

## AnchorFoot™ Training Guide – Standard Composition

### Overview

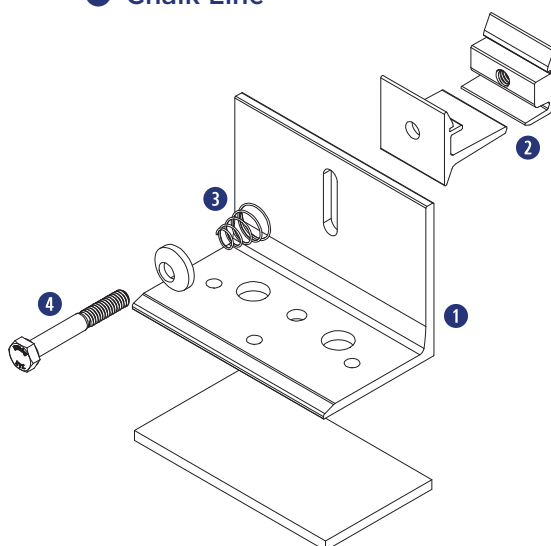
- This training guide outlines best practices for installing the AnchorFoot™ attachment with butyl on composition shingle roofs. This Guide is meant to supplement the Ultra Rail Installation Manual and provide detailed instructions on installation practices that produce high quality systems and maintain construction efficiency. The target audience of this guide is experienced rooftop solar installers with a strong understanding of solar construction best practices, and a basic understanding of the Ultra Rail mounting system.

### Required Tools

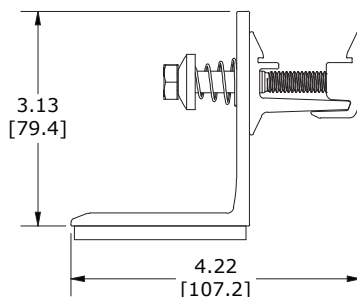
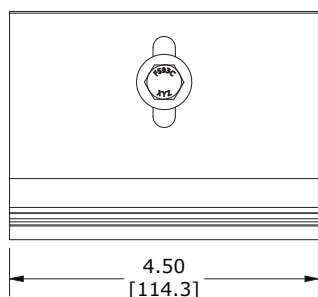
- Drill Driver or Impact Driver
- ½" Hex Socket
- Chalk Line

### Materials Included - AnchorFoot™

- ① (1) SnapNrack AnchorFoot™
- ② (1) SnapNrack Ultra Rail Mount
- ③ (1) SnapNrack Ultra Mount Spring
- ④ (1) 5/16"-18 X 2 ½" SS Flange Bolt



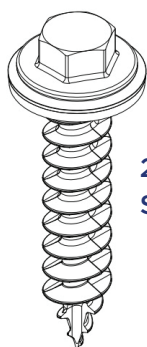
**Application Note:**  
Install on composition shingle roofs.



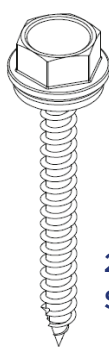
Dimensioned AnchorFoot™

### Other Materials Required

- ① (2) SnapNrack DeckAnchor™, OR (4) #14 Stainless Steel Screw with EPDM-Backed Washer, OR (1) 5/16" SS Lag Screw with EPDM-Backed Washer



242-10035  
SnapNrack DeckAnchor™, 2.5



242-02175  
SnapNrack Sealing Washer Wood Screw, #14 X 2 ¾", SS

242-02168  
SnapNrack Sealing Washer Lag, 4 ½", SS



# AnchorFoot™ with DeckAnchor™ Installation

- 1 Remove paper from base of AnchorFoot™.

*Best Practice: Properly dispose of paper.*



- 2 Using roof attachment locations drawn during system layout, check positioning of AnchorFoot™ for proper alignment on one shingle course only.

*Best Practice: AnchorFoot™ should never be installed across two shingle courses. Remove any dirt or debris from roof surface before AnchorFoot™ is installed.*

*Installation Note: Fill any seam in shingles within 4" of a deck screw with sealant prior to installing AnchorFoot™.*



- 3 Insert first DeckAnchor™ through AnchorFoot™ mounting hole and drive into roof.



- 4 Tighten the DeckAnchor™ until the rubber sealing washer is slightly squished out around the metal washer.

*Best Practice: To avoid over tightening the screws a drill driver can be used with the clutch set to provide just enough torque to squish the rubber gasket.*



# AnchorFoot™ with DeckAnchor™ Installation

- ⑤ Repeat Steps 3 & 4 for the remaining DeckAnchor™ screws.

*Install Note: Butyl should squeeze out from remaining holes (if applicable).*



## Alternative Mounting Methods:

- ⑥ **Optional Deck Mount (4) Wood Screws:**  
After locating and marking rafters on the roof use four (4) #14 Wood Screws to attach the AnchorFoot™ to the roof decking by following Steps 1-5 above. ½" Minimum Embedment



- ⑦ **Optional Rafter Attachment Step:**  
After locating and marking rafters on the roof use two (2) #14 Wood Screws to attach the AnchorFoot™ to rafters and decking by following Steps 1-5 above. The two screws in the center of the AnchorFoot™ must be embedded into the center of the rafter. 1 ¼" Minimum Embedment



- ⑧ **Optional Rafter Attachment Step:**  
After locating and marking rafters on the roof use one (1) 5/16" SS Lag Screw & washers to attach the AnchorFoot™ to rafter and decking by following Steps 1-5 above. The lag screw should use the larger center hole of the AnchorFoot™ and be embedded into the center of the rafter. 2 ½" Minimum Embedment

