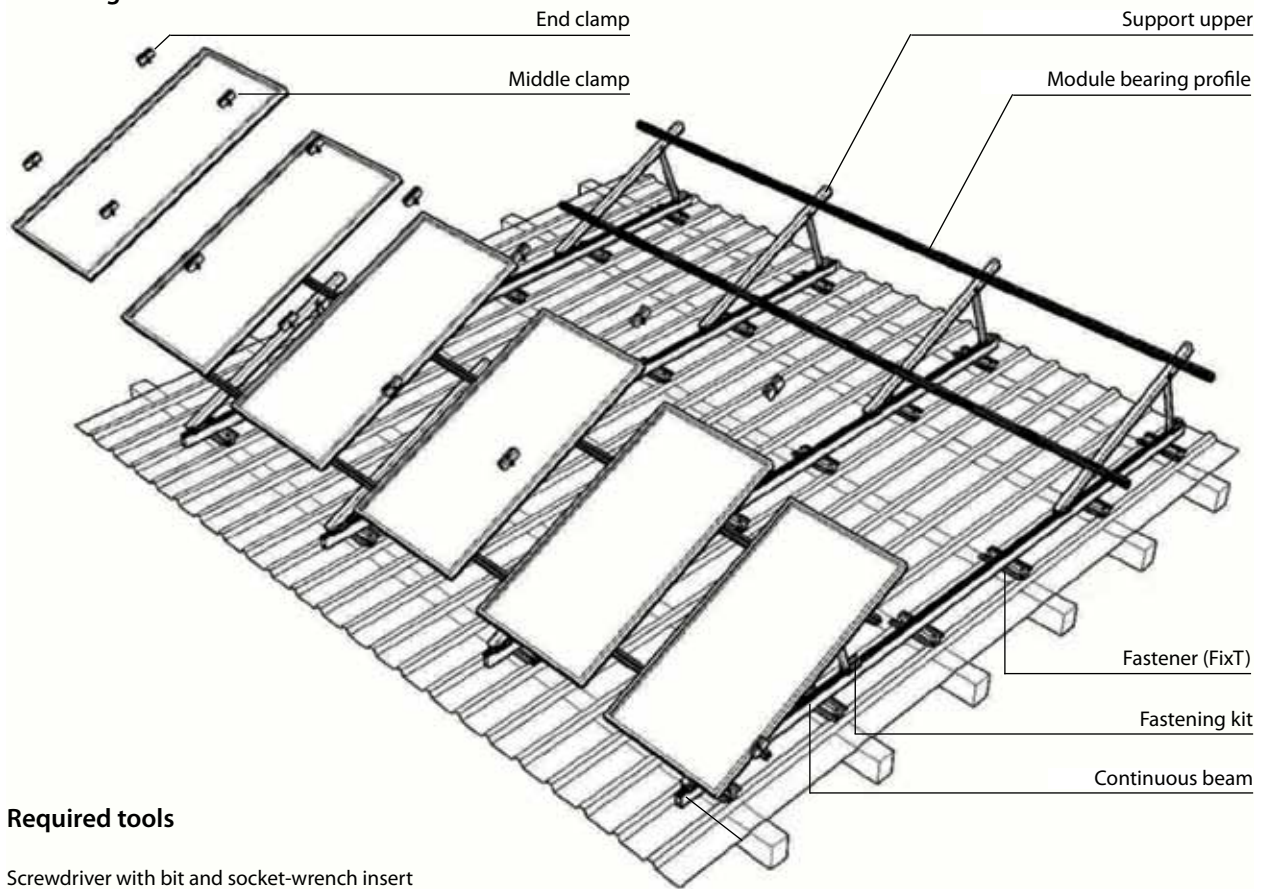


# CompactVario with FixT

## Mounting Instructions



### Required tools

Screwdriver with bit and socket-wrench insert  
 Bit hex socket SW6  
 Bit T40  
 Socket wrench SW15, SW17  
 Flat wrench / spanner SW15



The Schletter-tool kit comprises tools required for all standard systems.

