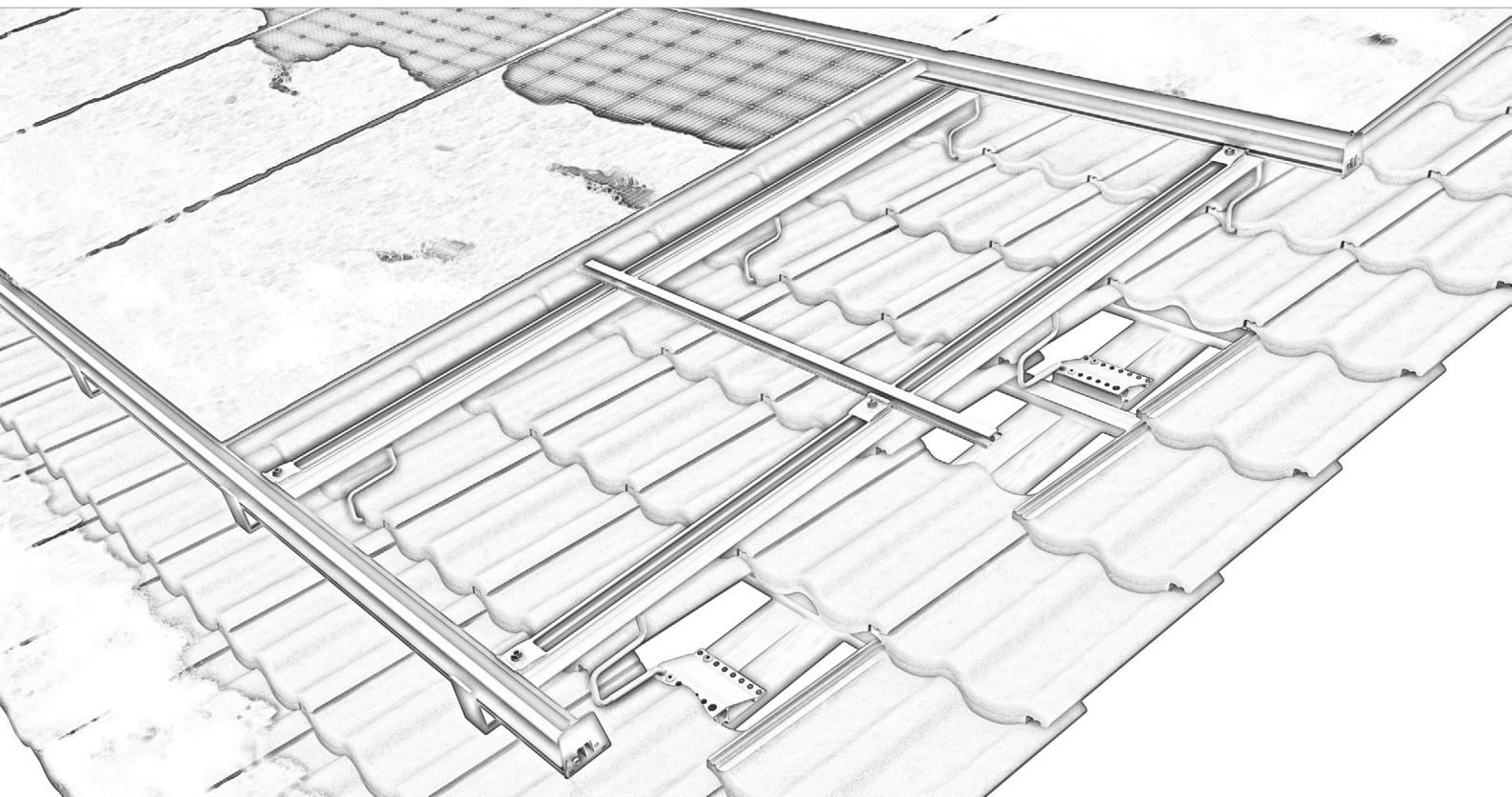
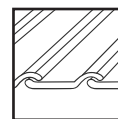


