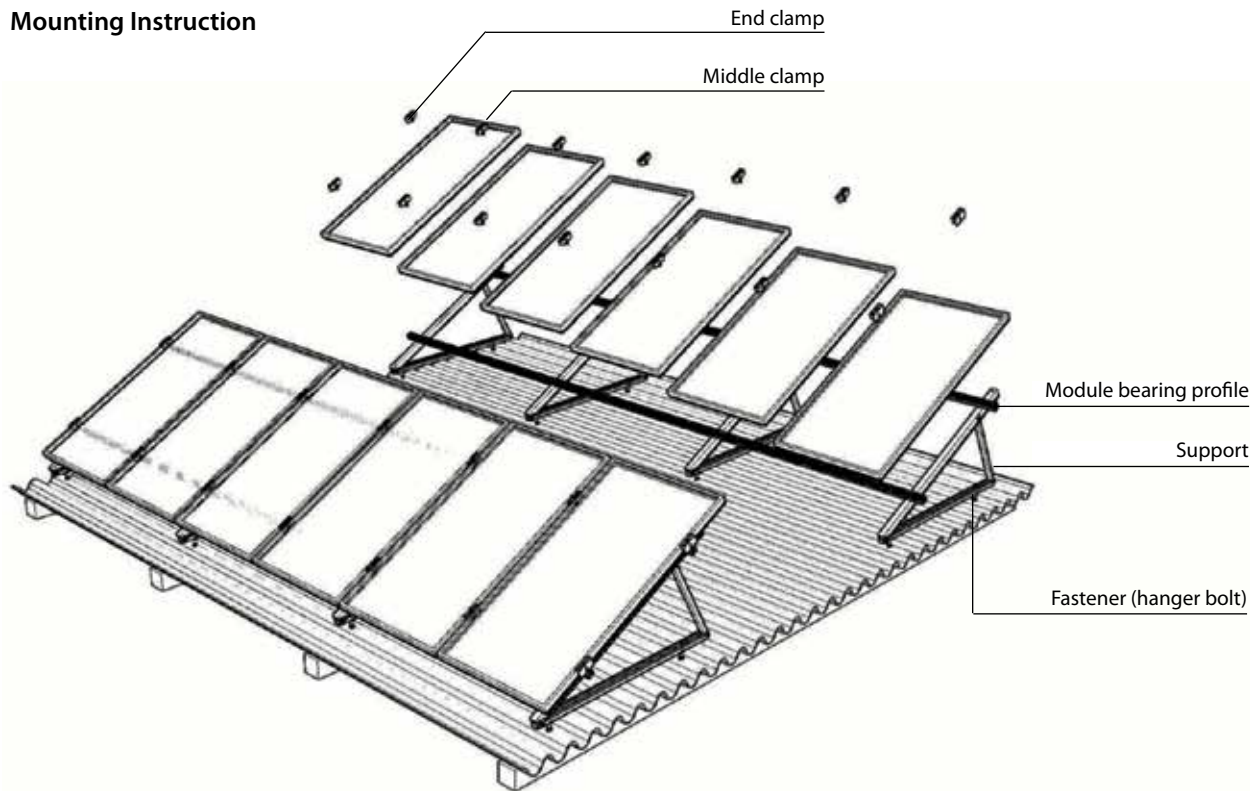


CompactDirect

Mounting Instruction



Required tools

Screwdriver with bit and socket-wrench insert
 Bit hex socket SW6
 Bit TX T40
 Socket wrench SW15, SW17
 Combination wrench SW15



The Schletter-tool kit includes 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 for the fastener and / or the general mounting instruction.
 Mounting and Project Planning

Tightening torque

Bolted connection M8 :	15 Nm
Bolted connection M10:	40 Nm
Bolted connection M12:	70 Nm

Safety instructions



Planning, mounting and start-up of the solar plant must be performed by qualified personnel only. 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 used.



Risk of injury! Objects falling from the roof can cause injury to people. The danger area around the installation site must be sealed off and people close to this area must be warned.

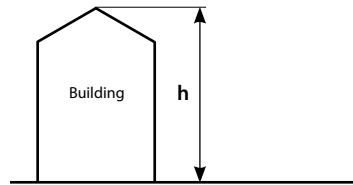
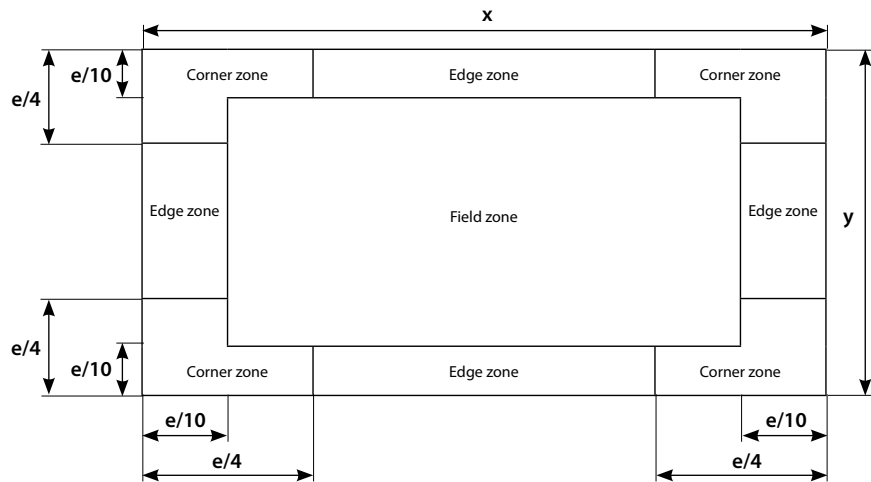


