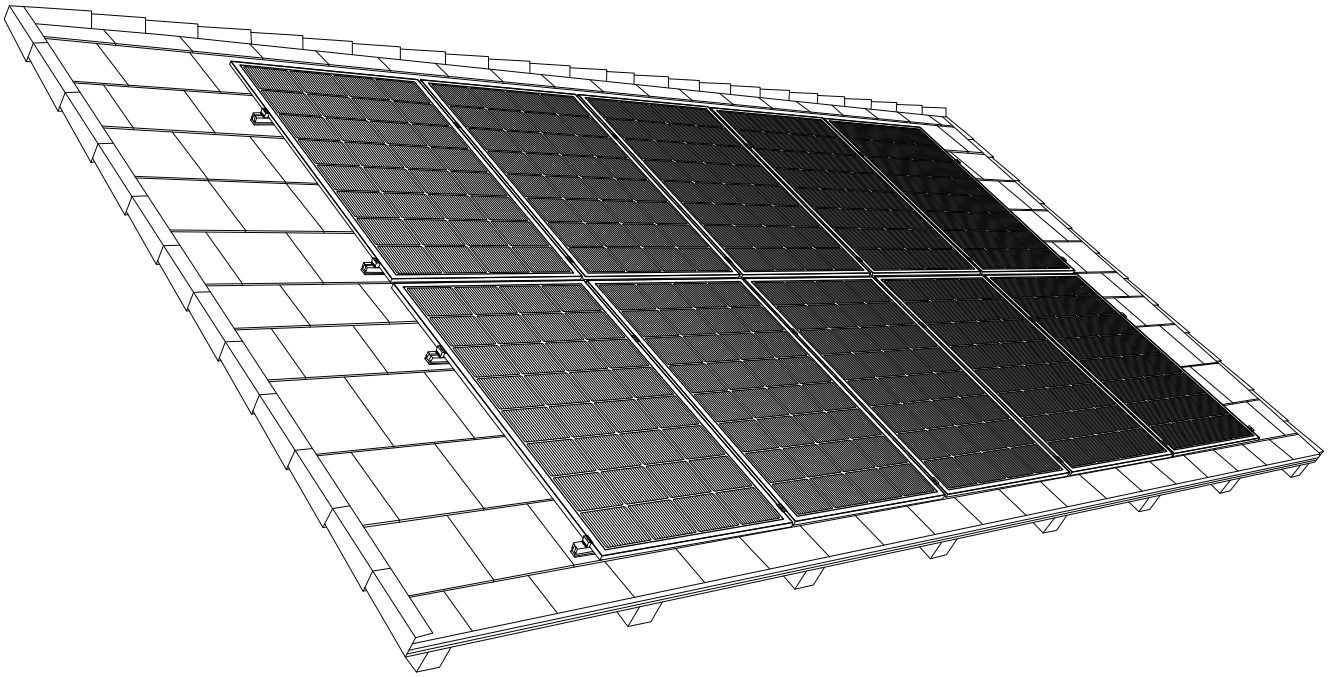
SOLRMOUNT

Create Innovate Optimise



Slate Roof System

Installation Guide

Warranty and Standards

Product Warranty

25 years limited product warranty
25 years design life warranty
5 year limited Finish warranty

Solrmount guarantees that the Product will be free from defects in material and workmanship for a period of 25 years, except for the anodised finish, which shall be free from visible peeling, cracking, or chalking under normal atmospheric conditions for a period of 5 years from the earlier of the date the installation of the Product is completed or 30 days after the purchase of the Product by the original Purchaser ("Finish Warranty"). The Finish Warranty does not apply to any foreign residue deposited on the finish. All installations in corrosive atmospheric conditions are excluded. The Finish Warranty is VOID if the practices specified by AAMA 609 & 610-02 – "Cleaning and Maintenance for Architecturally Finished Aluminium" (www.aamanet.org) are not followed by the Purchaser. This Warranty does not cover damage to the Product that occurs during its shipment, storage, or installation.

This Warranty shall be VOID if the installation of the Product is not performed in accordance with Solrmount's written installation instructions, or if the Product has been modified, repaired, or reworked in a manner not previously authorised by Solrmount IN WRITING, or if the Product is installed in an environment for which it was not designed. Solrmount shall not be liable for consequential, contingent, or incidental damages arising out of the use of the Product by the Purchaser under any circumstances.

If, within the specified Warranty periods, the Product is reasonably proven to be defective, then Solrmount shall repair or replace the defective Product, or any part thereof, in Solrmount's sole discretion. Such repair or replacement shall completely satisfy and discharge all of Solrmount's liability with respect to this limited Warranty. Under no circumstances shall Solrmount be liable for special, indirect, or consequential damages arising out of or related to the use by the Purchaser of the Product.

Manufacturers of related items, such as PV modules and flashings, may provide written warranties of their own. Solrmount's limited Warranty covers only its Product and not any related items.

Certificate Of Standards

Applied systems: Pitched roof, Flat roof, Ground Mounts

This accreditation has been granted in accordance with the Eurocodes, NEN 7250, GB50797 I AS, AS/NZS 1170.2:2021, JISC8955, and ASCE 7-10 standards.

It verifies that all solar mounting systems manufactured by SOLRMOUNT LIMITED have been devised, computed, and manufactured in alignment with these codes, or their derivatives. SOLRMOUNT LIMITED complies with the relevant CE regulations concerning product safety under 2001 /95/EG, as well as the pertinent sections of the newly proposed BRL9931 for solar system components

Types of systems employed: Pitched roof, Flat roof, Ground Mounts

Standards utilised: EN 1990, EN 1991-1-3, EN 1991-1-4, EN 1993-1-1, EN 1993-1-3, EN 1997, EN 1998-1, EN 1999-1-1, NEN 7250, 2001 /95/EG, BRL9931, GB50797 /AS, AS/NZS 1170.2:2021, JISC8955, ASCE7-10

Fundamental principles of structural design:
Snow loads' impact on structures Wind actions' impact on structures Steel structures' design regulations for buildings Design regulations for cold formed members of steel structures Geotechnical design Seismic actions' impact on structures Design of aluminum structures Integration of solar systems into roofs and facades Product safety Solar system components Relevant country-specific annexes of EN 1990, EN 1991-1-3, and EN 1991-1-4 have been adhered to.

TÜVRheinland®

DAkkS Deutsche Akkreditierungsstelle

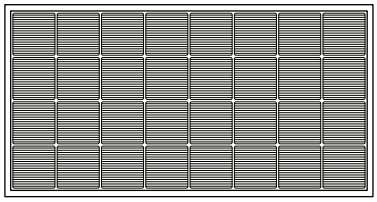
CE

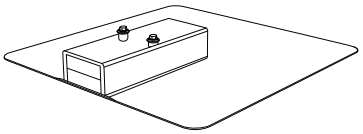
⚠ Safety Warnings

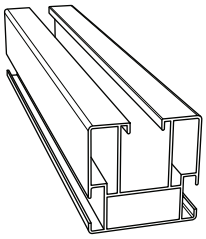
The Solrmount mounting system must be installed by qualified technical personnel, with at least two professionals as a standard requirement.