Tile roof | Insertion rail with integrated snow guard



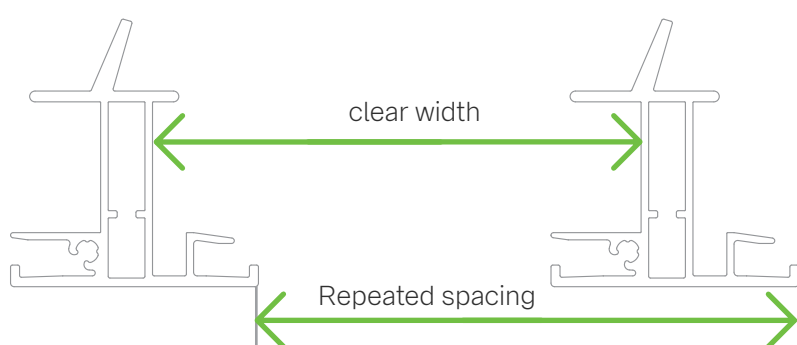
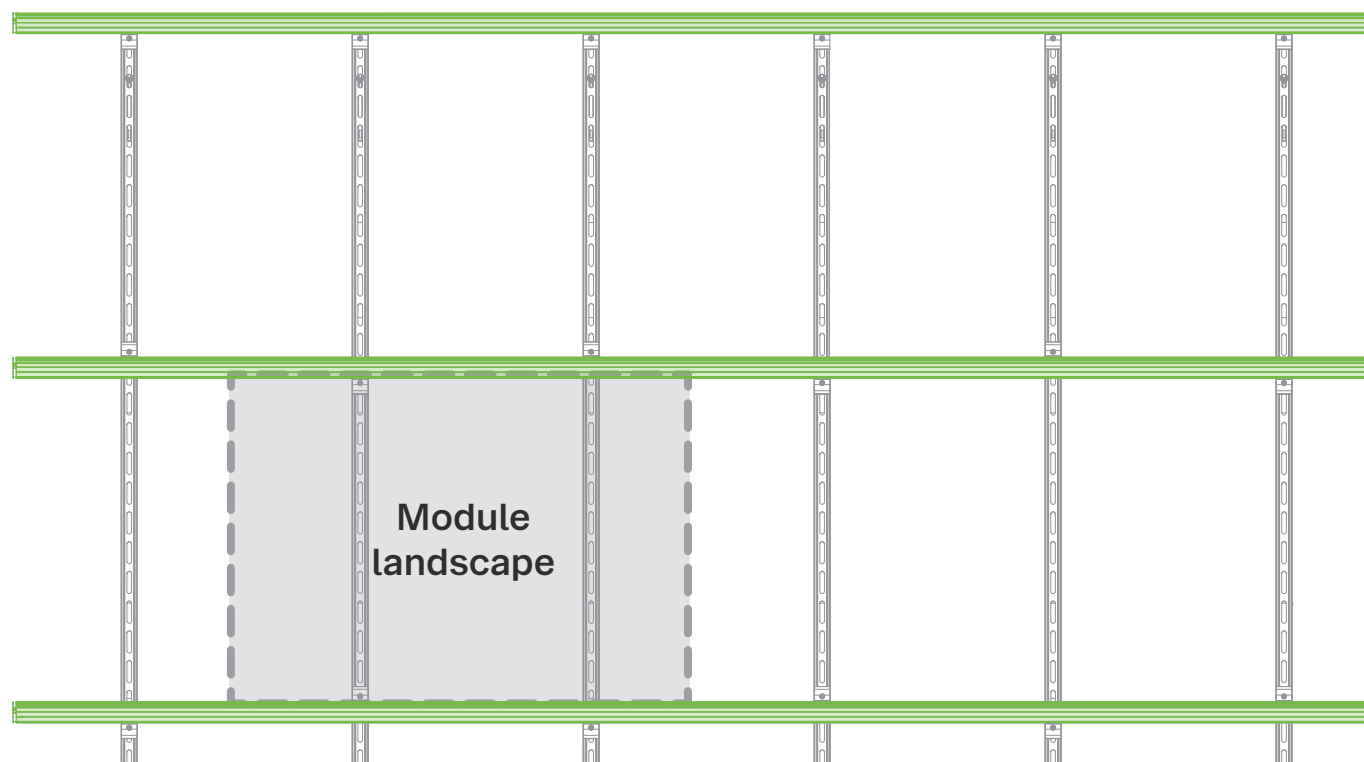
Accompanying document