Risk of breakage! Never step on PV modules; these can be damaged under the weight.



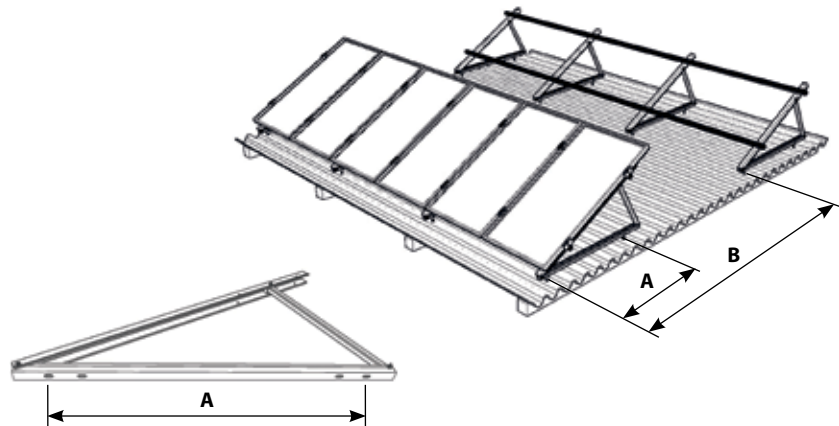
Risk of electric shock! The mounting and maintenance of the PV modules must be carried out by qualified personnel only. Please observe the all safety regulations issued by the manufacturer!

- 1 Define the area of installation**
- Concentrate the number of fasteners in edge and corner zones.
 - Please observe further recommendations from the structural analysis.

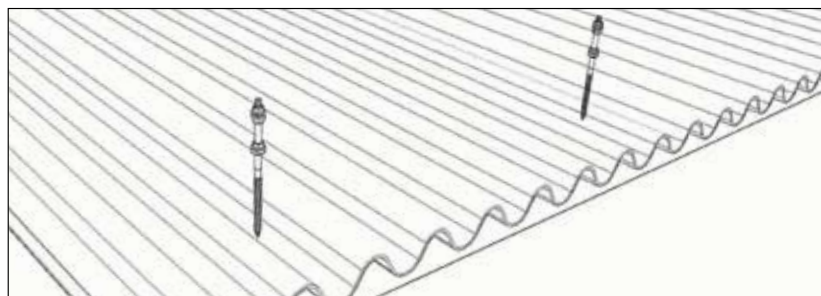


Calculation formula:
 $e = \min(x / y \text{ or } 2 \cdot h)$

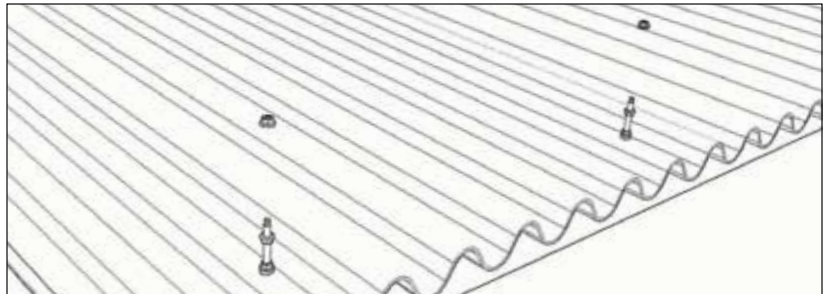
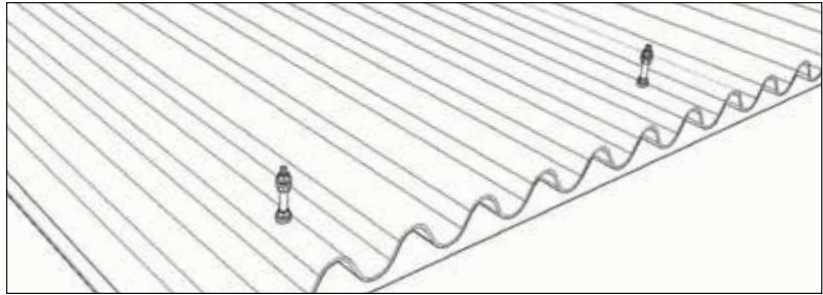
- 2 Position fasteners**
- Note measurement **A**.
 - Please observe the shading distances **B** between module rows. These can be taken from the calculation documentation (or, for example, from our shade calculator, available on our website).




