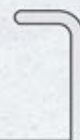


isotec
SOLAR MOUNTING SYSTEMS

ISOKEEN L

Sheet metal seam roof mounting system

ASSEMBLY GUIDE
EN / 24.02



Nobility 

 www.nobility.cz

Nobility s.r.o.

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Přímá distribuce a vlastní sklad na území ČR



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REQUIRED TOOLS



Tape Measure

Dimensions specified in the assembly manual to detect on the application surface must be available.



Marker

To mark the detected dimensions should be available.



Electric Screwdriver

Mount the products on the marked points the following sockets for should be used.

- S10 mm



Torquemeter

Inbus in easyclamp holders the desired torque of the bolt fastener. to make sure it's tight used. Measuring range 5 - 25 N.m is sufficient.

SAFETY INSTRUCTIONS

 Protective Gloves

 Earpiece

 Helmet

 Safety Shoes

 Safety Glasses

 Mask

 Protective Clothing

SAFETY INSTRUCTIONS

- Systems may only be assembled and commissioned by persons who can guarantee proper implementation based on their specialised suitability (e.g. training or profession) or experience.
- National and site-specific building codes, standards and environmental regulations must strictly be adhered to.
- Occupational safety and accident prevention regulations, relevant standards as well as regulations of professional associations must be complied with. The following must be particularly paid attention to:
 - Protective clothing must be worn (especially safety helmet, work boots and gloves).
 - Two persons must be present during the entire assembly process, in order to ensure rapid assistance in case of an accident.
 - The assembly instructions of the module manufacturer must be adhered to.
 - Equipotential bonding between individual system components must be performed in compliance with the respective national regulations.
 - During the entire assembly time it must be ensured that at least one copy of the assembly instruction is available at the construction site.
 - Failure to observe our installation regulations and installation instructions and non-use of all system components, as well as the installation and removal of components that were not purchased through us, results in us not being liable for any resulting defects or damage. In these cases our warranty will not be valid.
 - Components made of stainless steel are available in different corrosion resistance classes. In any case, it should be checked what corrosion load is expected for the building or component concerned. Z600 coated steel profiles may show red corrosion spots that do not affect static after a certain period of time.
 - In cases where material supplied by ISOTEC Enerji San. Ve Tic. Ltd. Şti. is re-cut to size on site, please ensure that the cut corners and edges are burr-free to rule out any risk of injury from sharp corners and edges.
 - In cases such as non-compliance with our general safety instructions or the installation of different components, ISOTEC Enerji San. and Tic. Ltd. Sti. has no liability.

COMPONENTS

1. ISOKEN L (1)

The Isoken L fixture is a specialized solution; it is compatible with L-shaped standing seam roofs and allows for application without drilling the roof.



2. ISOTRAP P (2)

The ISOTRAP P apparatus is used to mount ISOKEN L apparatus and ISOBEAM profile together.



3. EasyClamp End U60 V2 (3) ve EasyClamp Mid V3 (4)

Compatible with all ISOTEC systems

End clamp (3) for pv modules with 30-45mm thickness

Middle clamp (4) for pv modules with 30-45mm thickness

4. ISOBEAM (5)

Panel carrier profile.

5. ISOBEAM Connector (6)

Connector profile is used to ensure system continuity.



6. Self Drilling Screw (7)

It is used to connect ISOBEAM (5) and ISOBEAM Connector (6) components.



7. ISOBEAM Cap (8)

It provides protection and aesthetic possibilities by covering the exposed end of the profile.

