mill Finished Aluminum, Primer Finish, and Custom Color. The Tubing is available in Stainless steel or Custom Color.

Installation: Install castings in accordance with BERGER roof layout provided. Measure correct distance and snap a straight line to mark seam for casting position. **S-Castings** are furnished with a factory-installed oval and dish tipped setscrew combination, which should be tightened in place with a 7/32" hex-bit socket. Torque will vary depending on the type and gauge of the metal roofing; the recommended method for determining proper torque is to install one first, with the setscrews on the uphill side. After tightening the setscrews, loosen and remove the unit, and inspect the indentations created in the metal to see that proper spherical indentation was obtained. **Over tightening can cause damage to snow guard resulting in failure. Maximum torque 28 ft lbs**



After installing the castings, fit the square tubing rails into the receiver pockets. For the rail in the lowest position of the standing seam, rail must be cut to the width of the metal roof panel seams. A dab of Surebond Everseal (SB-190), or Surebond Everflex (SB-1800)* may be used in the receiver pockets to ensure a snug fit.

additional recommendations can be found in SMACNA and other published industry standards. Ultimately, placement should be determined by a qualified design professional.

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*Surebond Everseal and Everflex are products of Surebond, Inc.



BERGER BUILDING PRODUCTS, INC.
805 Pennsylvania Boulevard ● Feasterville, PA 19053
215-355-1200 or 1-800-523-8852 ● Fax: (215) 355-7738
www.bergerbros.com ● E-mail: info@bergerbros.com