



WATERTIGHT SEAL FOR ECOFASTEN BRACKETS

INSTALLATION GUIDE

REVISION:02/20/24

VERSION: V1.0

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SIMPLESEAL INSTALLATION GUIDE



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SIMPLESEAL

SimpleSeal was designed for installation on most metal roofs. The system utilizes a cone-shaped EPDM rubber bushing that fits into the countersink found on the underside of any EcoFasten compression bracket. When fastened to the roof, engaging a purlin or rafter, the SimpleSeal bushing is compressed inside the bracket, creating a watertight seal.

FEATURES

- Patented watertight technology
- · Minimal components
- Compatible with a variety of EcoFasten compression brackets

COMPONENTS

SIMPLESEAL

INSTALLATION GUIDE



SYSTEM COMPONENTS



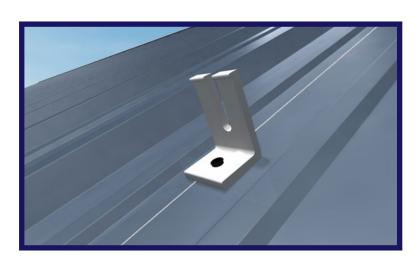
- 1. 5/16" LAG BOLT (AVAILABLE IN 3" AND 4")
- 2. SCL-101-3 COMPRESSION BRACKET (OTHER OPTIONS AVAILABLE)
- 3. 5/16" EPDM BONDED WASHER
- 4. SIM SEAL BUSHING



INSTALLING SIMPLESEAL



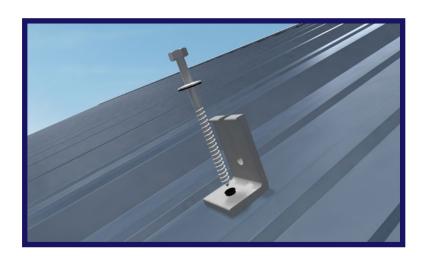
Pre-install the cone-shaped rubber Sim Seal bushing into an EcoFasten compression bracket of your choice prior to installation by inserting the tip of the cone into the corresponding shape in the bottom of the compression bracket. The ridge around the tip of the cone will hold the bushing in place until the bracket is installed.



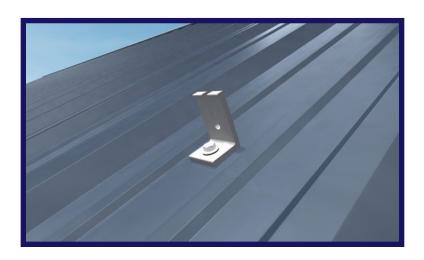
Place the compression bracket on roof surface above a supporting structural component, ensuring that the bushing sits flat against the roof surface. SimpleSeal is not designed to be installed on any ridge or corrugation of the metal roof surface.



INSTALLING SIMPLESEAL



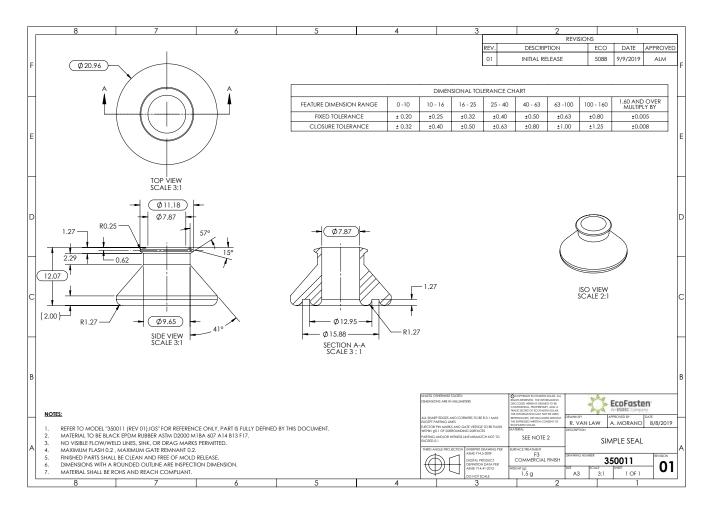
Thread the 5/16" EPDM bonded sealing washer onto the 5/16" lag bolt and insert the bolt into the top of Sim Seal bushing.



Tighten fastener until bracket is pulled down snug to the roof surface. The tension required will vary with the project roof deck, age, and type. Be sure not to over tighten the fasteners and strip the threads.



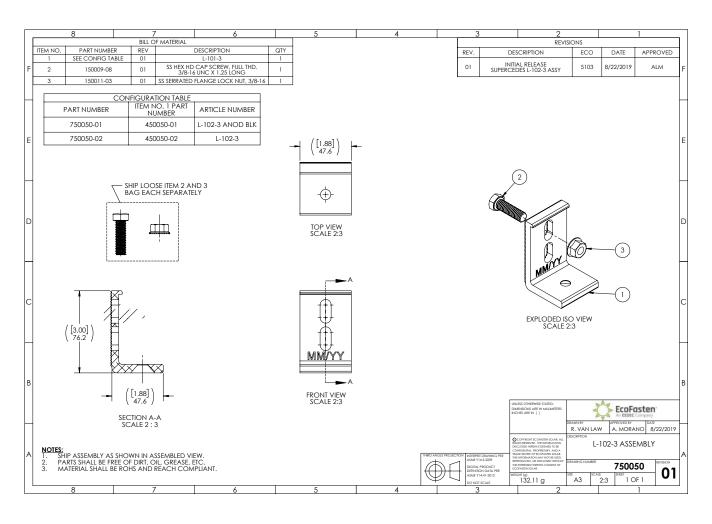
CUT SHEET: SIMPLESEAL



NE DRAWINGS.

