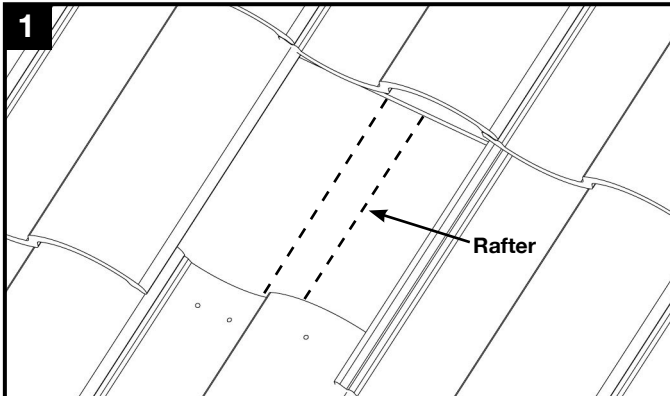


| NO. | DESCRIPTION |
|-----|---------------------|
| 1 | ASSY, ALL TILE HOOK |
| 2 | BOLT, LAG 5/16 X 4" |
| 3 | BASE |

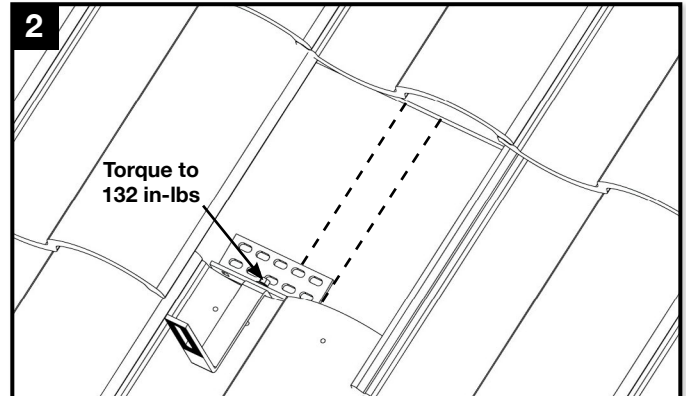
| | | |
|---------------------|----------------------|--------------|
| ASSY, ALL TILE HOOK | | |
| SIZE A | DO NOT SCALE DRAWING | |
| SCALE: 1:4 | WEIGHT: LBS | SHEET 1 OF 1 |

All Tile Hook Installation

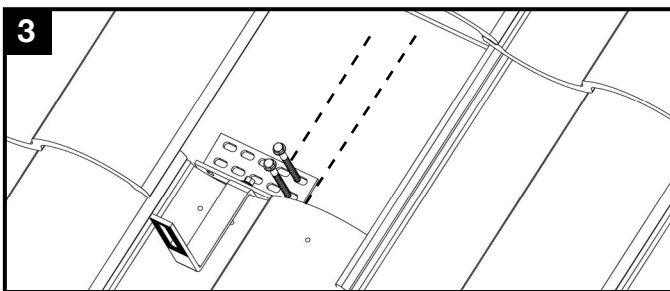
Tools Required: tape measure, chalk, caulking gun, driver, 7/16" hex socket, and 1/4" drill bit (optional: stud finder and tile grinder)



Remove tile and locate rafter.



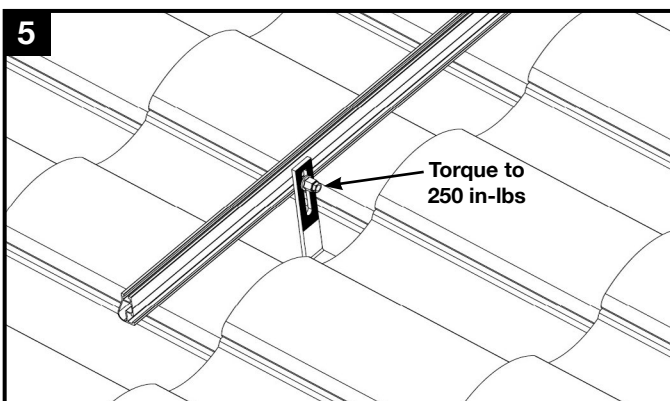
Position base over rafter, adjust arm if necessary and torque hardware to 132 in-lbs (11 ft-lbs). Position arm near center of valley for curved tiles, and away from joining seam for flat tiles.



Use base as guide to drill 1/4" pilot holes, then fill with roofing manufacturer's approved sealant. Insert lag bolts and tighten until fully seated. [IronRidge offers an optional aluminum deck flashing](#). Other approved flashing methods include user supplied adhesive backed flexible flashing.



Replace tiles and notch if necessary to ensure proper fit.



Attach rails to either side of slot using bonding hardware. Level rails at desired height. Ensure hook does not extend above rail. Torque hardware to 250 in-lbs (21 ft-lbs).

Structural Certification

Designed and Certified for Compliance with the International Building Code & ASCE/SEI-7.

Water Seal Ratings

Water Sealing Tested to UL 441 Section 27 "Rain Test" and TAS 100(A)-95 "Wind Driven Rain Test" by Intertek. Ratings applicable for concrete tile roofs having slopes between 2:12 and 12:12. Tested and evaluated without sealant. Any roofing manufacturer approved sealant is allowed.

UL 2703

Conforms to UL 2703 Mechanical and Bonding Requirements. See IronRidge Flush Mount Installation Manual for full ratings.