- Mounting insertion rail snow guard [2–8](#)



Mounting insertion rail snow guard

1 Measuring insertion rail snow guard

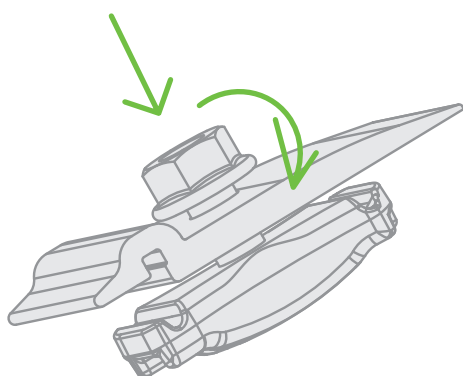
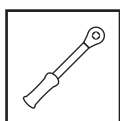
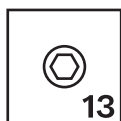


Repeated spacing = Module width W + 22 mm
Clear width of rails = Module width W + 10 mm

- A** The insertion rails with integrated snow guard must be aligned on the drop rails depending on the module alignment. The insertion rail with integrated snow guard must be used in every module row.

For vertical module installation, the module length must be used instead of the module width.

2 Mounting insertion rail snow guard

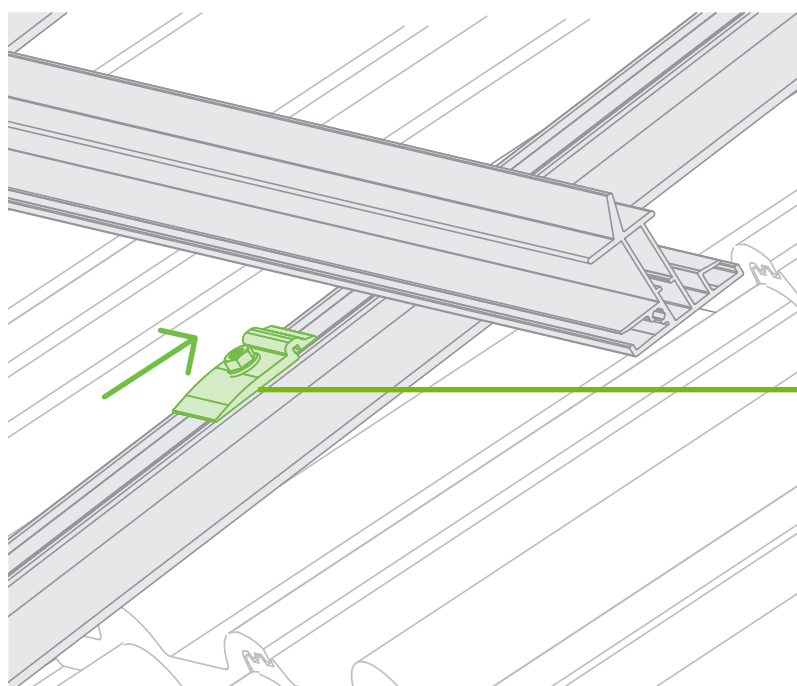


A Fitting the cross rail connector.

Insert the cross rail connector into the rail groove from above. Turn the rail nut by 90° and push it against the insertion rail.

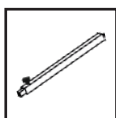
The cross rail connector must engage in the retaining flange of the insertion rail.

Tightening torque 25 Nm.



novo-tip:

The roof connection and the installation of the fall rails can be found in the novotegra „top-fix“ tiled roof installation instructions. novotegra.com/downloads



B Positioning cross-rail connector set IR.

The cross-rail connector set C IR M8 must be fitted on the inside of the top and bottom insertion rail of a module field. On the centre insertion rails, the cross rail connector set C IR must be fitted alternately at the top and bottom in a w-shape.



novo-tip:

The assembling jig must be set to the module dimension + 10 mm. The valid module dimension is the width or length of the module and can be found in the module manufacturer's data sheet.

