

S-5!™

SNO RAIL / SNO FENCE

Brass Snow Retention Systems For Copper Standing Seam Roofing

Clean lines, high-tech appearance and incredible holding strength make SnoRail or SnoFence in brass a favorite choice of architects and roof designers for copper and lead coated copper roofing. These systems have a sleek, unobtrusive look and may be used on double folded standing seam as well as traditional batten seam roofing. With up to six times the strength of adhesively mounted devices, and without the high labor costs and inconsistencies of soldered snow guards, S-5! offers the perfect, long term, dependable solution for timeless sheet copper roofing.

The S-5-B 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. This patented mechanical attachment that does not deteriorate with age, providing durability and reliability unequalled by adhesives which are degraded over time by heat cycles, u.v. and ozone.



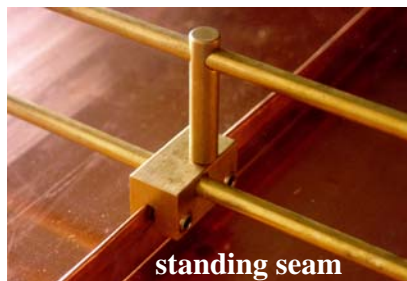
The same clamp fits either traditional standing or batten seam profiles having a finished seam (thickness) dimension of .25" or less. Clamps should be spaced a maximum of 24" on center (closer in severe situations, panel profile permitting).



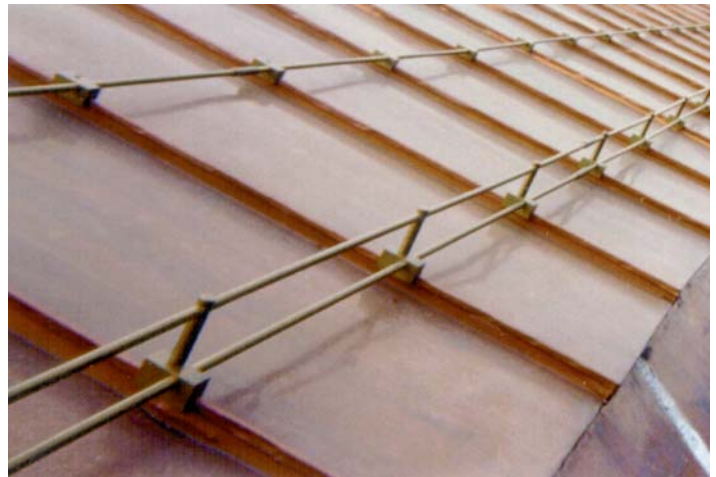
The brass SNO ROD is inserted through the S-5-B clamps positioning it just above the panel seams. Special slip-couplings assure end-to-end rod alignment and continuity. The resulting assembly is called "SNO RAIL", and may be suitable for use in light-duty applications. (SNO ROD is also available in stainless steel if desired for lead coated copper.)

The brass (or stainless steel) SNO POST when threaded into the clamp provides for the addition of a second SNO ROD, about 2" above the first. A double rod configuration is called "SNO FENCE", and is more durable for heavier service load conditions.

When installed correctly, the SNO RAIL and SNO FENCE systems will not inhibit the thermal movement of standing seam panels, because they do not "pin" or "fix" the panels to the building structure. S-5-B clamps have been lab tested for load-to-failure on 16 oz. cold rolled copper using a double folded standing seam profile. Ultimate tensile

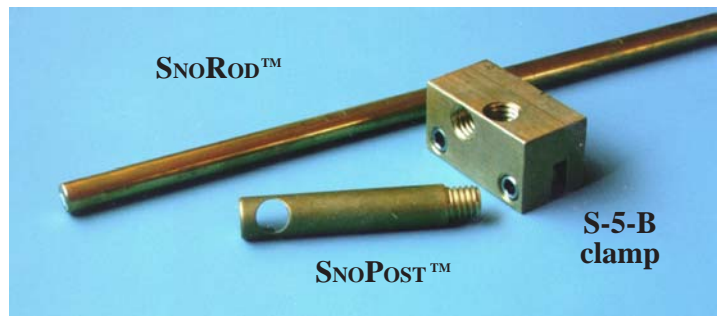


loads achieved (average) 1497 pounds. Use factors of safety as appropriate. Your S-5! distributor can also help with project specifics regarding placement and frequency of SNO FENCE assembly. In some severe situations, multiple rows of assembly may be required.



The client had originally selected a stick-on cleat product, but when we showed him SnoFence in brass, he was quickly convinced of its superiority... When we priced the product we really expected it would be more expensive, but it was actually less. SnoFence was a cinch to install, and its finished appearance really complements this double folded copper standing seam roof. The customer was pleased and so were we. Within 6 months of installation, we had a 25-year snow at the project site. The SnoFence system held up to the test. I am absolutely convinced that S-5! SnoFence is the perfect snow guard system for standing seam copper roofing.

Richard Pieros, Pieros Construction Co., Inc.



PLEASE USE S-5! 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. When ultimate S-5! 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.

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

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. (owner of S-5 technology) aggressively prosecutes patent infringement. S-5, S-5!, SnoPost, SnoRod, SnoRail, and SnoFence are trademarks owned by Metal Roof Innovations, Ltd.