

Quick Mount PV[®]

Installation Guide 703: QMCS CLICKSYS Mount

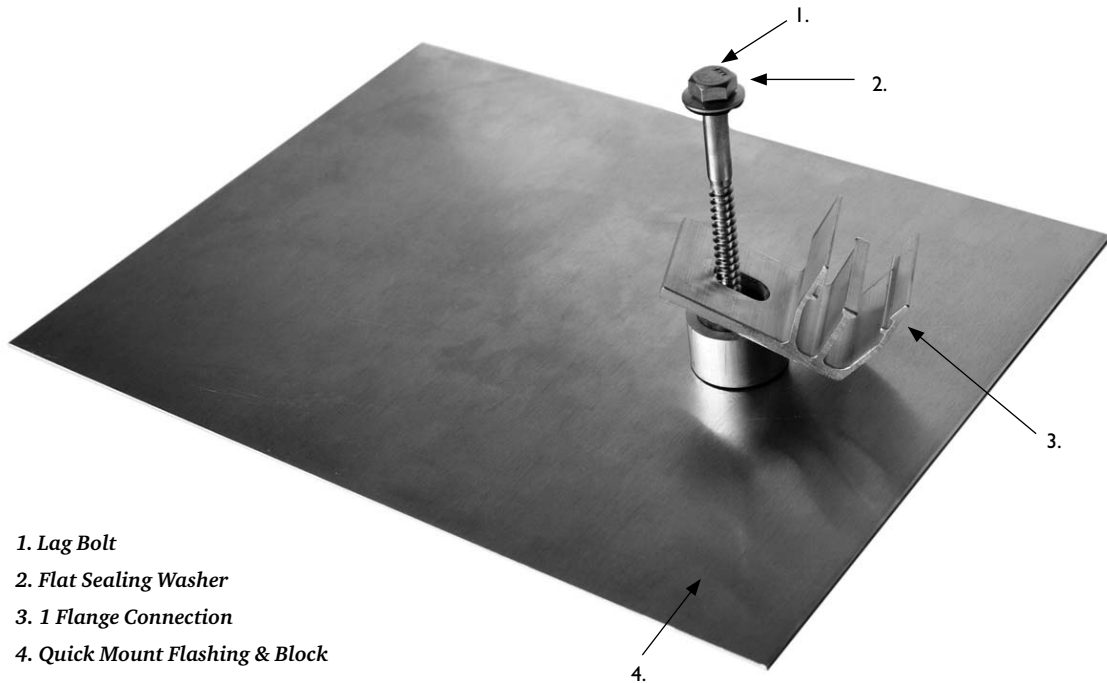
This product is intended to flash into a new or existing asphalt or wood shingle roof systems with a maximum shingle exposure of 5 1/2"



Quick Mount PV is an all-in-one waterproof flashing and mount to anchor CLICKSYS™ systems to a new or existing asphalt or wood shingle roof. It is made in the USA of all aluminum and includes stainless steel hardware. It installs seamlessly and saves labor by not needing to cut away any roofing. Quick Mount PV will also out-live galvanized 2 to 1, and is a better low-profile mount.



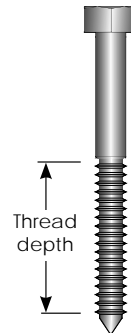
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- 1. Lag Bolt
- 2. Flat Sealing Washer
- 3. 1 Flange Connection
- 4. Quick Mount Flashing & Block

Table 1. Lag pull-out (withdrawal) capacities (lbs) in typical roof lumber (ASD)

	Lag screw specifications	
	Specific gravity	$\frac{5}{16}$ " shaft,* per inch thread depth
Douglas Fir, Larch	0.50	266
Douglas Fir, South	0.46	235
Engelmann Spruce, Lodgepole Pine (MSR 1650 f & higher)	0.46	235
Hem, Fir, Redwood (close grain)	0.43	212
Hem, Fir (North)	0.46	235
Southern Pine	0.55	307
Spruce, Pine, Fir	0.42	205
Spruce, Pine, Fir (E of 2 million psi and higher grades of MSR and MEL)	0.50	266



Sources: American Wood Council, NDS 2005, Table 11.2A, 11.3.2A.

Notes: (1) Thread must be embedded in the side grain of a rafter or other structural member integral with the building structure.

(2) Lag bolts must be located in the middle third of the structural member.

(3) These values are not valid for wet service.

(4) This table does not include shear capacities. If necessary, contact a local engineer to specify lag bolt size with regard to shear forces.