### Additional documentation required

System structural analysis  
 Calculation documentation with schematic diagram, Parts list and plant-related statics  
 Mounting instructions FixT

### Safety instructions



Planning, mounting and start-up of the solar plant may only be performed by qualified personnel. Poor quality execution can result in damage to the plant and to the building and can present a risk to people.



Risk of falling! There is a risk of falling when working on the roof as well as when ascending and descending the building. Accident prevention regulations must be observed and appropriate safety equipment must be in place.



Risk of injury! Objects falling from the roof can cause injury to people. The danger area around the installation site must be secured and people present in the area warned of the risks.



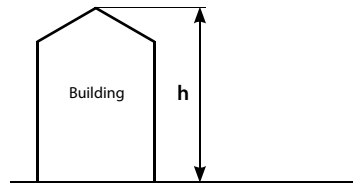
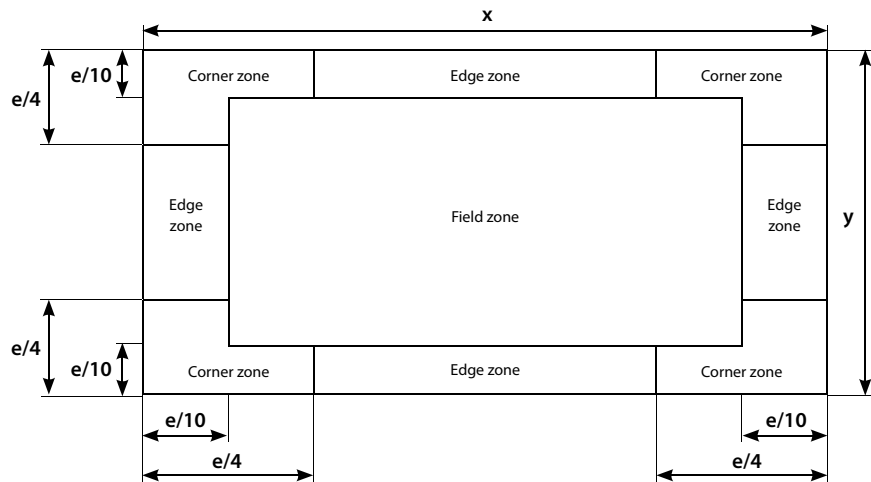
Risk of breakage! PV modules can be damaged if stepped upon.



Risk of electric shock! The mounting and maintenance of the PV modules must be carried out exclusively by qualified specialists. Please observe the all safety regulations issued by the manufacturer!

**1 Define area of installation**

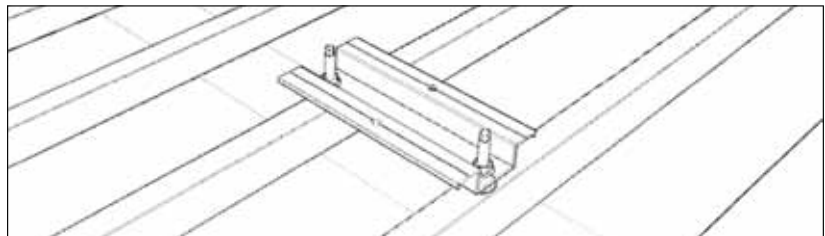
- Concentrate the number of fasteners in edge and corner zones.
- Please observe further recommendations from the structural analysis.



Calculation formula:  
 $e = \min(x / y \text{ or } 2 \cdot h)$

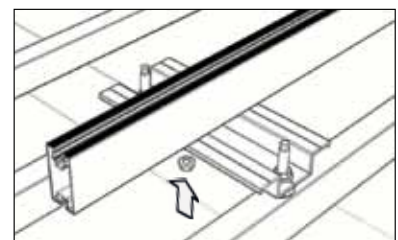
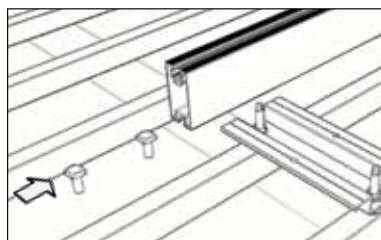
**2 Mount fasteners**

- Information relating to mounting of fasteners can be taken from the corresponding mounting instructions.