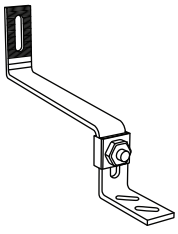
- Adding or omitting components can negatively affect the system's operation and is strongly discouraged.
- Ensure the roof is clean, dry, level, and free of algae before placing the solar panels.
- Avoid installation during high winds or when the roof surface is smooth and wet.
- Always wear a safety harness and use safety nets and edge protection when working on a sloped roof.
- Slide roof tiles upward to create recesses for foot placement, but never stand in the gutter.
- Never walk on the system or the solar panels.
- Wear shoes with reinforced toecaps and strong, anti-slip soles.
- Always wear appropriate protective clothing during installation.
- Use lifting assistance or hoisting equipment for moving materials like solar panels.
- Place the ladder on a strong, stable base.
- Position the ladder at an angle of approximately 75 degrees and ensure it extends about 1 meter above the roof edge.
- Secure the top of the ladder with a rope or tensioning strap if possible.
- Preferably, follow the "Working Safely on Roofs" manual.

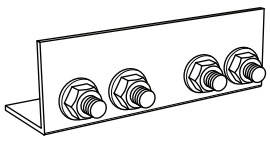
Parts List

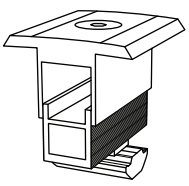

Solar Panel

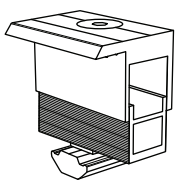

Quick Flashing

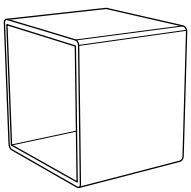

Rail


Slate Hook


Joiner

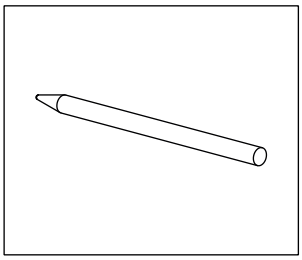

Mid Clamp


End Clamp

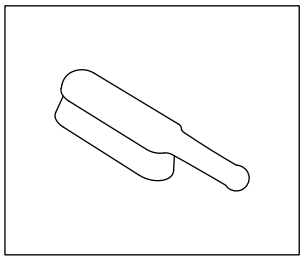

End Cap

Tools and Accessories

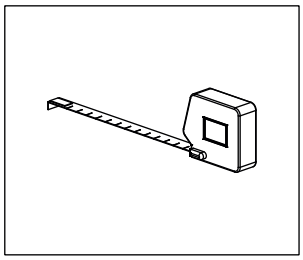
Here is a list of the tools/aids required:



