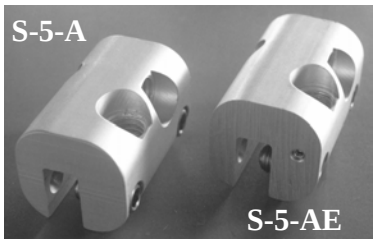
S-5!™

SnoRail / SnoFence

Snow Retention Systems For Standing Seam Metal Roofing

Clean lines, cylindrical shapes and high-tech appearance make **SnoRail** and **SnoFence** the favorite choice of architects and roof designers everywhere. These systems have a sleek, unobtrusive look on mill finished panels such as unpainted Galvalume, Stainless Steel and Titanium Zinc. The soft grey appearance also complements prepainted steel and aluminum panels. **SnoRail** and **SnoFence** are available in aluminum and stainless steel components as well as brass (for sheet copper roofing).



The **S-5-A** clamp attaches to the panel seam by the tightening of two stainless steel round-nosed set screws. These screws will slightly dimple, but will not tear or pierce the seam material. The clamp fits either vertical or horizontal seam profiles having a finished seam (thickness) dimension of .40" or less.

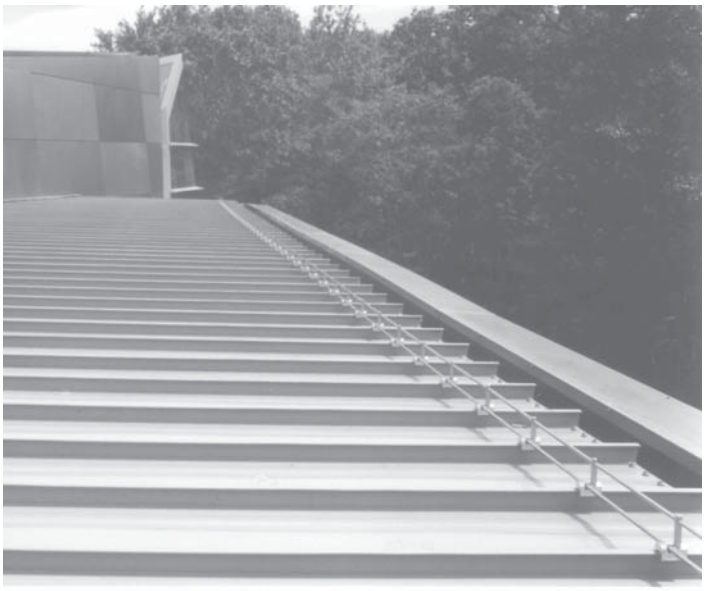
The clamp is specially designed for versatility on a variety of standing of panel seams and profiles-- both architectural and structural. (It may not be suitable for use on some "applied cap" seam profiles.) Clamps should be spaced a maximum of 24" on center (closer in severe situations, panel profile permitting).

The **SnoRod**, available in stainless steel or aluminum for light-duty installations is inserted through the **S-5-A** clamps positioning it just above the panel seams. The resulting assembly is called **"SnoRail"**. When installed on panels with taller seam heights, the addition of the **SnoClip** may be desired to prevent the movement of snow beneath the **SnoRod**.

The stainless steel **SnoPost** when threaded into the clamp provides for the addition of a second **SnoRod**, about 2" above the first. A double rod configuration is called **"SnoFence"**.

The **S-5-AE** and **SnoPost E** are used at the rate of one per 48' of assembly, and at the ends of the assembly to "fix" the **SnoRod**, preventing lateral movement.

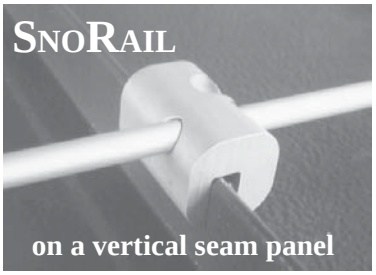
When installed correctly, the **SnoRail** and **SnoFence** systems will not inhibit the thermal movement of standing seam panels, because they do not "pin" or "fix" the panels to the building structure. For the same reason, any loads incurred by the **S-5!** system will be transferred to the panels. Panels must be adequately attached to the building structure at their pinned location to resist these loads (which is prudent practice in any event). **S-5!** clamps have been lab tested for load-to-failure on various panel seams. Load results vary with seam type, panel material type, thickness, and physical properties. Please inquire for test data. In some cases multiple rows of assembly may be required. Your S-5 distributor can help with project specifics.



IBM World Headquarters, Armonk, NY
Kohn, Pedersen Fox, Architect

PLEASE USE THIS PRODUCT RESPONSIBLY!

Loads imposed on the S-5 clamp will be transferred to the panels. Panels must be adequately attached to the building structure to resist these loads. For critical installations, inquire for published load-to-failure test data. When ultimate load values are used, verify screw tension and use safety factors as are appropriate.



DUE TO THE MANY VARIABLES ASSOCIATED WITH SNOW PHENOMENA AND SNOW RETENTION TECHNOLOGY, THE MANUFACTURER EXPRESSES NO OPINIONS AS TO THE SUITABILITY OF ANY S-5 ASSEMBLY FOR ANY SPECIFIC APPLICATION OR PROJECT CONDITION. YOUR S-5 DISTRIBUTOR CAN HELP WITH PROJECT SPECIFICS.

The winter of 1995 provided our area with record snow falls along with sleet and freezing rain on top of the fallen snow. The S-5! SnoFence held... when snow and ice drifts exceeded seven and eight feet in depth... We have since used the system on numerous projects with great success. Our confidence with the S-5! SnoFence system is confirmed.

Ken Kline, Kline Associated Roofing Contractors

Intellectual property notice:
S-5 products are protected by multiple U.S. patents including 5,228,248, 5,983,588 and 6,164,033 (others issued and pending). European patents are also applied for and pending under the Patent Cooperation Treaty with divisional filing rights retained. Metal Roof Innovations, Ltd. (licensor of S-5 technology) aggressively prosecutes patent infringement. S-5, S-5!, S-5-A, SnoPost, SnoRod, SnoRail, and SnoFence are trademarks owned by Metal Roof Innovations, Ltd.

Ask your distributor about other snow retention products from S-5!

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