- 3 Mount fasteners**
- Information relating to mounting of fasteners can be taken from the type-specific or from the generic mounting instructions. Mounting and Project Planning



- 4 Prepare bolt joints**
(if using hanger bolts as fasteners)
- Loosen upper nut and regulate lower nut to align height of fastener.



- 5 Secure support base**
- Fold out support and position it on the fastener.
 - Secure support base to the fastener using a serrated nut M10 and washer M10.

 Washers are not required with hanger bolts of size M12.

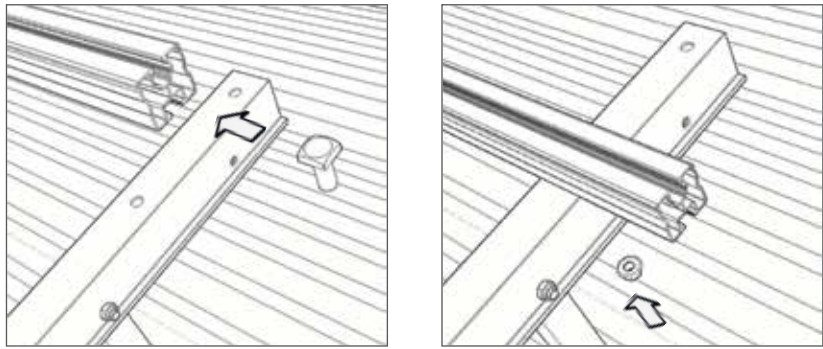


- 6 Assemble the supports**
- Connect support strut to support base using bolt M8 with nut M8.
 - Tighten remaining bolts on the support.



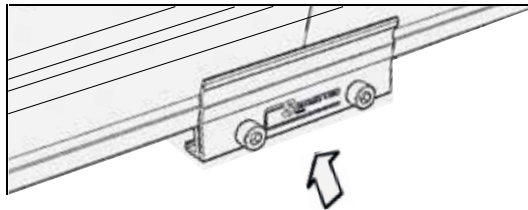
- 7 Mount module-bearing profile**
- Feed square-head screws M10x25 into lower groove of the module bearing profile and into holes of the supports.
 - Secure with flange nuts M10.

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



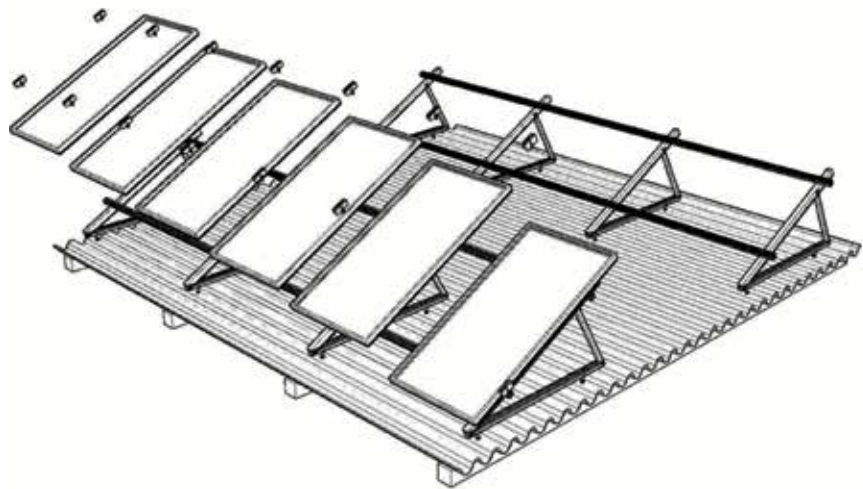
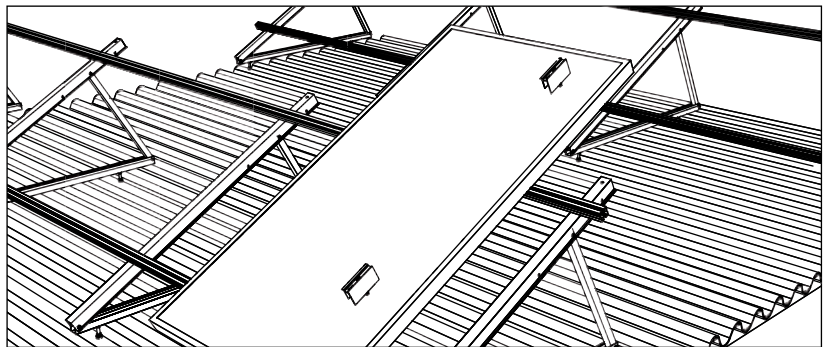
- 8 Extend module-bearing profile**
- Position next profile.
 - Mount connector E from below.
 - Tighten the pre-assembled screws.

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



- 9 Module mounting**
- Position first module to 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.

⚠ Further information relating to mounting of fasteners can be taken from the type-specific mounting instructions.



For further information relating to our systems, please refer to our website: www.schletter.eu under Downloads in the Solar section.