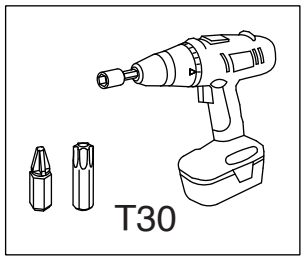
Marker / chalk



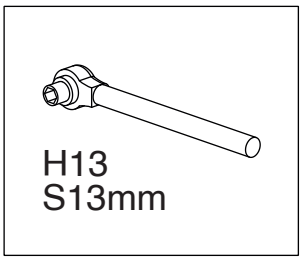
Brush



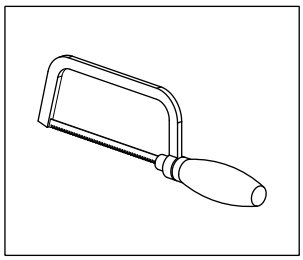
Tape measure



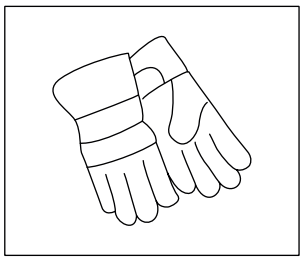
Battery-powered screwing drill



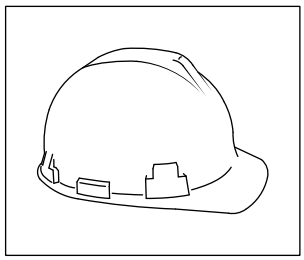
Hexagon socket ratchet



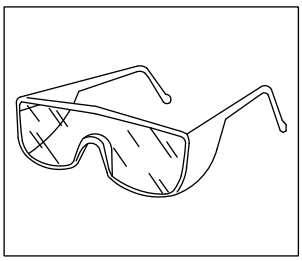
Metal saw



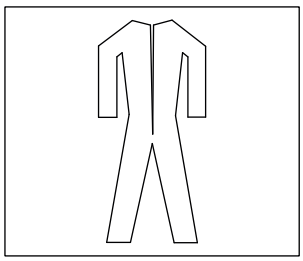
Safety gloves



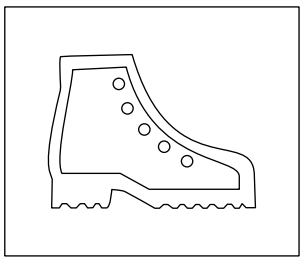
Safety helmet



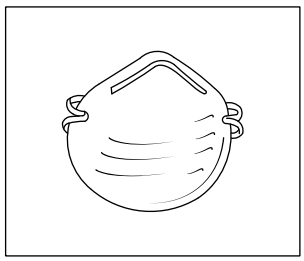
Safety glasses



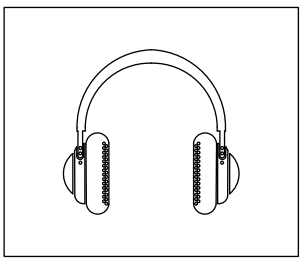
Safety clothes



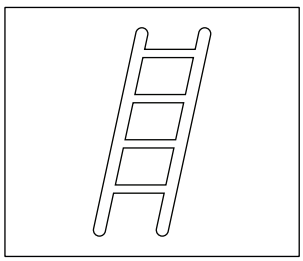
Safety shoes



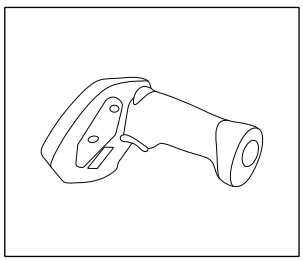
Dust mask



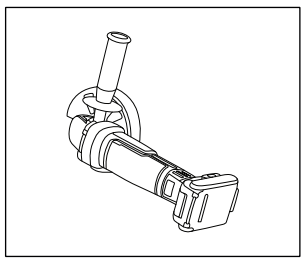
Hearing protection



Scaffold or stable, safe ladder



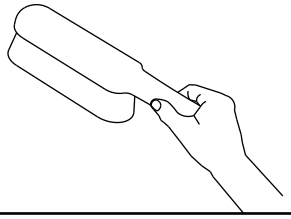
Stud Finder



Grinding Machine

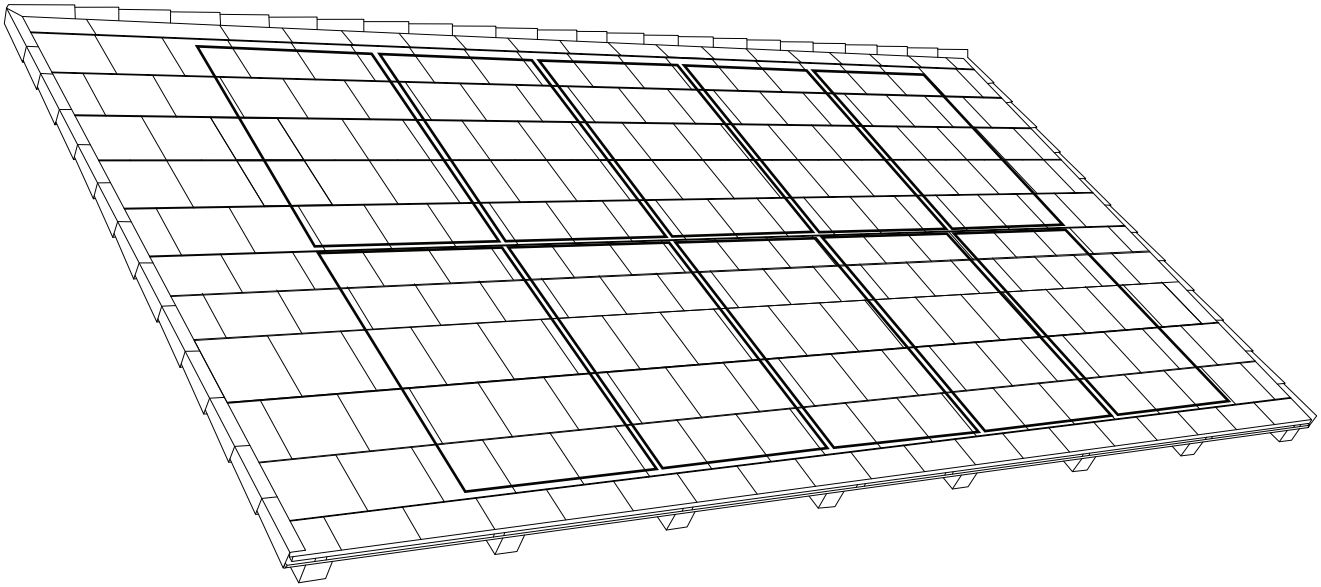
Clean the roof:

Clean the tiles on the sloping roof with a brush. Remove algae, moss, etc. in order to reduce unevenness during the installation to a minimum!



INSTRUCTIONS

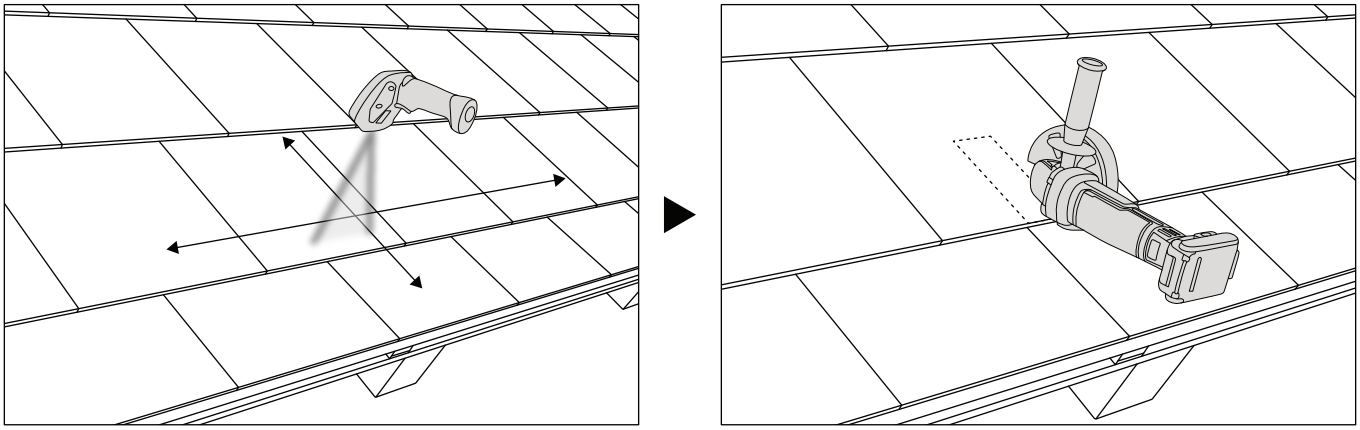
Step 1 **Measure and mark out the panel layout.**

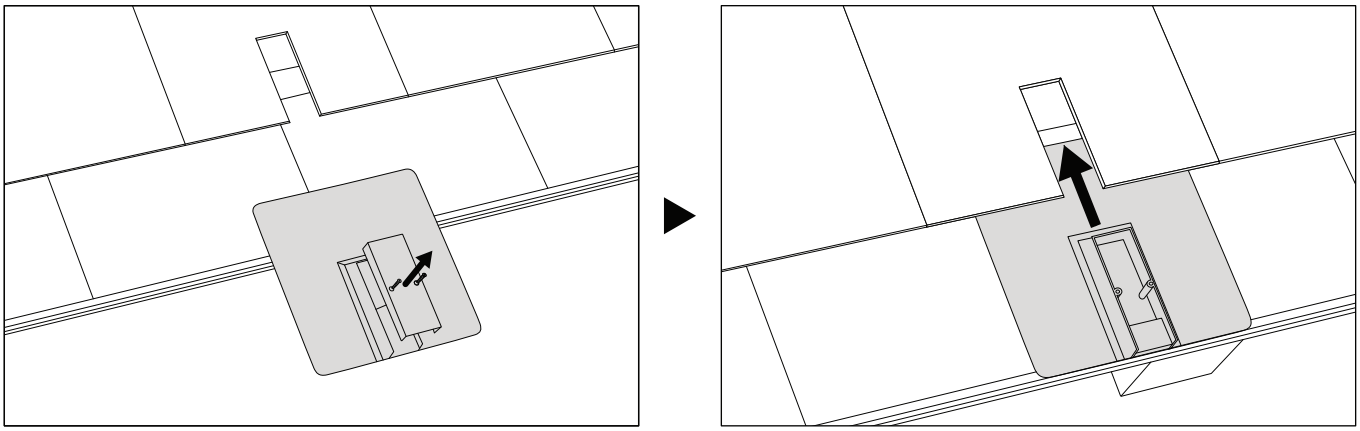


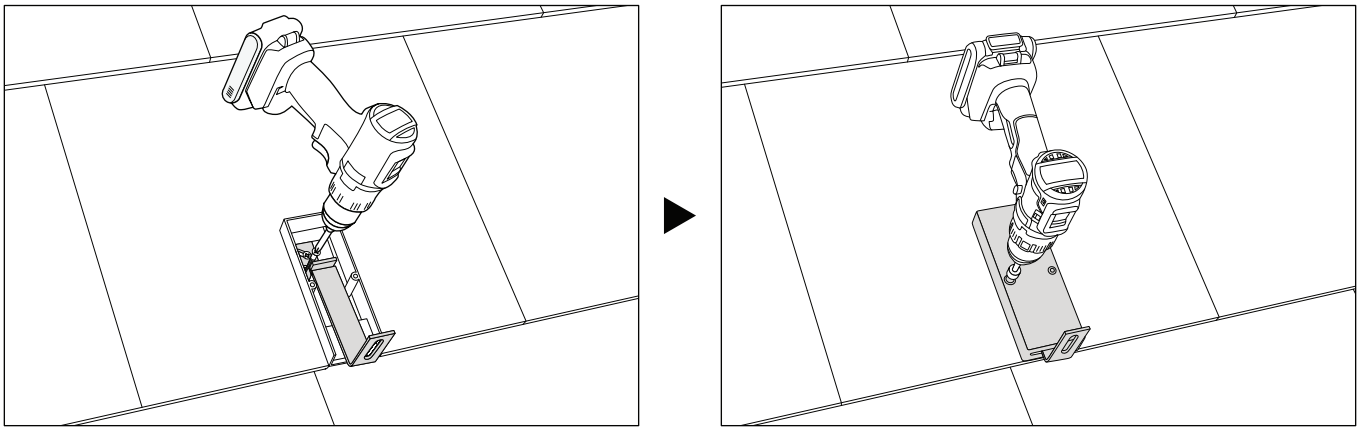
The PV modules must not overhang the edge of the roof at any point, must not extend within 500mm of the roof edge/perimeter, and must not be fixed at the ridge cap/tile (which may often be cemented in place) or within 200mm of the top of the ridge. Each PV module requires a minimum of two mounting brackets and at least four clamping points. Middle clamps count as two clamping points for each of the adjacent PV modules, meaning a middle clamp used between two PV modules satisfies two clamping points for both modules. Additionally, when screws are used to fix the PV modules to the roof timber structure, screw holes must be pre-drilled (pilot drilled) to prevent damage or splitting of the timber.