3 Mounting rail connector insertion rail snow guard



Warning:

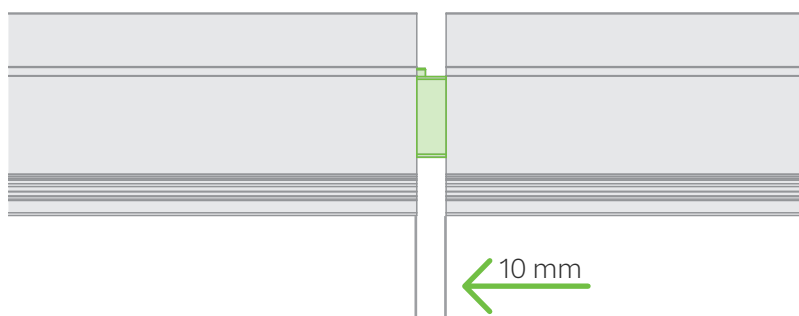
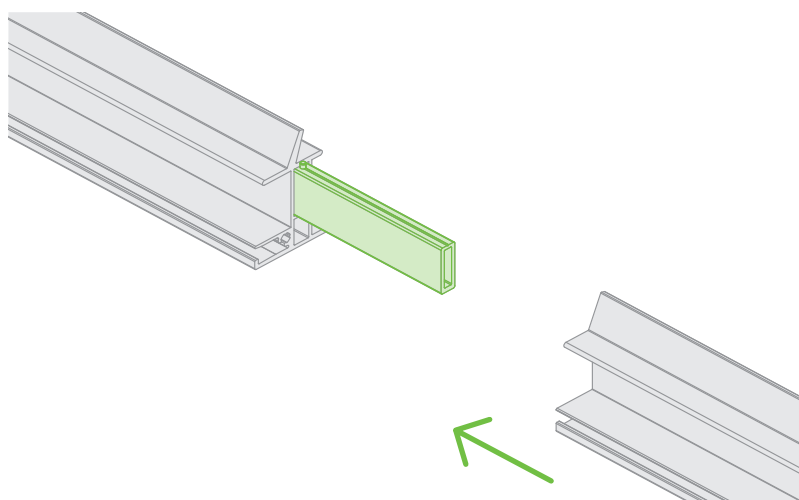
Risk of injury when sawing the rail to size

There is a risk of cutting yourself on the sharp edges of the rail and the saw blade.

