# 

# EZ Metal Roof Mount with "L" foot and Standoff: 2, 3, 5 inch.

Patent # US 8136311B and Patents Pending

## **INSTALLATION INSTRUCTIONS**

### **Please Read Carefully Before Installing**



Designed to standards EC002-2011 and UL-441-96 Rain Test

Document Number 2012-K10082a

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#### WARNING NOTICES:

- Installer is responsible for use and application of Personal Safety Equipment including but not limited to: fall protection, eye and hand protection, proper use of electrical cords, use of ladders, and electrical hazard protection.
- 2. **Torque values** are called out in this Instruction Manual and must be adhered to.
- 3. The use of **anti-seize compound** such as Permatex anti-seize lubricant is recommended for all threaded parts.

#### Contents:

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#### **Specifications:**

The pullout performance of the EZ Meta Roof Mount is entirely dependent upon the strength and correct mounting of the Lag Bolt in the roof joist. The pilot hole must not be oversized, the wood must be in serviceable condition, and the lag bolt must have at least 2 inches of thread in the joist timber.

#### Our tested specification is:

Pullout (uplift):2160 lbs lowest of 3 tests Lateral Deflection: 840 lbs. lowest of 3 Support (Dead load): 2500 lbs. Rain test: UL 441-96 designed to.

#### <u>These instructions cover the</u> <u>installation of the EZ Metal Roof</u> <u>mount product line including the</u> following:

• EZ Metal Roof mount with "L" foot, available in silver or black finish K10082-xxx



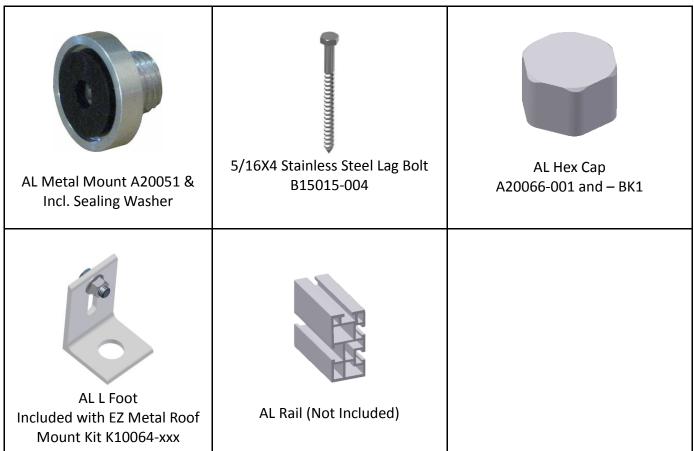
• EZ Metal Roof mount with standoff, 2-3-5 inch K10064-xxx



 SunPump "L" foot connection to standard and light rail. K10066-001 and 002 tall.

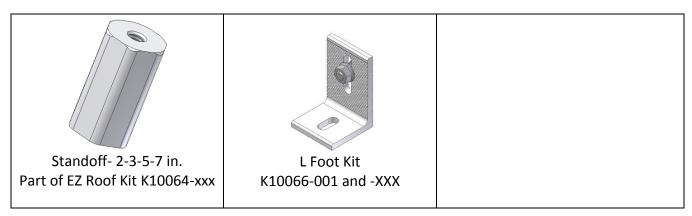


# Part List for EZ Metal Roof Mount Kit K10082-001 with "L" foot and K10064-XXX with standoff (AL rail not included in the kit):

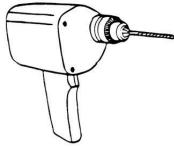


\*Note that -xxx variants are Black, extra height, extra length, and other options.

#### Different Parts for Standoff Mount, "L" foot on Standoff, and "C" Bracket:



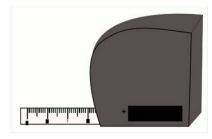
#### Tools and Supplies needed for Installation:



Electric Drill



Drill Bit for lag bolt, 7/32 inch diameter.



Tape measure to layout roof installation.



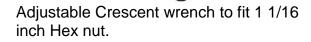
Anti-seize compound (Permatex 80071 or equavalent).