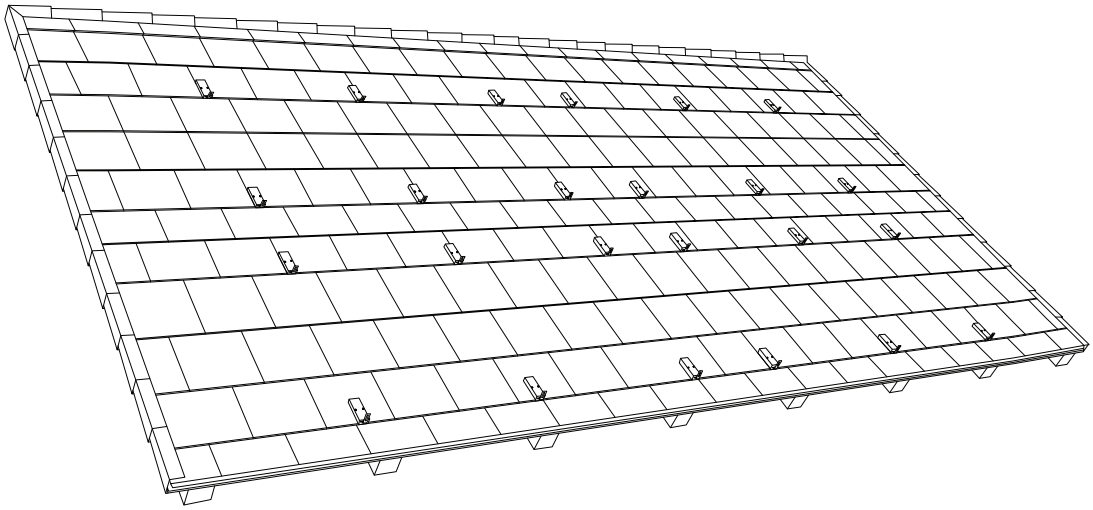
Step 2

Use a stud finder or similar device to locate the truss.
Cut away an appropriately sized section of the slate to accommodate the flashing and the hook.
Slide the flashing up under the slate and secure the hook to the truss with two wooden screws.
Attach the lid of the flashing with two screws. The screws I will be drilled into the horizontal batten to hold everything in place.