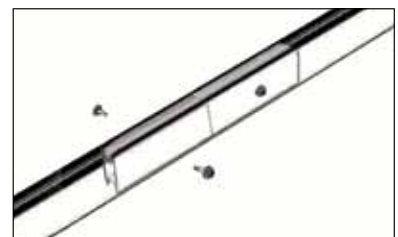
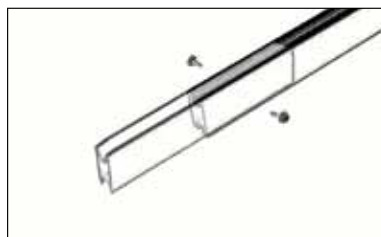
**3 Mount continuous beams**

- Feed square-head screws M10x25 (2x per fastener) into the lower groove of the continuous beam and through the upper holes of the fasteners.
- Secure with flange nuts M10.



**4 Extending continuous beams**

- Continuous beams can be extended if required.
- Insert splice into two profiles and secure at both ends, in each case secure with two self-drilling screws.



**5 Assemble fastening kits**

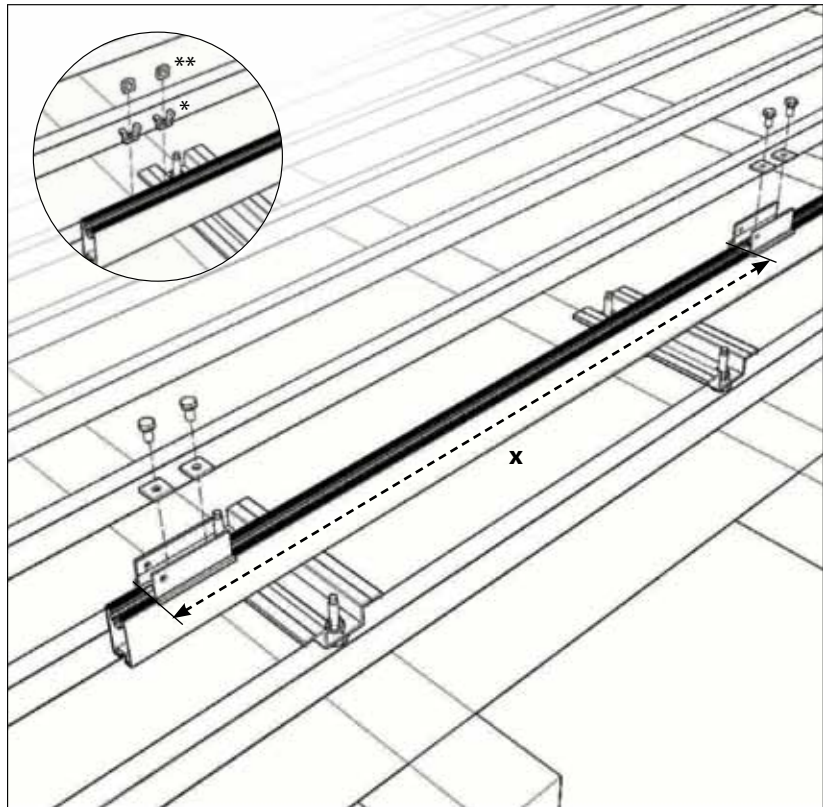
- Select dimension **X** to correspond with the size of supports - see table below
- Feed green KlickIn click components into the groove at the required positions.
- Feed square nuts **\*\*** vertically into the click components and twist through 90° so that the rounded edge is underneath.
- Position fasteners and secure each with 2 hexagon head screws and flat washers.

**⚠** Please observe the shading distances between module rows. These can be taken from the calculation documentation (or, for example, from our shade calculator, available on our website).

