

Square Lock™ Snow Guard

**LIFETIME TOOL®
& BUILDING
PRODUCTS LLC**

Product Description

The Square Lock™ Snow Guard by Lifetime Tool® is sized to accommodate conventional double lock standing seam panels up to 1/4" total seam thickness. The Square Lock™ is a unitary snow retention device used to prevent the risk of snow slides from sloped metal roof structures, it has been developed, manufactured, and tested to rigorous standards in the USA for superior snow load performance.

Manufactured from a certified aluminum-magnesium alloy, Almag 35, utilizing a proprietary casting process specific to the Almag 35 alloy, the Square Lock™ exhibits strength to withstand maximum screw torque without failure or breakage. Cast as a pure, non-filled alloy, there is zero ferrous content so corrosion will never become an issue for any service life encountered.

Adapted for double lock standing seam metal roofing panels, the Square Lock™ provides two stainless steel oval tip set screws at two seam attachment locations and provides a patented internal square recessed pocket in the casting opposite and in line with each set screw. When placed over and onto a standing seam and tightened, the oval tip of the set screw forces the standing seam metal into the recessed square pocket in the casting, locking the snow guard to the seam in all directions.

The precision CNC machined threaded holes for the set screws are angled at a predetermined and patented angle to the roof surface providing clearance for the use of a power driver by the installer to tighten the set screws during installation without risk of damage to the roof surface.

Available in either mill finish or in stocked Kynar® painted colors to match the panel specified. See www.lifetimetool.com for available colors.

Instructions & Recommendations for Use

Position the Square Lock™ Snow Guard over the seam at the correct structural location on the roof



and tighten the set screws as required for the seam geometry being used. All set screws require a 3/16" hex drive tool or bit. Torque sufficiently to form the seam into the recessed square pocket provided on the part.

Two size options are offered for the Square Lock™ Snow Guard. The LT-200 will fit over seam thicknesses up to 3/16" (0.190") which will typically be found on 29 ga. up to 24 ga. metal double lock standing seam panels. The LT-300 will fit over seam thicknesses up to 9/32" (0.281") which is typically found on 24 ga. up to 20 ga. metal double lock standing seam panels.

Additional information can be found on the Lifetime Tool® website at www.lifetimetool.com

Benefits of using the Square Lock™ Snow Guard

The precision manufactured Square Lock™ Snow Guard utilizes materials known for long-term outdoor exposure, and provides other benefits, including:

- Cast from a certified Almag 35 alloy with zero fillers or additives for excellent corrosion resistance
- Precision casting process provides high strength to weight ratio, where finished parts will not break when maximum torque is applied
- Exterior surfaces provide an excellent substrate for planting, primer, paint, coating

- Two seam clamp locations with opposing recessed square seam receiving grip pocket cast into the part for secure assembly to the seam after installation
- Set screws provided are manufactured from high quality 303 Stainless Steel with a passivated finish
- Easy to install quickly on most any double lock standing seam geometry

• Unmatched strength and durability against any unitary snow guard manufactured and sold today

All components are made, assembled, and packaged in the U.S.A. Warrantied for the life of the roof covering materials that it is installed with. A truly sustainable roof component built to last and perform on the roof.

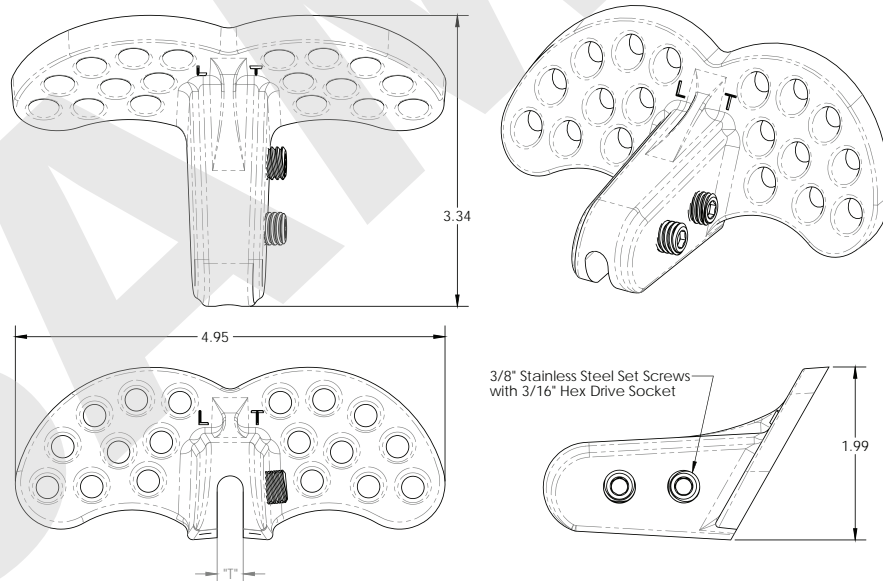
Specific Data - Materials of Construction:

- **Square Lock™ Snow Guard Body** – Structure is precision cast from a high-strength Aluminum-Magnesium Alloy, called Almag 35, used in industry for electronic equipment and aerospace applications requiring excellent dimensional stability and strength. It exhibits superior ductility and does not require tempering to achieve maximum strength capability.
- **Clamp Set Screws** – Swiss screw machined from a high-quality type 303 stainless steel and then passivated for superior oxidation resistance.

Availability:

The Square Lock™ Snow Guard is available in two sizes, the LT-200 and the LT-300 as illustrated in the specification drawing and size table shown below. Both sizes are available in a mill finish or in pre-coated Kynar® colors. Please see www.lifetimetool.com for available colors.

Packaged in cartons of 100 pieces with instructions and a 3/16" hex driver tool. A hardened high quality 3/16" hex driver bit to fit battery powered driver hand tools is available for purchase separately.



The Square Lock™ Snow Guard meets or exceeds the testing criteria as determined within ASTM E 72-02 Concentrated Load Test as performed by independent testing laboratories. See www.lifetimetool.com for final test report.

Square Lock™ Snow Guard Dimensions

Maximum Seam Thickness	LT Part No.	Dim "T"	Parts / Carton	Carton Dimensions	Carton Weight
3/16" (0.190)	LT - 200	0.198"	100	12"x12"x10"	34 lbs.
9/32" (0.281)	LT - 300	0.298"	100	12"x12"x10"	32 lbs.

Notice:

All parts are manufactured and assembled in the U.S.A. Protected by U.S. Patents 8,898,961

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