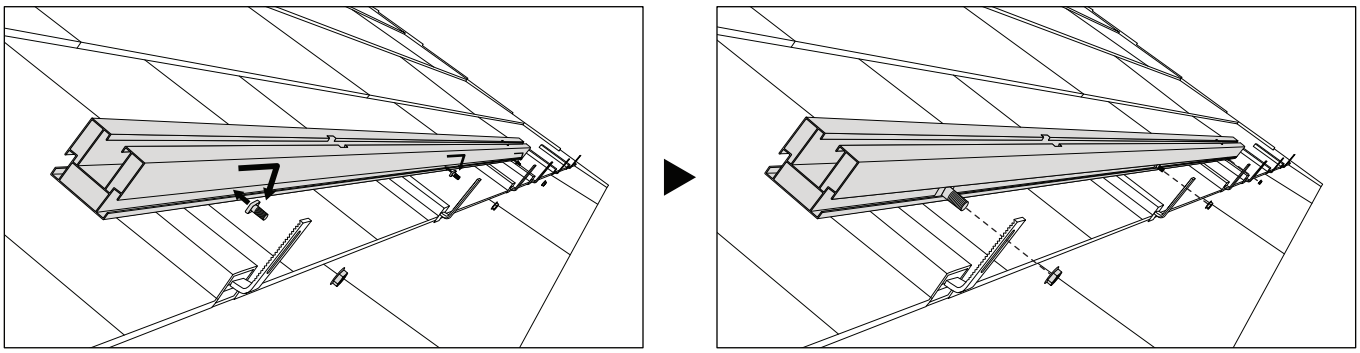


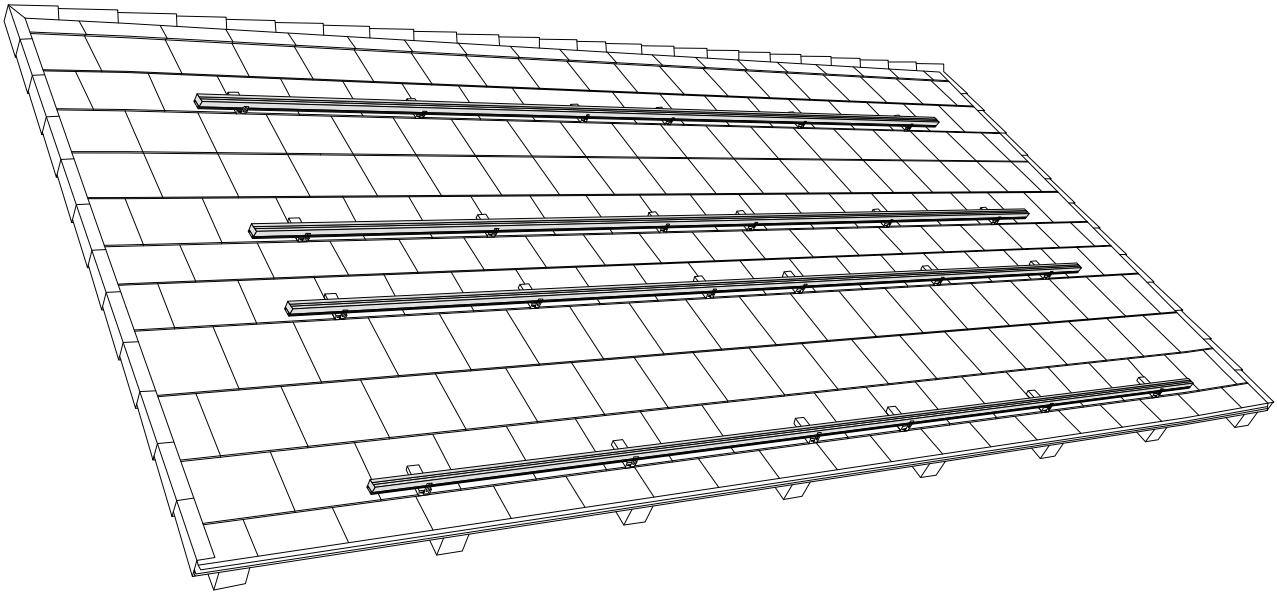




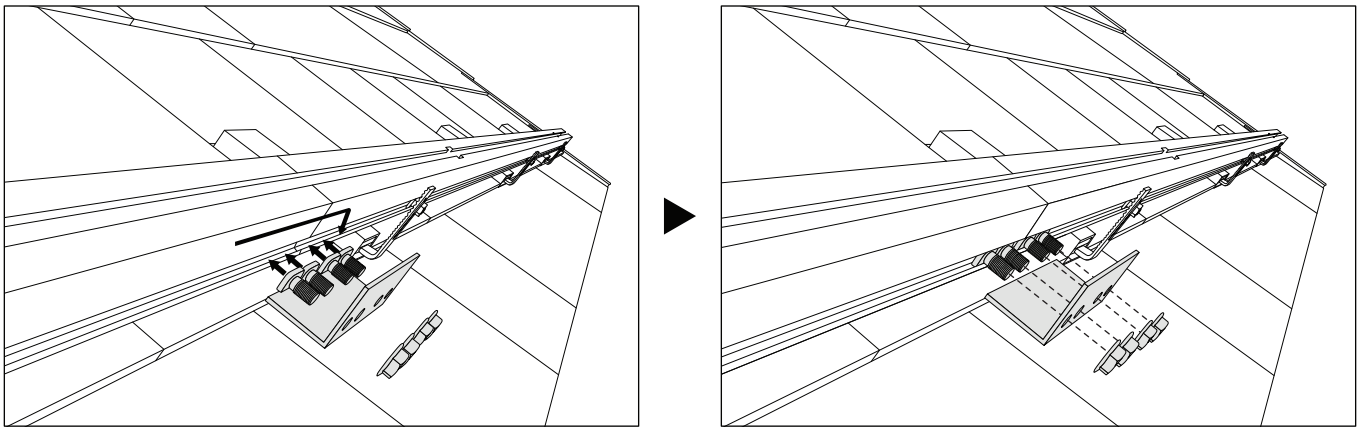


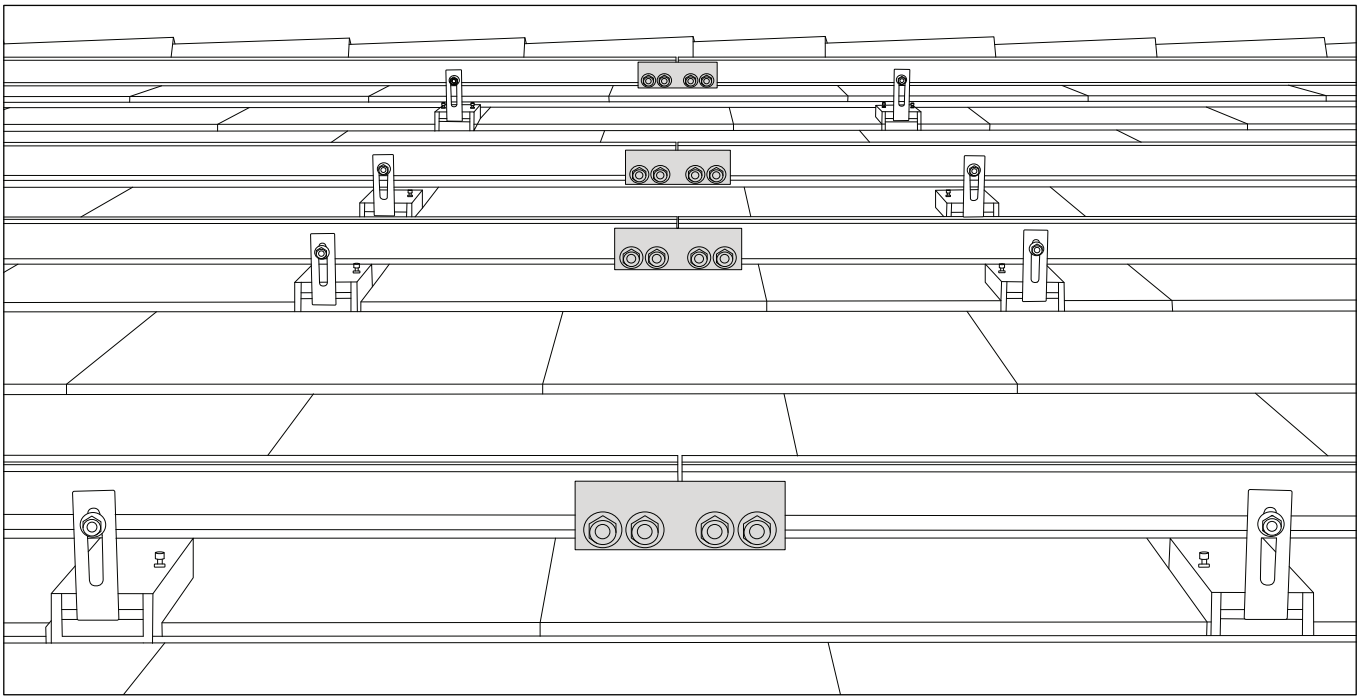
Step 3 **Attach the rail to the roof hook by inserting the T-bolt into the rail and tighten it.**