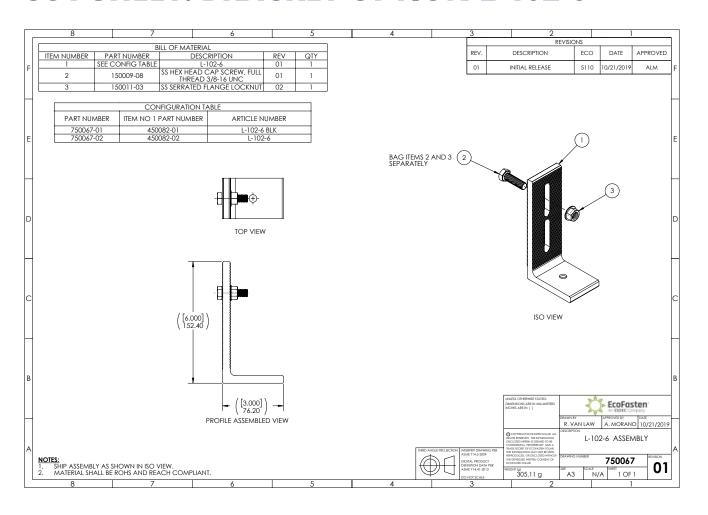


CUT SHEET: BRACKET OPTION L-102-3-ANOD BLK



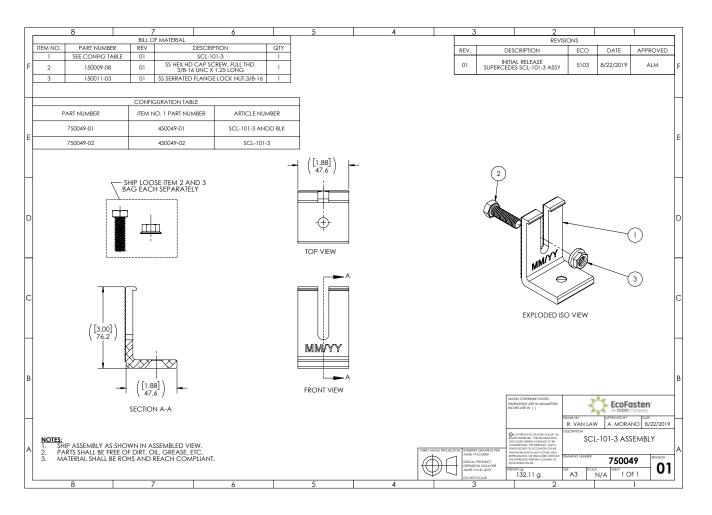


CUT SHEET: BRACKET OPTION L-102-6





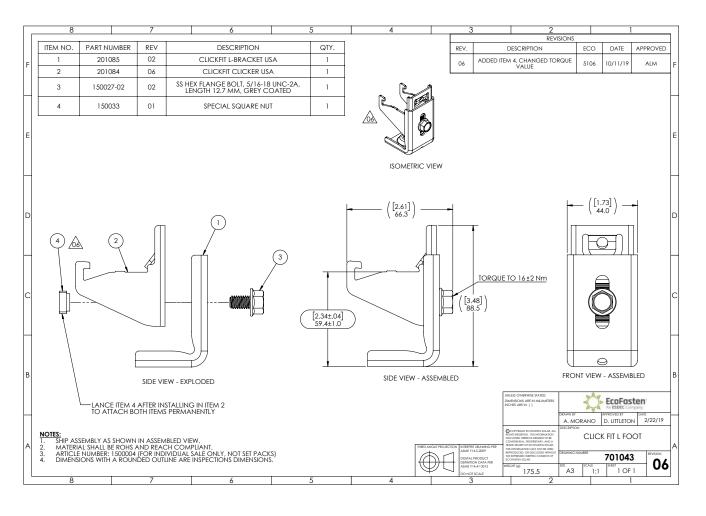
CUT SHEET: BRACKET OPTION SCL-101-3



LE DRAWINGS



CUT SHEET: BRACKET OPTION 1500004



NE DRAWINGS

PAGE **010**

SYSTEM COMPONENTS

1. Sim Seal Bushing:

Consists of (1) EPDM Rubbber cone-shaped bushing.

2. **Aluminum Compression Bracket:**

Compatible with a variety of EcoFasten compression brackets. EcoFasten compression brackets are made out 6000 series aluminum with options available for mill or black finishes depending on the bracket.

3. Recommended Fasteners

5/16"x4" lag bolts.

4. **Recommended Sealant:**

If required by roof manufacturer, sealant shall be roof manufacturer approved.

DELIVERY / STORAGE / HANDLING

Inspect material upon delivery. Notify manufacturer within 24 hours of any missing or defective items. Keep material dry, covered and off the ground until installed.

PATENTS

Visit www.efpatents.com for patent information.

DESIGN REQUIREMENTS

- 1. Bracket spacing to be recommended by project engineer.
- 2. Fasten attachment to roof using 1 5/16" lag bolt.
- 3. It is important to design new structures or assess existing structures to make sure they withstand retained loads.

EXAMINATION

- 1. Substrate: Inspect structure on which brackets are to be installed and verify that it will withstand any additional loading that may be incurred.
- 2. Notify General Contractor of any deficiencies before installing EcoFasten Solar brackets.
- 3. Verify that roofing material has been installed correctly prior to installing solar attachment bracket.

INSTALLATION

Comply with architectural drawings and project engineer's recommendation for location of system. Comply with Manufacturer's written installation instructions for installation and layout.

CIFICATION

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