Caulk gun and silicon sealant (Trempro 644) construction sealant or equavelent).

Other items that can be useful:

- Chalk or roofers marker to layout roof.
- Adaptor for 3/8 inch socket to drill chuck
- Torque wrench with 9/16 and 1 1/16 sockets. (Lag bolt and Hex cap)





3/8 Socket wrench with 9/16 deep socket for lag screws and 7/16 deep socket for mid and end clamps.

#### Installation of the EZ Metal Roof Mount Kit K10082-xxx

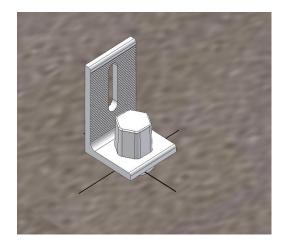
 Positively locate the center of joist or purlin under the roof. The EZ Metal Roof mount **must** be mounted on a flat portion of the metal roofing to seat and seal properly. Drill the pilot hole for the lag bolt with a 7/32 drill bit. For maximum strength, the hole should be 3 inches in depth in the wood, and a drill stop may be used to insure this.



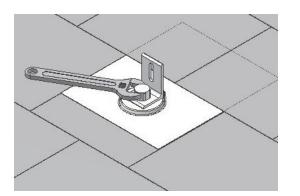
 Clean sawdust, and fill hole with sealant. Install AL metal mount to the roof by using a 5/16 lag bolt (Use Trempro 644 Construction Silicon Sealant or Equivalent). Make sure the washer on the bottom of the Metal Mount is positioned correctly.



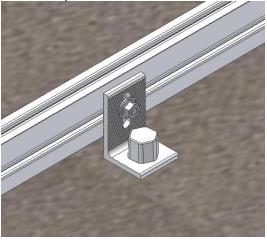
3. Insert the "L" foot over the threaded shank of the Metal Roof Mount and fasten in place using the Hex Nut as shown below.



4. Tighten the Hex nut to a torque value of 15 ft. Lbs. using a crescent wrench or torque wrench as shown in the diagram below.



5. Install AL rail (not supplied with the kit) to the "L" foot to the specific orientation. Then, tighten AL hex cap and flange nut to 20 lbs-ft torque.



#### Installation of the EZ Roof Mounting Standoff Kit K10064-xxx

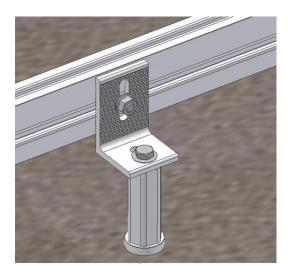
- 1. Mount the AL shoe the same as shown above in steps 1 and 2.
- Hand tighten the standoff onto the Metal Roof mount. The use of Ant-seize paste such as Permatex 80071 is recommended to prevent the Aluminum threads from seizing. Tighten to 20 ft. lbs as shown in the diagram below.



 If an "L" foot is to be used, attaché to the top of the Standoff using the 3/8 by 1 inch stainless bolt supplied with the standoff.



4. Using the 3/8 inch bolt and flange nut supplied with the "L" foot to attach the rail.



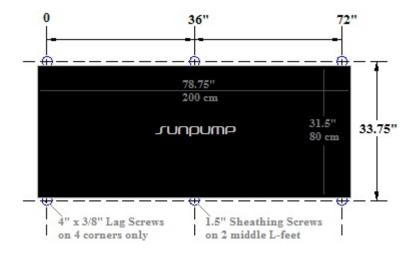
#### 10 Year Product Warranty and 5 Year Finish Warranty

#### **Terms and Conditions**

SunPump warrants the original Purchaser that each Mounting Structure to be free from defects in materials and workmanship for a period of 10 years except for the finish, which shall be free from visible peeling, or cracking under normal atmospheric conditions for a period of 5 years starting from 1) the date of installation at the original site or 2) 30 days after the original purchase. The Finish Warranty does not apply to any foreign residue deposited on the finish. The Finish Warranty Is void if the practices specified by AAMA 608& 610-02-"Cleaning and Maintenance for Architecturally Finish Aluminum" (www.aamanet.org) are not followed by Purchaser. The limited warranty is void if the products are not installed properly in accordance with SunModo's Written Installation instructions, or is not used for the purpose for which it is designed, or the product has been modified, repaired, or reworked not authorized by SunPump.