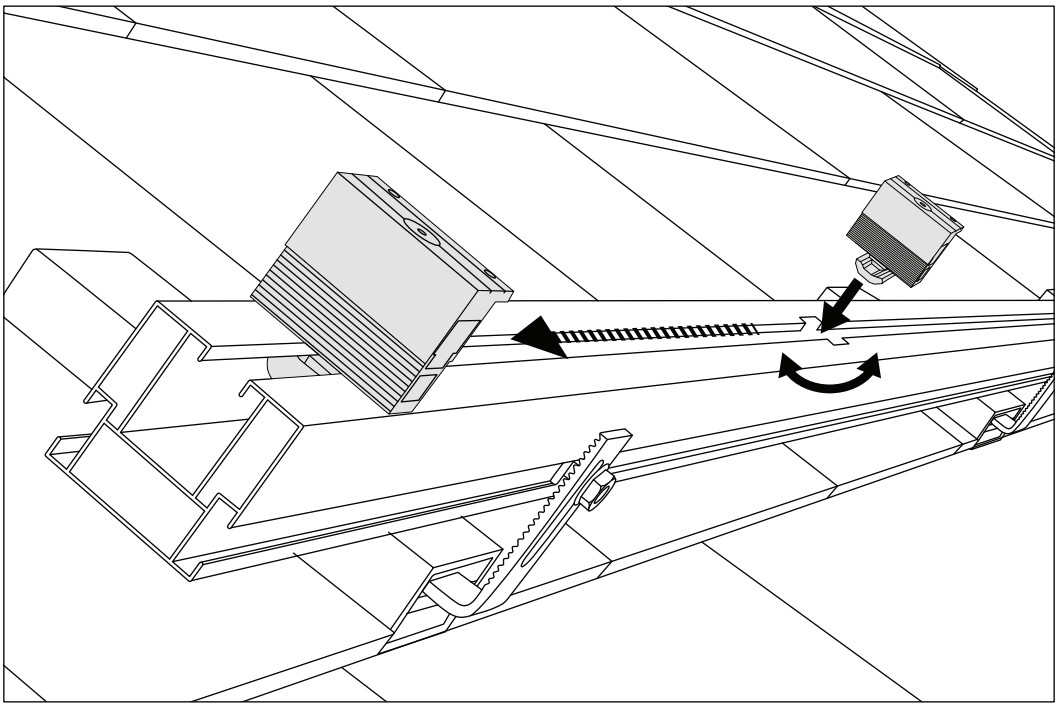


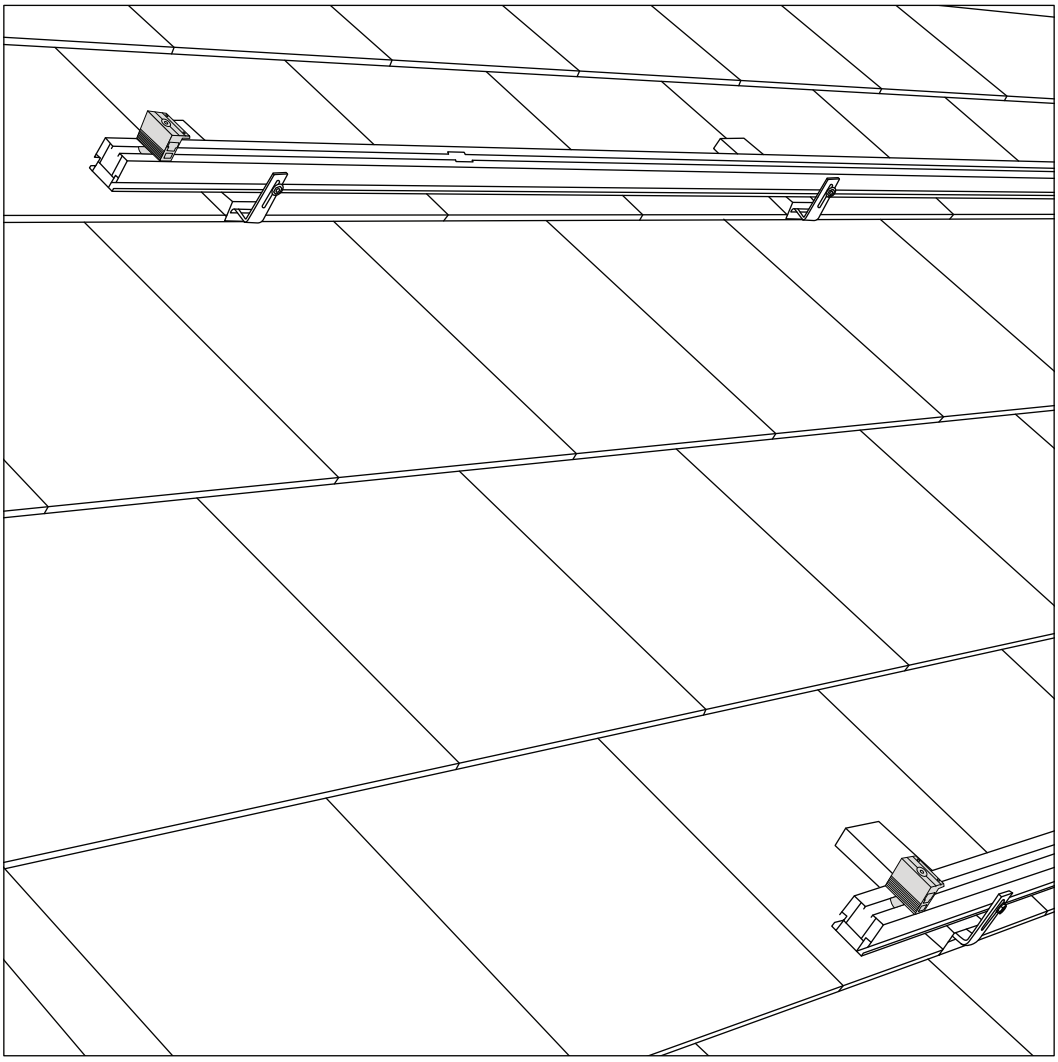
Step 4 **Join all rails to each other with the rail joiner by tightening the T-bolts to the rail.**



