

SMART CONDUIT

ADAPTABLE WATERTIGHT
CONDUIT SUPPORT

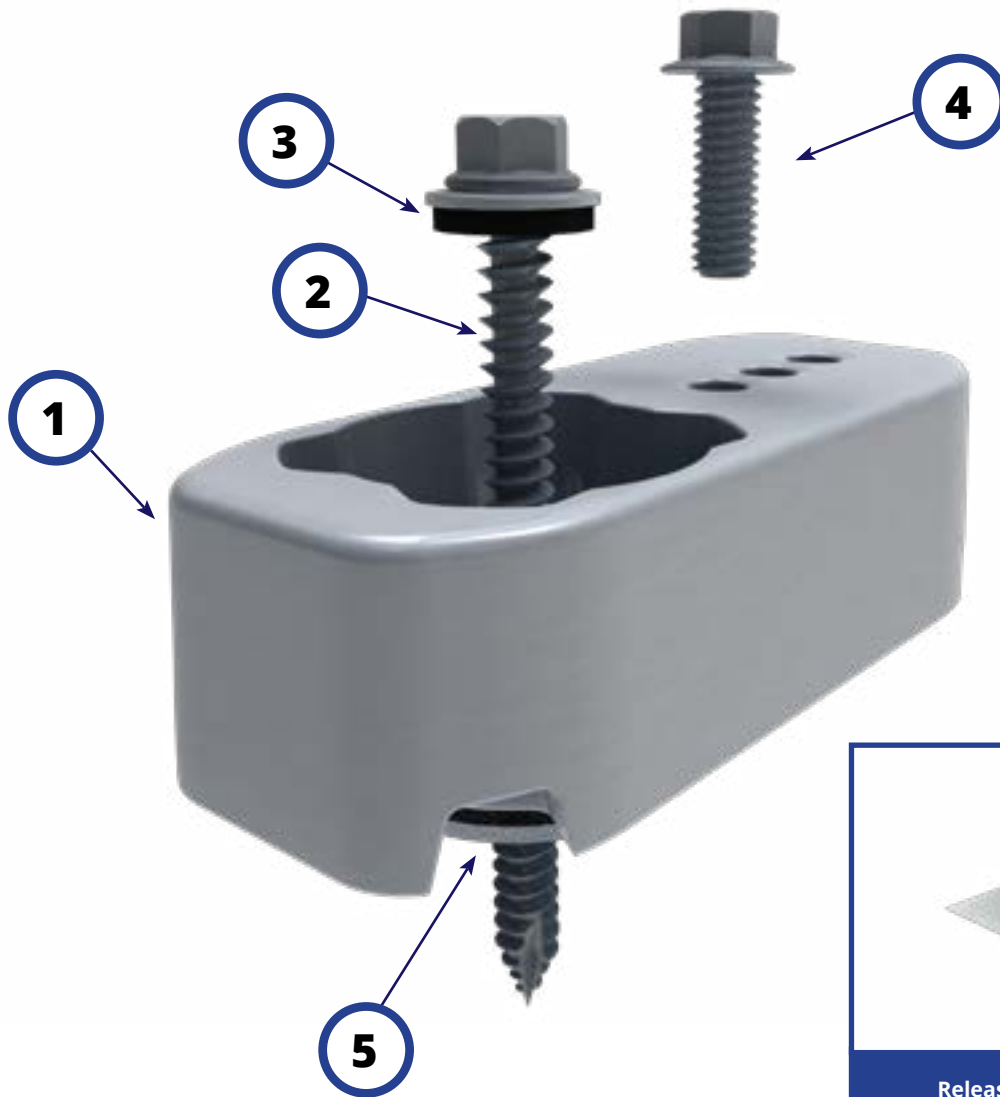
INSTALLATION GUIDE

REVISION DATE: 10/27/23

VERSION: v1.1

Smart Conduit Mount

INSTALLATION GUIDE



1. SMART CONDUIT MOUNT
2. SELF DRILLING SCREW, #14, WOOD TIP
3. WASHER, EPDM BACKED

4. THREAD ROLLING SCREW, HEX FLANGE HEAD
5. ULTRAGRIP TECHNOLOGY™ INTEGRATED FLASHING SYSTEM

****Conduit Strap not included****

COMPONENTS

Smart Conduit Mount

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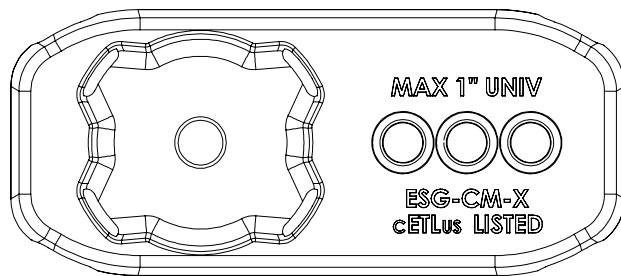


