

S-5!™ Clamp



OVERVIEW & FEATURES

Garland offers a high performance clamp from the manufacturer of S-5! which is compatible with our R-Mer® Shield, R-Mer® Span and R-Mer® Loc metal panel systems. The S-5! clamp enables the attachment of approved accessories without penetrating the roofing system.

S-5! Clamps - The clamp technology involves gripping the seam in such a way that there are no penetrations to the standing seam panels.

No Adhesives - The S-5! system doesn't rely on temperature sensitive adhesives. Typical paint finishes are slippery by their chemistry which makes adhesion particularly difficult.

No Fasteners - The S-5! system does not rely on fasteners penetrating the panel surface which can increase the possibility of system leakage.

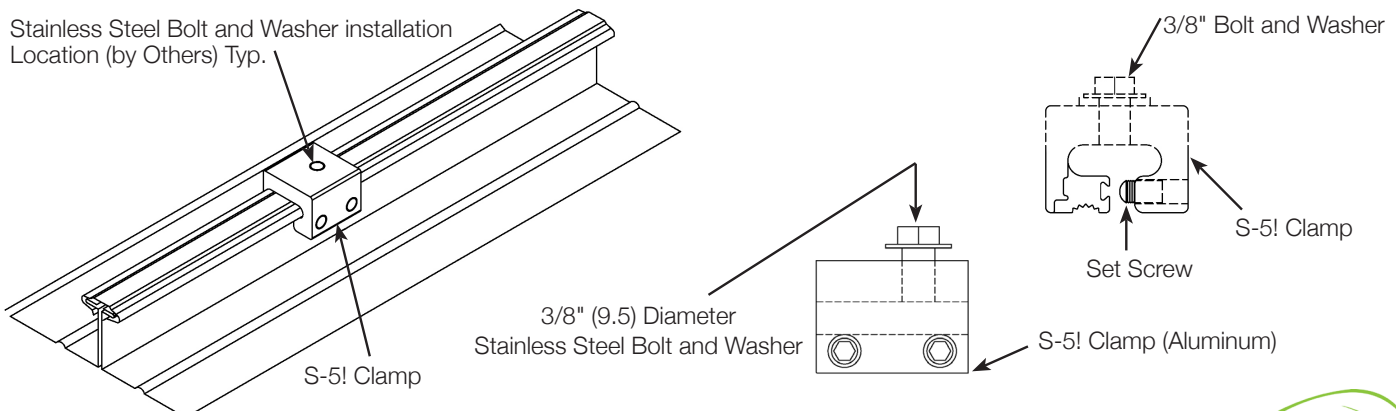
Ease of Installation - Because there is no waiting for adhesives to cure or panel penetrations to worry about, the S-5! installation is easy to perform. The system is designed to snap together with the simplest of tool requirements.

Engineering Design - Garland will design the proper usage of the S-5! system based upon the specifics of a particular roof. Garland has tested the exact load performance of our panel systems with the S-5! clamps. When used as part of a snow retention system, snow loads can be calculated utilizing the American Society of Civil Engineers (ASCE-7) method. Quantity, placement and general use of snow retention is a recommendation.

INSTALLATION INSTRUCTIONS

Use a stringline across the top of the panel seams at the desired location to establish a true line for installation of the S-5! clamps. When installing clamps on roof panels, the clip locations must be avoided. The bolt hole in the clamp should be at the upslope end of the clamp. Position the clamps appropriately on the panel seam, using the stringline as a guide. Using an Allen-wrench attachment tip for a 1/4" screw gun, tighten and retighten set screws as the seam material compresses.

Note: Tighten set screws to a torque between 115 for aluminum and 24 gauge steel, and 180 for 22 gauge steel inch pounds (13-17 Nm) with an industrial grade screw gun. Screw tension should be periodically verified as tested using a torque indicating wrench. Battery operated guns may not deliver consistent screw tension. Drywall guns may not deliver adequate tension.



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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or Garland Corporate Office for more information.

S-5!™ is a trademark of Metal Roof Innovations, Ltd.
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