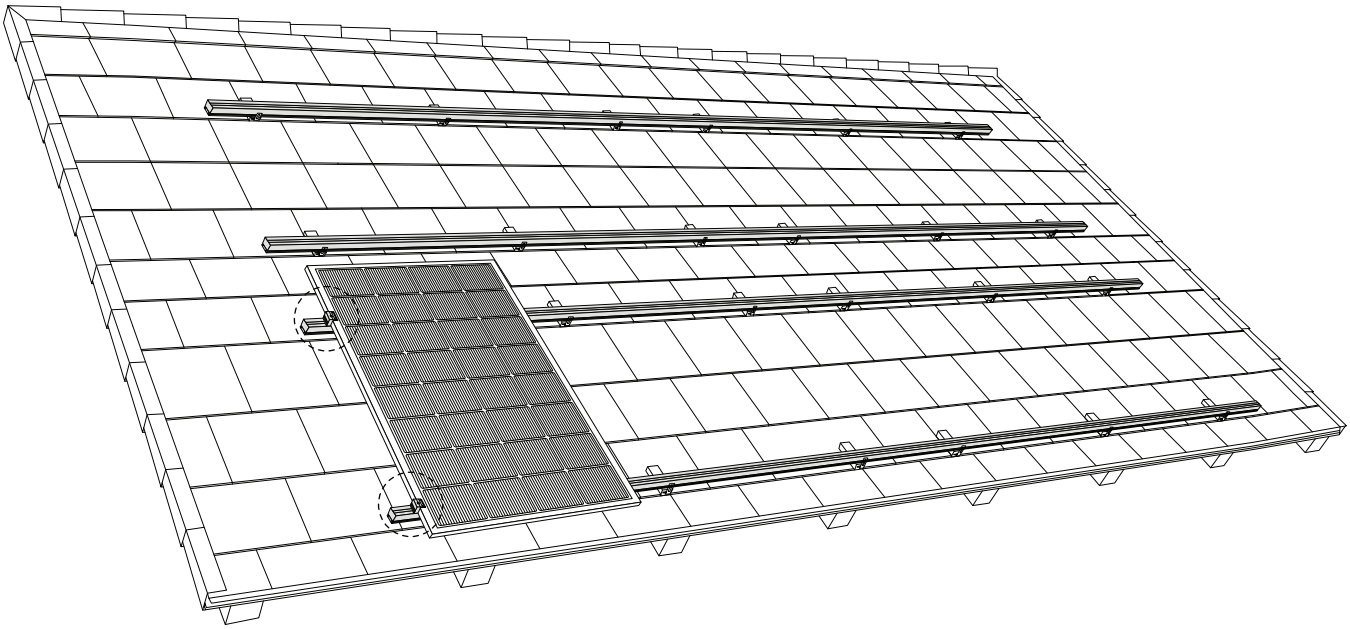


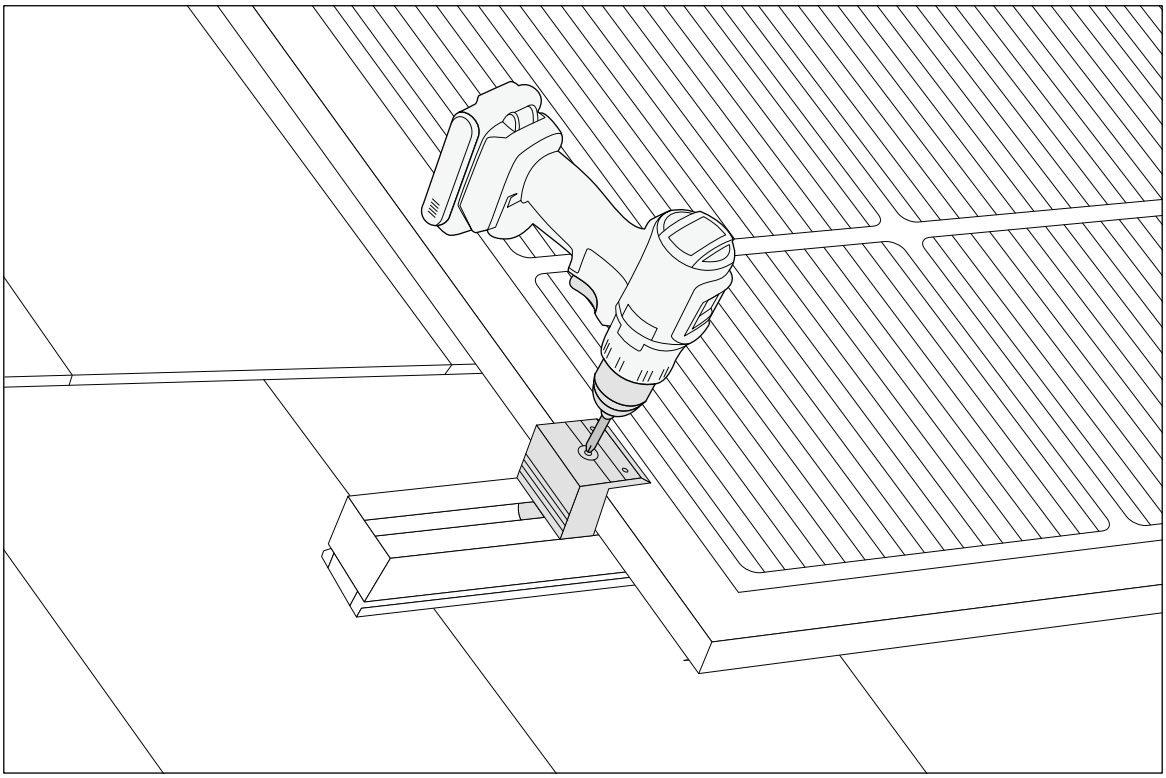
Step 5 **Insert the end clamp into the rail, tilt the clamp 45 degrees, push and slide.**



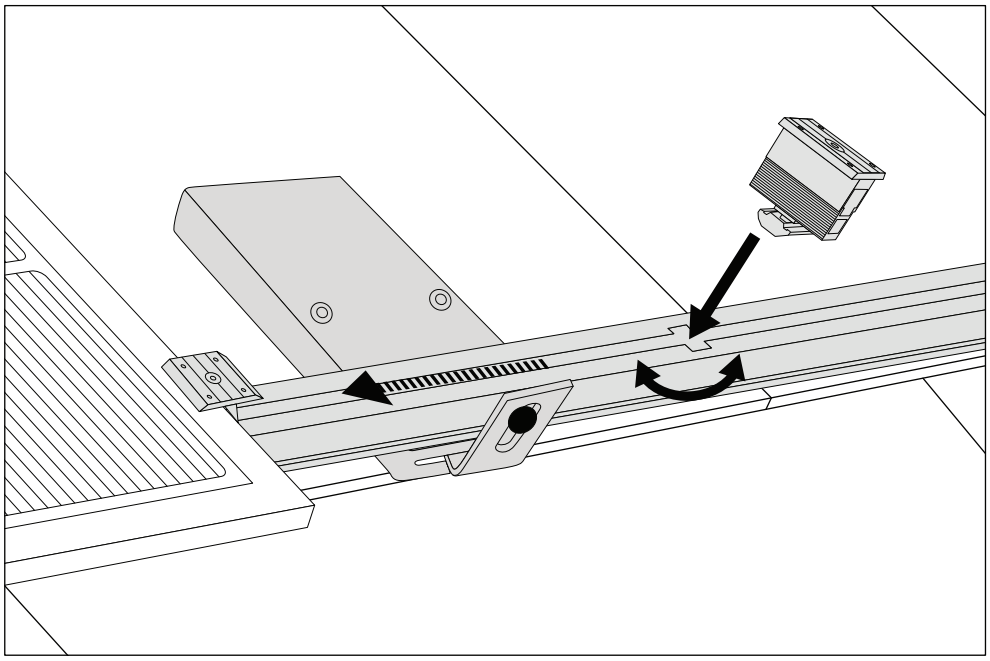


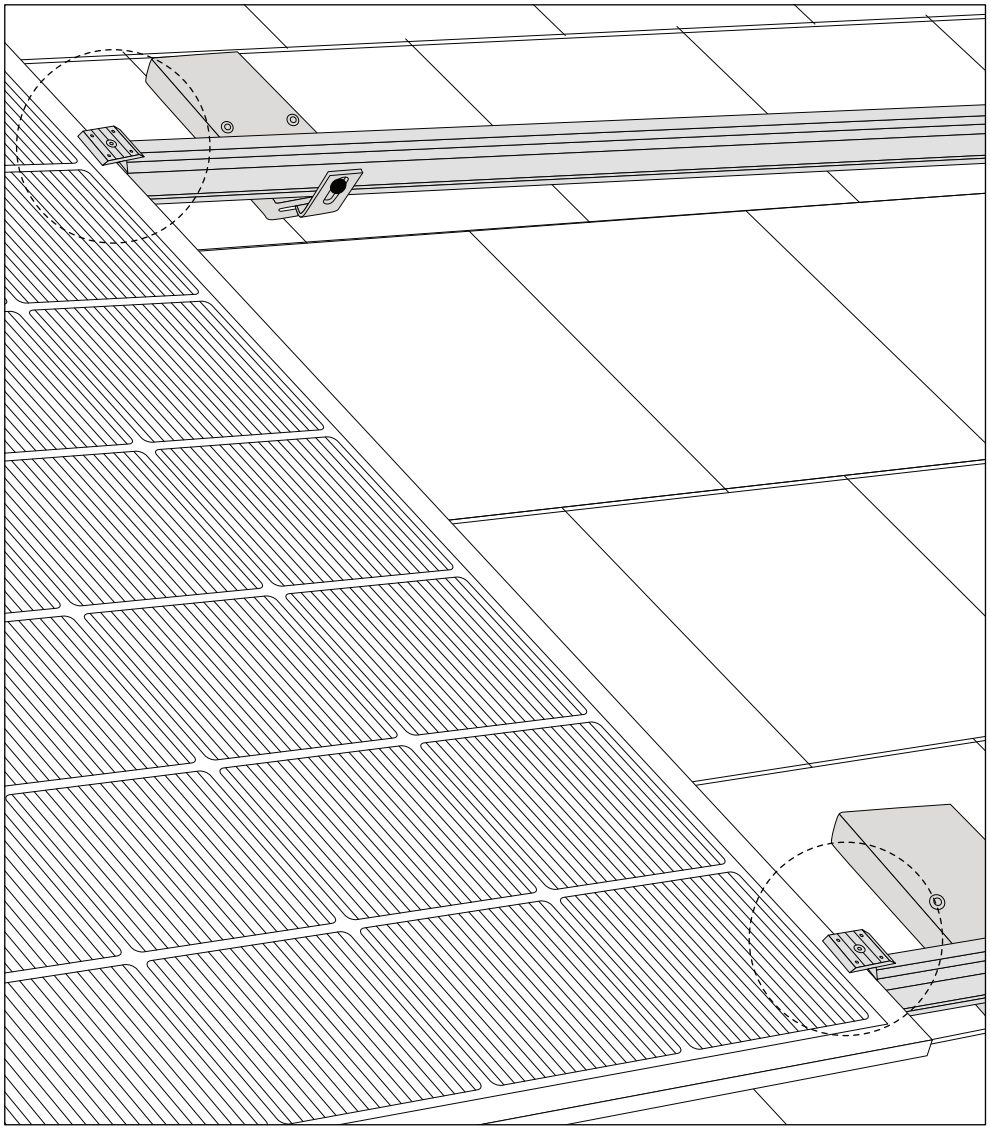
Step 6 **Lay your first panel and tighten the end clamps to secure the panel.**