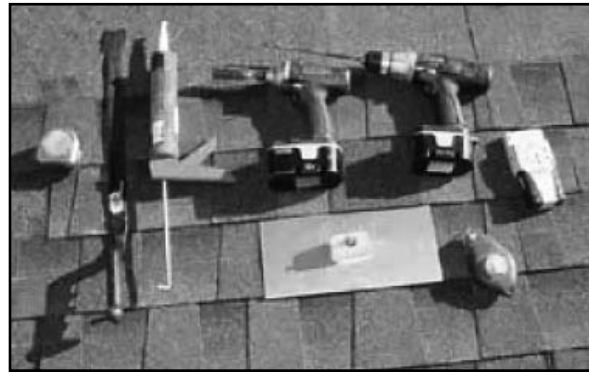
(5) Install lag bolts with head and washer flush to surface (no gap). Do not over-torque.

(6) Withdrawal design values for lag screw connections shall be multiplied by applicable adjustment factors if necessary. See Table 10.3.1 in the American Wood Council NDS for Wood Construction.

*Use flat washers with lag screws. Flat washers are not necessary with concealor screws.

Tools Needed:

- measuring tape
- roofer's flat bar
- chalk line
- stud finder
- caulking gun with roofing sealant
- drill with 1/4" diameter bit
- drill with 1/2" deep socket



Installation:

1. LOCATE RAFTER

Using horizontal and vertical chalk lines to align hole for placement of each Quick Mount QMCS to rafter.

2. DRILL PILOT HOLE

Using drill with 1/4" long bit, drill pilot hole through roof and rafter, taking care to drill square to the roof.



* Do not use the flashing as a drill guide

3. LIFT SHINGLE

Lift composition roof shingle with roofer's flat bar, just above placement of Quick Mount QMCS.



4. SEAL HOLE

Using caulking gun with roofing sealant, squeeze a dab of roofing sealant that is compatible with the roof type into the hole.



5. SLIDE QUICK MOUNT QMCS INTO PLACE

Lift comp shingle and slide Quick Mount QMCS into place.



6. ASSEMBLE AND ATTACH LAG BOLT ATTACHMENT

Assemble lag bolt with flat washer, I Flange Connection as shown in the picture. Use drill with ½” deep socket to tighten flashing into place.



10 year limited Product Warranty, 5 year limited Finish Warranty

Quick Mount PV, warrants to the original purchaser (“Purchaser”), of product QMCS ClickSys Mount which it manufactures (“Product”), that at the original installation site the Product shall be free from defects and/or failures due to materials, workmanship, and manufacturing for a period of ten (10) years, except for the anodized finish, if anodized. Quick Mount PV, warrants to the original Purchaser that the Product finish (“Finish Warranty”) shall be free from visible peeling, or cracking or chalking under normal atmospheric conditions for a period of five (5) years, from the earlier of either, 1) the date the installation of the Product is completed, or 2) 30 days after the purchase of the Product by the original Purchaser. The Finish Warranty does not apply to any foreign residue deposited on the finish. All installations in corrosive atmospheric conditions are excluded. The Quick Mount PV Warranty is VOID if the

practices specified by AAMA 609 & 610-02 – “Cleaning and Maintenance for Architecturally Finished Aluminum” (www.aamanet.org) are not followed by Purchaser. This warranty does not cover direct or incidental damage to the Product that occurs during its transport, storage, or installation.

The following are not covered in this warranty and shall void this warranty; non-observance of Quick Mount PV’s written installation instructions; improper installation, application, and/or removal of the Product; installation of the Product in an environment for which it was not designed; modification(s), repair(s), alteration(s), and/or manipulation(s) of the Product in a manner not previously authorized by Quick Mount PV IN WRITING; misuse and/or abuse of the Product; use with any rack other than ClickSys.

Under no circumstances shall Quick Mount PV be liable for any damages, including and not limited to contingent, special, indirect, consequential, or incidental damages, arising out of or related to the use of the Product by Purchaser. If the Product is reasonably proven to be defective within the specified Warranty periods, then Quick Mount PV shall repair or replace the defective Product, or any part thereof, at Quick Mount PV’s sole discretion. Such repair or replacement shall completely satisfy and discharge all of Quick Mount PV’s liability with respect to this limited Warranty.

Manufacturers of related items, such as PV modules and racking, may provide written warranties of their own. Quick Mount PV’s limited Warranty covers only its Product, and not any related or unrelated items.