**Required Tools:**
- Hammer or Stud Finder
- Drill with 1/8 inch Pilot Drill Bit
- Roof Sealant
- Torque Driver with Bit Adapter
- 1/2 inch Socket Wrench

**Materials included in Series 100 Straddle Block:**
1. (1) SnapNrack Corrugated Straddle Block

**Other Materials Required:**
1. (1) SnapNrack L-Foot Assembly
2. (1) 5/16in Lag Screw
3. (1) 5/16in Washer

**Technical Corrugated Block Data:**

<table>
<thead>
<tr>
<th>Material</th>
<th>6000 Series Heat Treated Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Mill Finish</td>
</tr>
<tr>
<td>Weight</td>
<td>0.3 LBS</td>
</tr>
<tr>
<td>Design Uplift Load</td>
<td>200 LBS Uplift</td>
</tr>
<tr>
<td>Design Ultimate Load</td>
<td>1000 LBS Uplift</td>
</tr>
</tbody>
</table>

*Only use Mill Finish L-foot with Split lock washer*
Step-by-Step Instructions

1) Locate the rafter underneath the decking of the roof by locating the screws. The rafter lies directly underneath the screws.

2) Drill a pilot hole through the roofing material into the rafter to ensure that the lag bolt will be located into a solid portion of the rafter. If the rafter is not found then seal the pilot hole immediately with roofing sealant.

3) Apply roofing sealant if needed directly onto the pilot hole and lag to ensure a water tight seal.

4) Attach the Corrugated Block with L-foot using a 5/16" lag bolt (TYP) or appropriate lag with a minimum embedment of 2 1/2" lag shank into the rafter. Tighten lag bolt to seat.

5) Tighten L-foot assembly silver hardware to 10 – 16 ft-lbs and tighten black hardware to 8-10 ft-lbs.

*Attach the metal roof base to rafter with 5/16" x X X/X" SS lag bolt MIN 2-1/2" thread penetration into wood rafter. After the pilot hole for lag bolt has been drilled into the rafter, seal w/ Chemlink M1 (OR EQUIV.) (Locally Sourced; Lag Bolt & Sealant Not Included)

Notes

- SnapNrack engineered systems should only be used with SnapNrack components and hardware. Any alternate application may void the warranty and structural calculations could become invalid.

Warning

- If a pilot hole is drilled and a rafter is not found, immediately seal pilot hole with roofing sealant to avoid water damage.
- Do not over tighten hardware.
- Always wear fall protection and safety gear.

Design Tools

- SnapNrack has a suite of design tools to help configure your PV installation to be an accurate and fast install. Please visit us at: www.SnapNrack.com