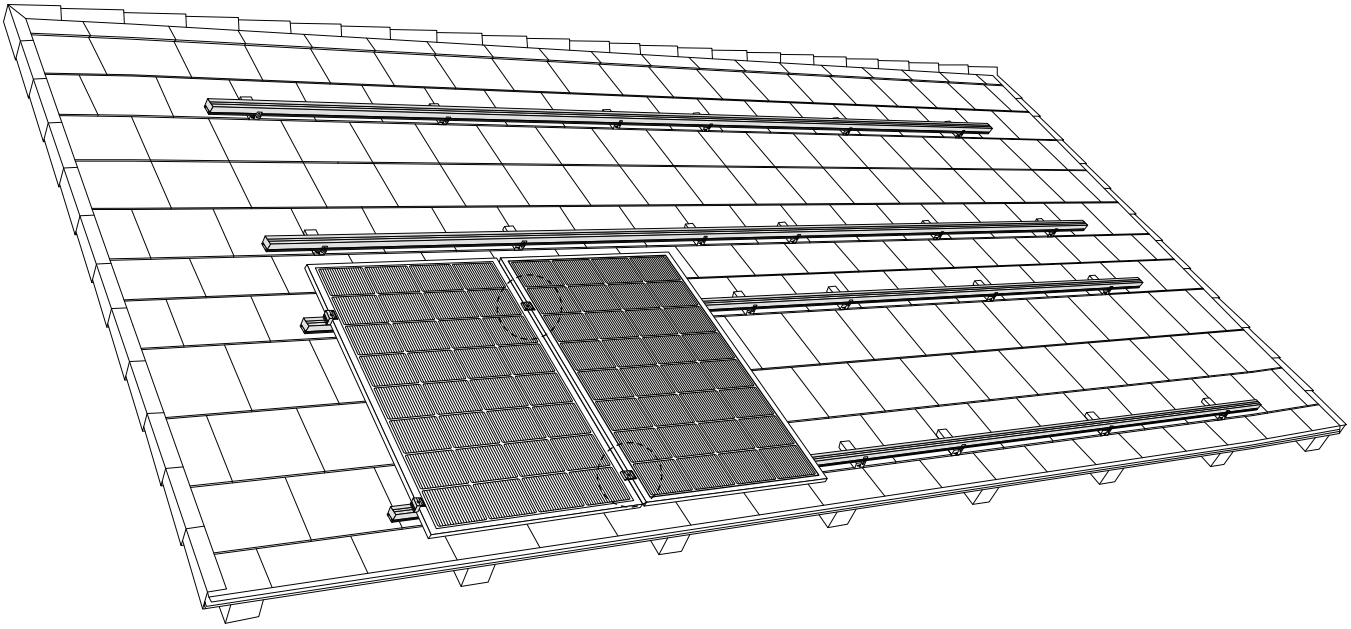


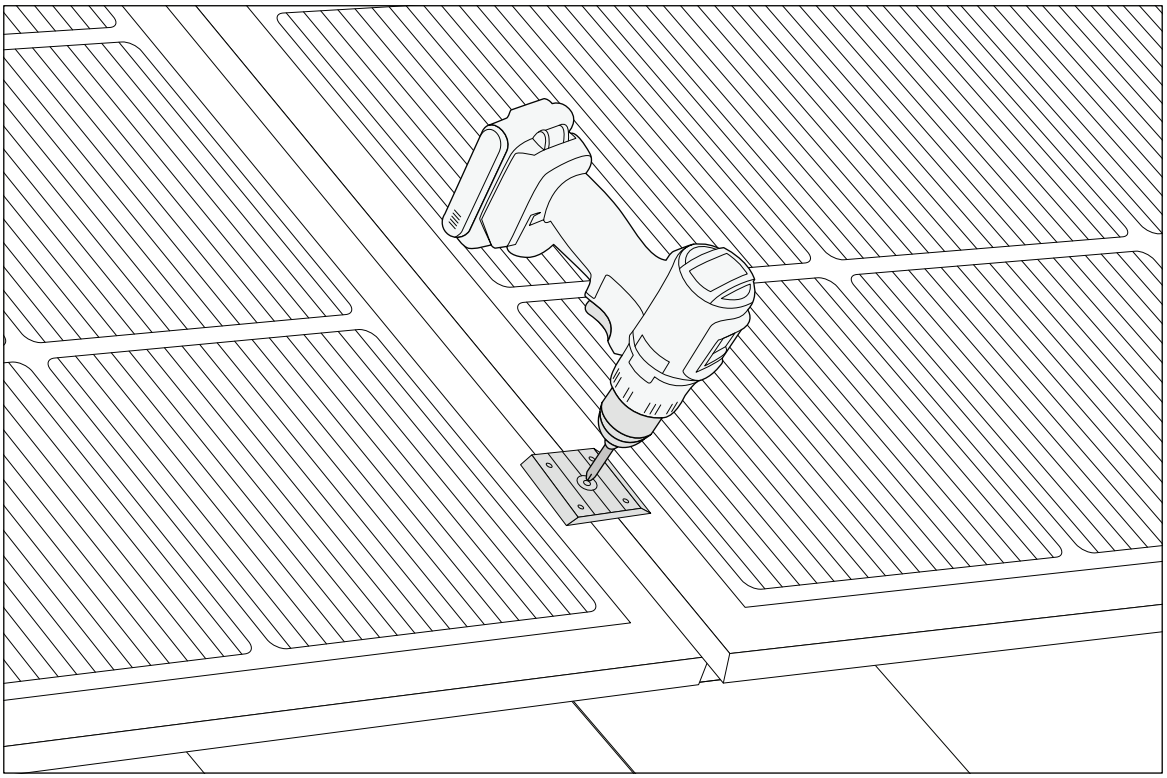
Step 7 **Insert the mid clamp into the rail, tilt the clamp 45 degrees, push and slide.**





Step 8 **Lay your next panel and tighten the mid clamp.**





Step 9 **Attach the end cap to all rail ends to finish the installation.**