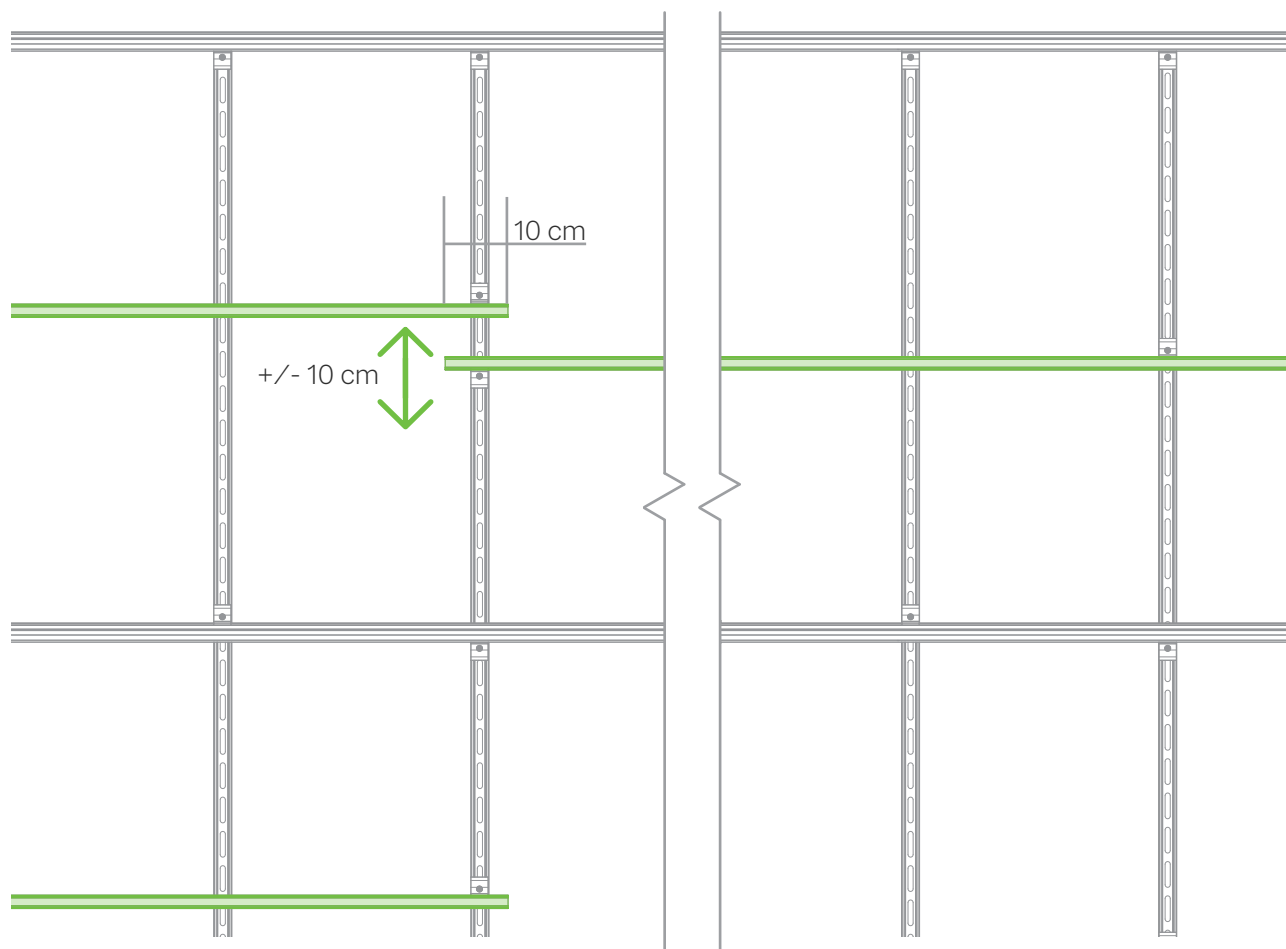
- Comply with UVV
- Wear protective gloves
- Wear safety goggles



The rail connector set IR snow guard must be inserted into the insertion rail snow guard as far as it will go. The second insertion rail must be pushed over the rail connector at a distance of 10 mm.



4 Measuring support rail IR



- A** For high snow loads in combination with modules portrait, an additional support rail IR must be installed in each row of modules.

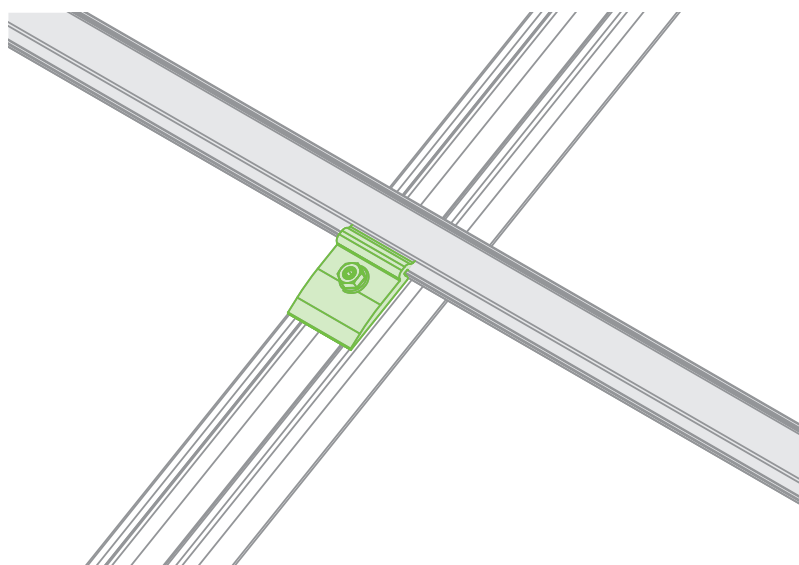
The support rail IR must not touch the junction box of the modules. The support rail can be mounted +/- 10 cm off centre. The support rail must be installed at the rail joint with a 10 cm overlap.