RATINGS

Temp Rating	-40° C to 90° C (-40°F to 194°F)
Load Rating	60 lbs
Locations	Suitable for use in wet locations
Approved Conduit Types	MAX 1" UNIV - EMT, RMC, IMC, Rigid PVC and Liquid Tight Flexible Metallic Conduit MAX 1-1/4" - EMT and Rigid PVC
Certification	Conforms to UL STD 2239 and Certified to CSA STD C22.2 No. 18.4, Conforms to UL SUBJECT 2703A
Thread Rolling Screw Torque Value	40 in-lbs
Support Interval	Suitable for Max 3.05 m (10 ft)

UL 2239 & UL 2703A LISTED

Marking located on top of Mount



#5026534

INSTALLER NOTES

- Approved for use with listed hangers, straps or other alternative mounting devices, such as strut, bridging or other components.

Water Seal Ratings

- TAS 100A-95 "Wind Driven Rain Test"
- UL Standard 441 Section 27 "Rain Test"
- Steep Slope Ratings applicable for Asphalt Shingle roofs with slopes 2:12 and up
- Low Slope Ratings applicable for Roll Roofing (Rolled Comp) roofs with slopes 1:12 and up
- Low Slope Ratings applicable for Modified Bitumen (Mod-Bit) roofs with slopes 1/4:12 and up
- Tested and evaluated without sealant

Smart Conduit Mount

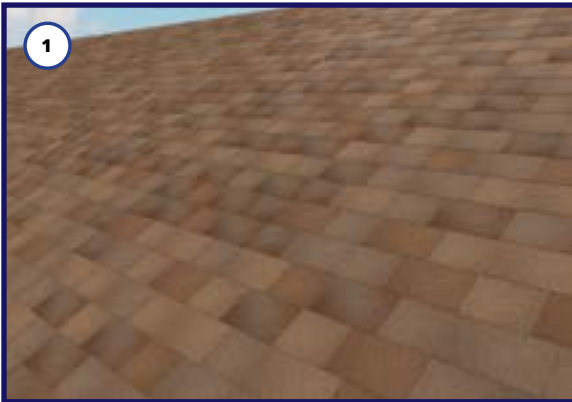
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SMART CONDUIT MOUNT INSTALLATION

TOOLS REQUIRED: Tape measure, chalk line, marking tool, hand brush, impact driver, and 5/16" hex socket with adapter (or 5/16"x4" power nut setter).

INSTALLATION TEMPERATURE: Min Ambient Temp = 5° F (-15° C) / Max Ambient Temp = 118° F (48° C)



- 1 Prepare Smart Conduit Mount location by brushing away dirt and debris. Ensure no snow or ice is present, blot area dry if wet.

- Ensure that roofing shingles are in good condition and will last the lifetime of the solar array.
- Avoid storing boxes of Smart Conduit Mount in direct sunlight, store in shade whenever possible.



- 2 Remove release liner from the bottom of the Smart Conduit Mount and place it into position on the roof.

- Make sure to fully remove the release liner before installation.
- Determine Conduit Mount locations based on conduit run, follow NEC guidelines for spacing requirements.



- 3 Make sure to place the Smart Conduit Mount on the flat part of the shingle.

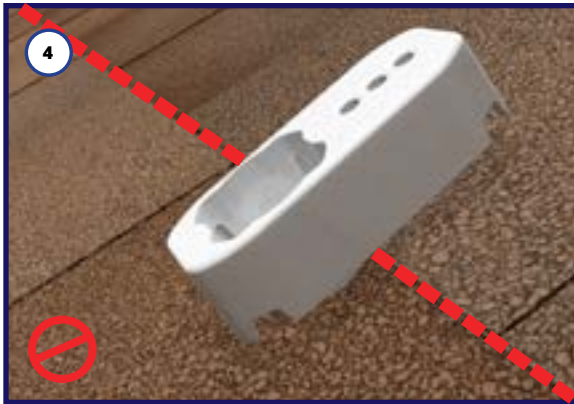
- Smart Conduit Mount can be installed 360° in any orientation.
- Adjust Smart Conduit Mount spacing as needed to avoid shingle steps, space no more than 10' apart.

Smart Conduit Mount

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SMART CONDUIT MOUNT INSTALLATION



- 4 Install Smart Conduit Mount on individual shingle course, DO NOT straddle two different shingle courses.



- 5 Drive the Structural Screw using 5/16" socket and tighten until EPDM washer is flattened and Smart Conduit Mount is secured.

- **NOTE:** Smart Conduit Mount will be very difficult to relocate, always double check before placing. If UltraGrip™ pad becomes damaged, replace Smart Conduit Mount.



- 6 Place conduit over Smart Conduit Mount, connect user supplied conduit strap or hanger to conduit, then secure into position by driving the included thread rolling screw into one of the three optional screw positions.

- **Tip:** The Smart Conduit Mount can be attached to the conduit before being secured to the roof.
- Smart Conduit Mount can be painted to match the roof.