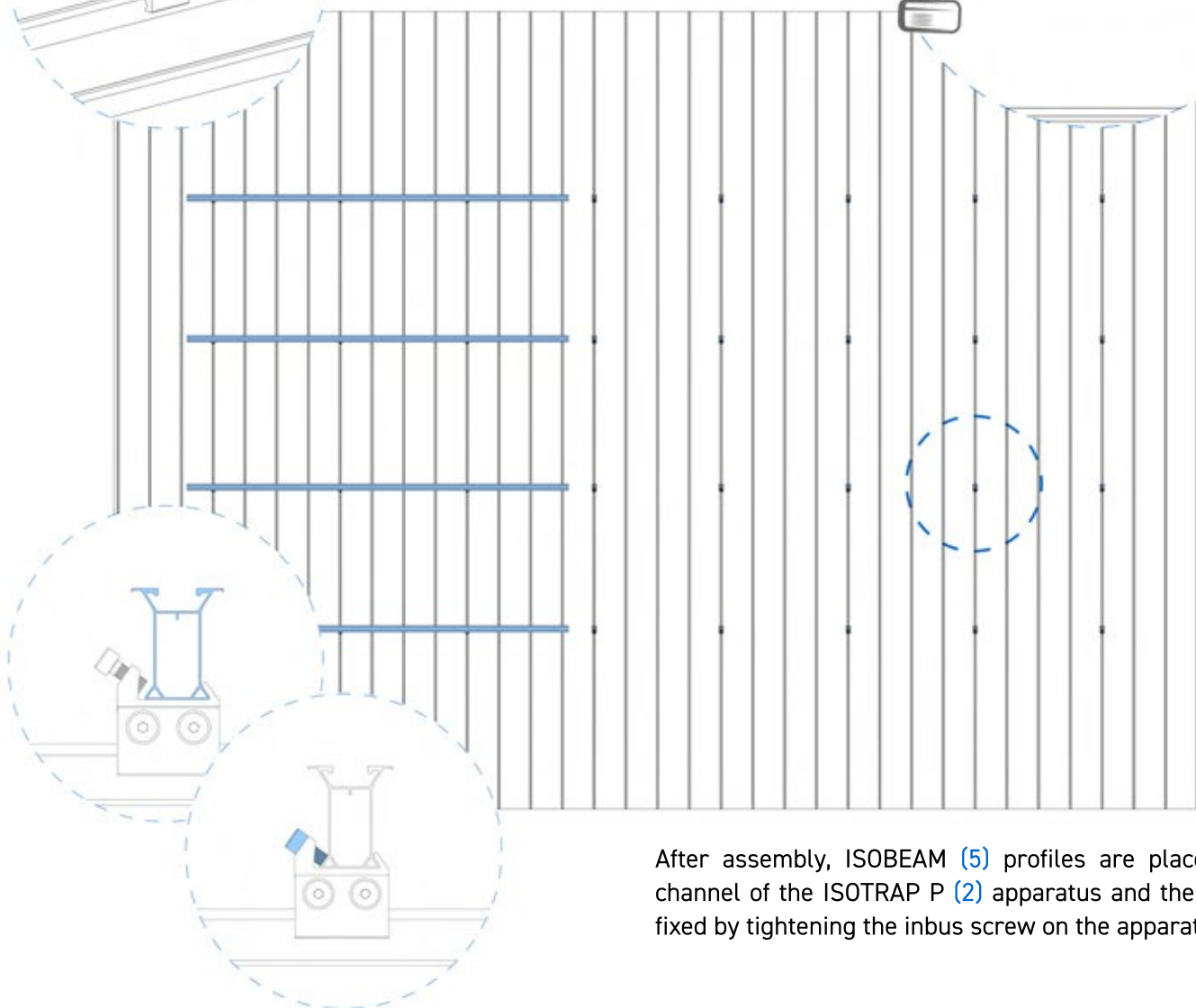
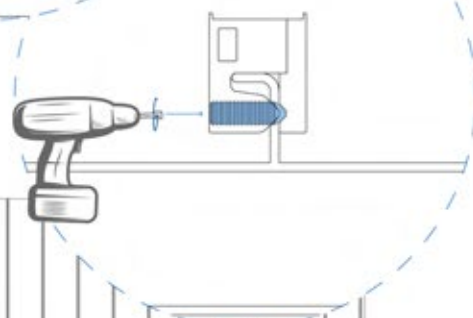
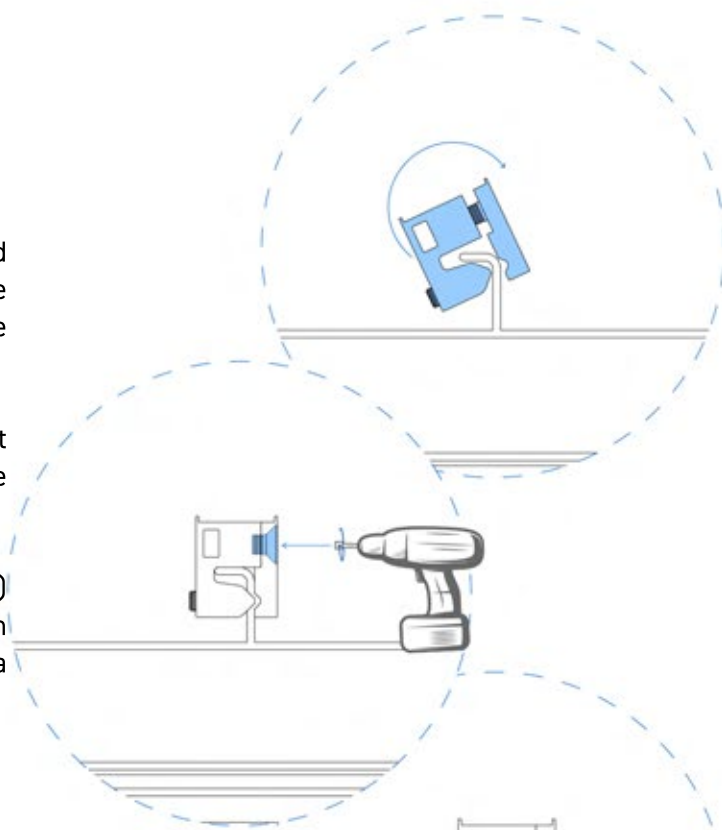
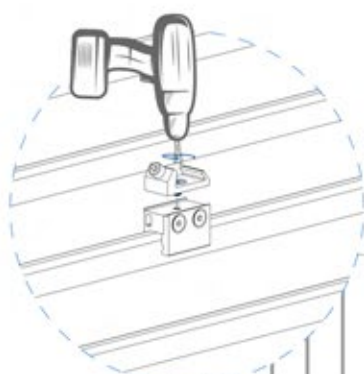