The support rails must start and end flush with the insertion rails at the edge of the system.



- B** Position the cross-rail connector set IR.

The cross-rail connector set IR must be fitted alternately at the top and bottom in a w-shape. At least three cross-rail connector sets IR must be installed for a rail length of 5.40 m.

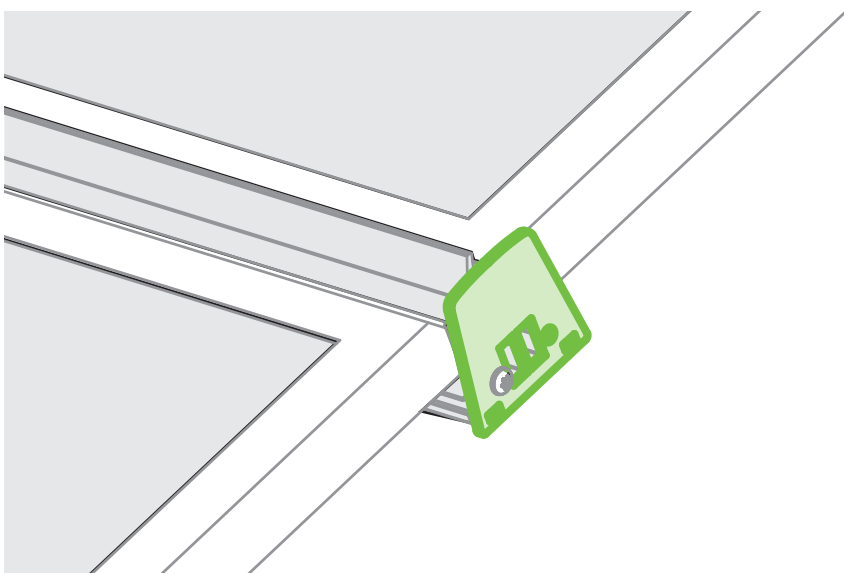
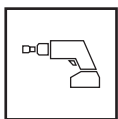


- C** Fit cross-rail connector set C IR.

The cross-rail connector set C IR must engage in the retaining flange of the support rail.

Tightening torque 25 Nm.

5 Mounting edge stop set IR snow guard



Notice:

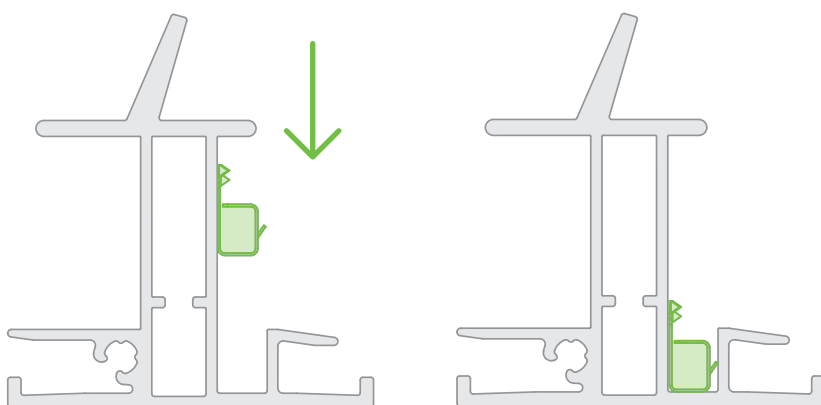
There is a risk of waterlogging, so make sure that the drainage holes of the module frame and the drainage channel of the insertion rail are clear.



An edge stop set IR must be fitted to each insertion rail with integrated snow guard at the end of a module row.

The opening of the edge stop set IR must be installed in such a way that it clears the drainage channel of the insertion rail.

6 Mounting contact latch



A contact latch must be fitted under each module. The contact latch must be pressed into the channel to the bottom of the insertion rail.



Warning:

The applicable standards and guidelines for lightning protection and potential equalisation must be observed.