**Dimension x for support upper part:**

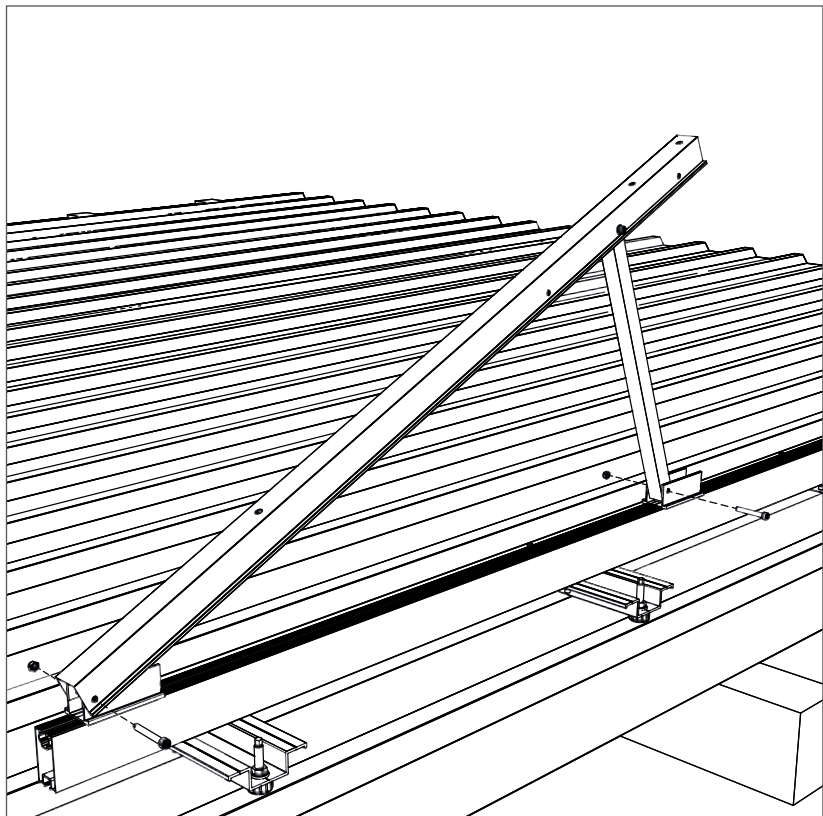
Light 1.0 m	= 811 mm
Light 1.3 m	= 965 mm
Light 1.5 m	= 1360 mm
Profi 1.5 m	= 1360 mm

Dimensions for custom lengths are taken from the calculation documentation.




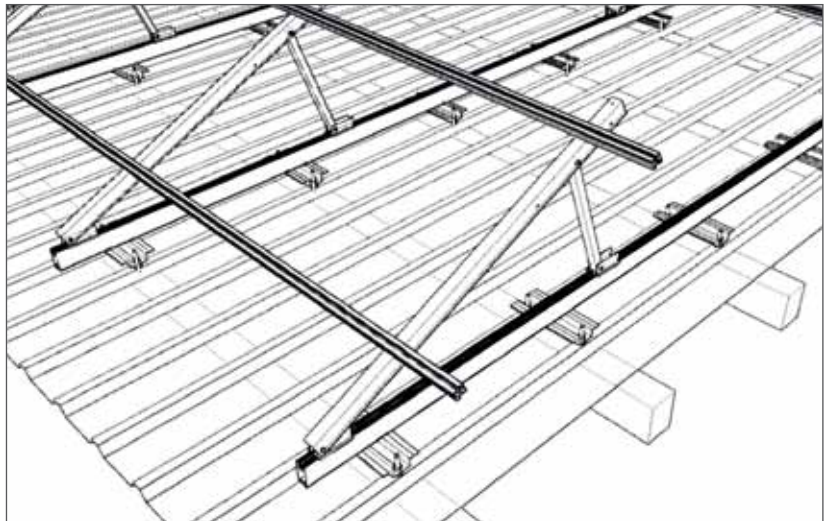
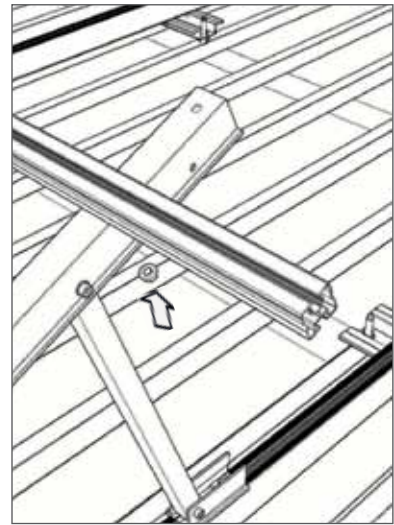
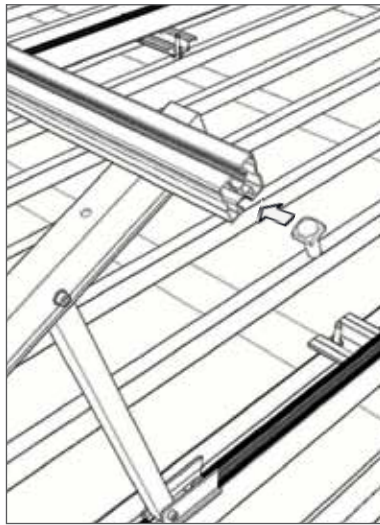
**6 Mount the inclined bearing rail**