ASSEMBLY

The spaces where ISOKEN L (1) apparatus will be mounted are marked in accordance with the panel layout. The countersunk bolts on the ISOKEN L (1) apparatus are loosened and easily placed on the L bracket.

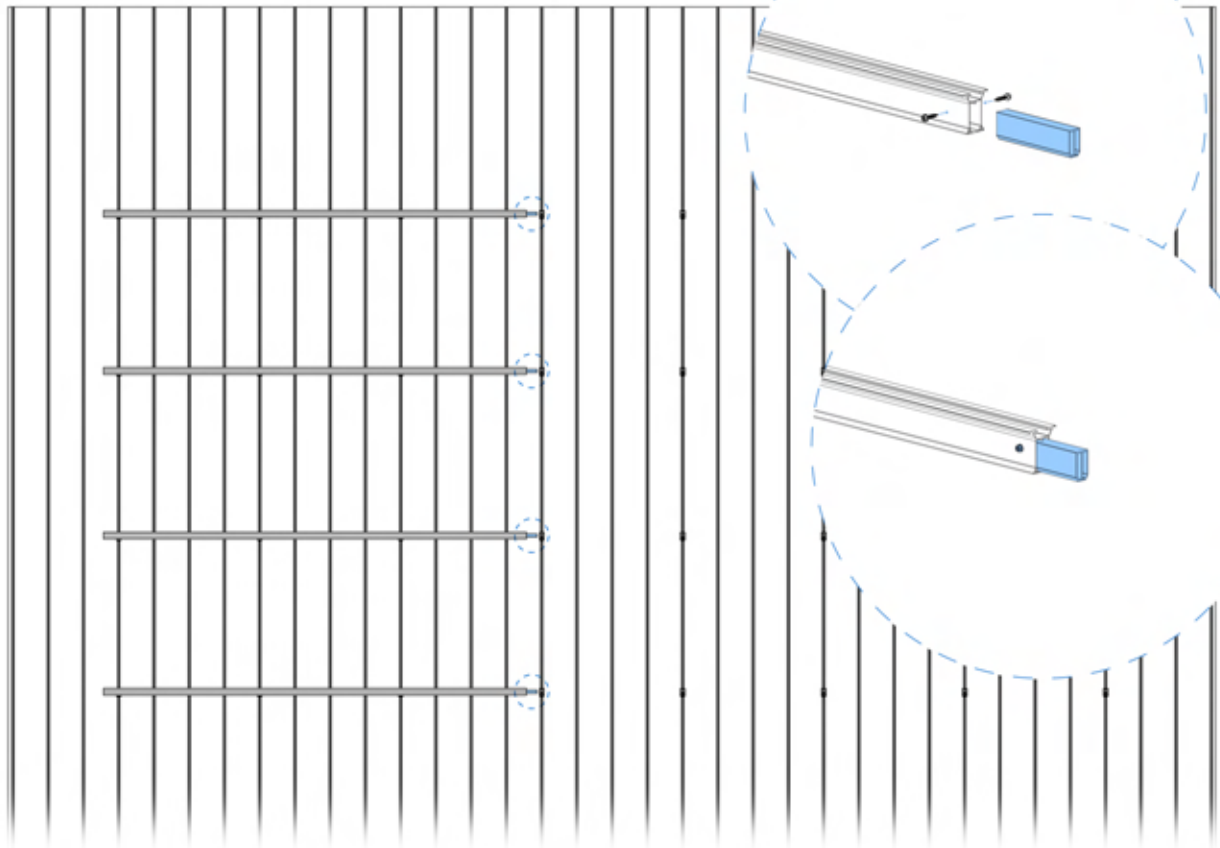
After the ISOKEN L (1) apparatus is brought to the correct position, the countersunk bolt is first tightened and then the set screw is tightened and fixed to the roof.