#### **SunPump Limited Warranty**

The Warranty does not cover the product that is damaged resulting from shipping, storage, and misuse or abuse during installation. The limited warranty covers the cost of parts to repair or replace the products to a proper working condition. Transportation and incidental costs associated with warranty items are not reimbursable SunPump Limited Warranty only covers its products and under no circumstances will be liable for indirect or consequential damages resulting from or related use by original purchaser of the product.



#### Address all inquiries to:

SunPump Solar Inc Ph: 866-855-2017

Web: www.sunpump.solar Dealers: sunpump.freshdesk.com

### Insulated Line-Set Flashing

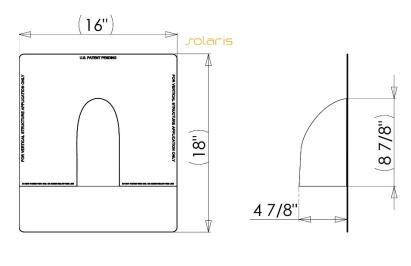


The AC-UC is a one piece UV-proof plastic composite that is ideal for Shingle Roofs.

The Scoop is under 5" and has a 1.25" EPDM seal molded in for the insulated line set pair. Look at the install above for the location at the center of 8 panels.



USA made. Comes in boxes of 4.





Pricing Effective: June 2011 Revised: June 2011 • Replaces: September 2008

### ROOFING — VENTING, DRAINS, AND PLUMBING COMPONENTS

#### PLUMBING FLASHINGS 5-IN-1 PLUMBING PIPE FLASHING

- The 5-in-1 replaces 5 separate plumbing flashings with one small display box, freeing up valuable shelf space
- Knock down display box contains the flashings, while still making the 5-in-1 flashing very visible
- Each 5-in-1 flashing comes with instructions
- Each 5-in-1 flashing is bar coded for automated check outs
- Rubber is able to maintain tension at contact with ABS pipe, unlike flashing made with PVC
- Flashing has a 4" base flange for extra protection

#### Fits:

1-1/4" Plastic • 1-1/2" Copper • 1-1/2" Plastic • 2" Copper • 2" Plastic • 3" Plastic • 4" Plastic

STOCK #	MODEL	PCS/CTN	WEIGHT (LBS/CTN)	PRICE/EA
887700	5-in-1	25	15.55	\$18.00

#### MASTER FLASH® PIPE FLASHINGS

- Designed to seal on any panel configuration and roof pitch
- Made of EPDM with a flexible aluminum alloy base
- Covers all applications from -65°F to 275°F
- UPC listed

STOCK # MODEL MFG. # DESCRIPTION PRICE CTN QTY C680001 19110 15 P.O.A. No. 1 1/4" - 2" Pipe Flashing C680001 19111 No. 2 1-3/4" - 3-1/4" Pipe Flashing P.O.A. 15 C680001 19112 No. 3 1/4" - 4" Pipe Flashing P.O.A. 15 887706 19113 No. 4 3" - 6" Pipe Flashing 10 \$36.00 P.O.A. C680001 19114 No. 5 4" - 7" Pipe Flashing 10 5" - 9" Pipe Flashing 887708 19115 No. 6 10 49.00 C680001 19116 No. 7 6" - 11" Pipe Flashing 10 P.O.A. No. 8 7" - 13" Pipe Flashing 5 90.00 887710 19117 C680001 19118 No. 9 10" - 18" Pipe Flashing 5 P.O.A.



**Metal Roof** 

## Fits 1<sup>4</sup>/<sub>4</sub>" plastic or 1<sup>1</sup>/<sub>2</sub>" copper Meets CSA B272-93 Meets UPC PS64-98 Fits 3" plastic Fits 3" plastic Fits 4" plastic

Shingle Roof