- Position the inclined bearing rail upon the fastening kit.
- Bolt together with M8 screws and washers.




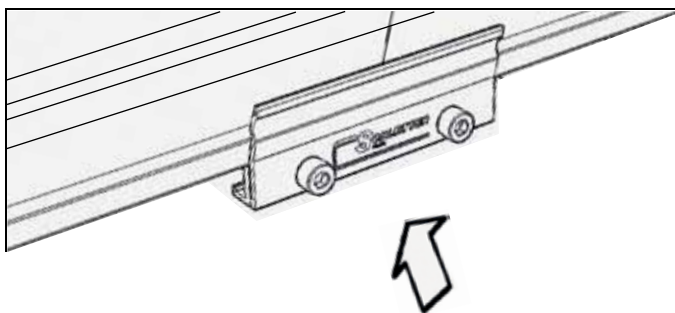
- 7 **Mount module-bearing profile**
  - Feed square-head screws M10x25 into lower groove of the module bearing profile and into holes of the supports.
  - Secure with flange nuts M10.

 The upper hole is used only in a linear arrangement. Please observe the data in the calculation documentation.



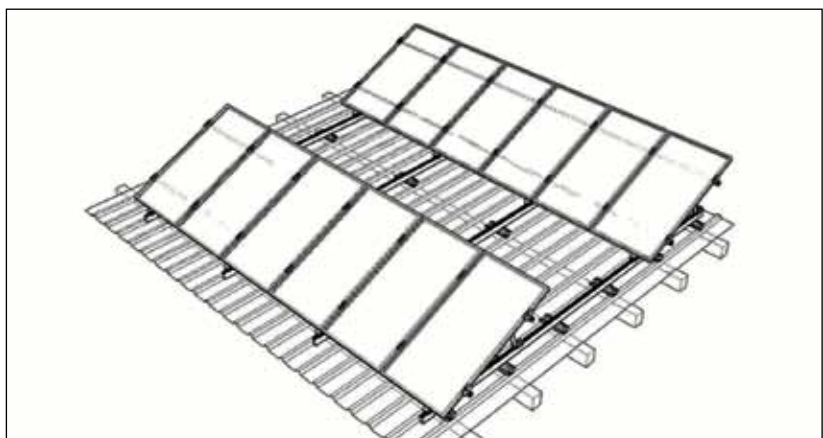
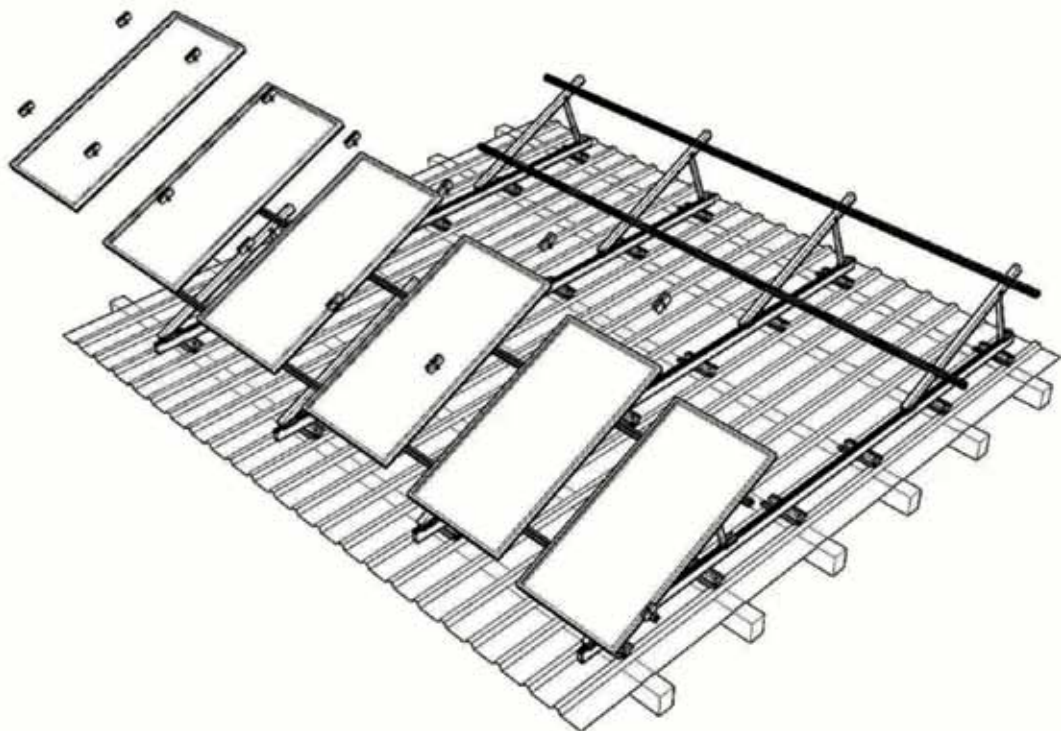
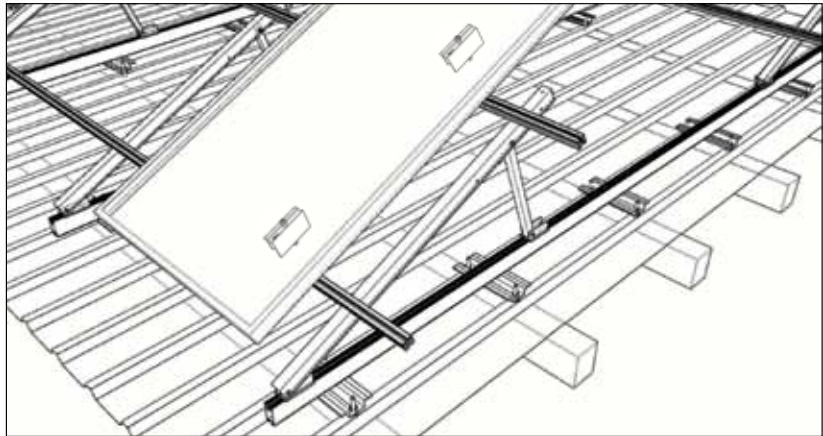
- 8 **Extend module-bearing profile**
  - Position next profile.
  - Mount splice E from below.
  - Tighten the pre-assembled screws.

 Please ensure that sufficient space is left at profile joints for the splice.



⑨ Module mounting

- Position first module to the end of the profile
- Fasten module with two end clamps - in our example: Click in the Rapid end clamps and tighten screws (6-Lobe T40)
- Position further modules and secure each by placing two middle clamps respectively between two modules.
- Secure last module of a row with two end clamps.



For further information relating to our systems, please refer to our website: [www.schletter.eu](http://www.schletter.eu) under Downloads in the Solar section.