To mount the ISOKEN L (1) apparatus and the ISOBEAM (5) profile together, the ISOTRAP P (2) apparatus is mounted on the upper surface of the ISOKEN L (1) apparatus with a countersunk bolt.

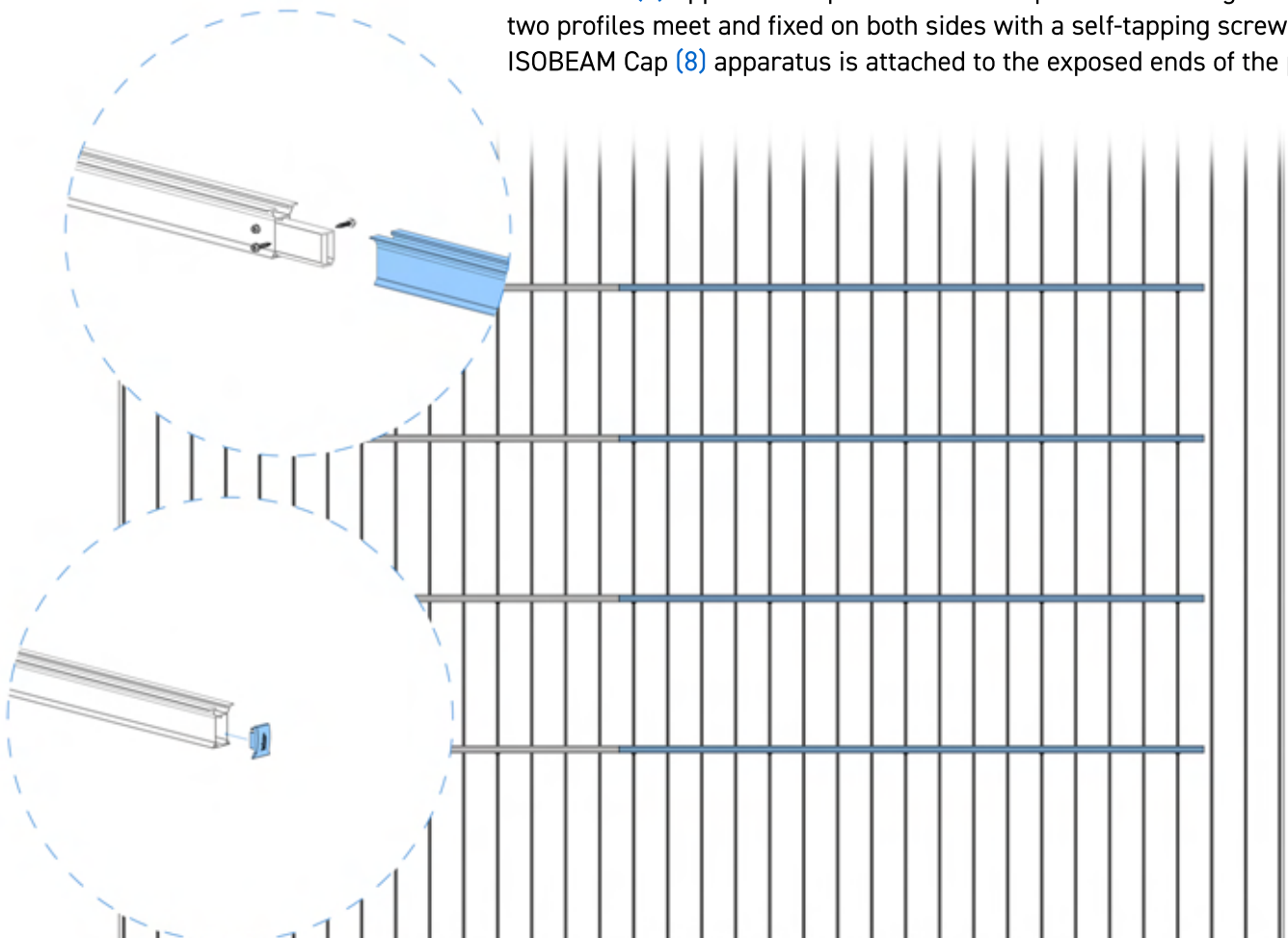


After assembly, ISOBEAM (5) profiles are placed in the channel of the ISOTRAP P (2) apparatus and the profile is fixed by tightening the inbus screw on the apparatus.

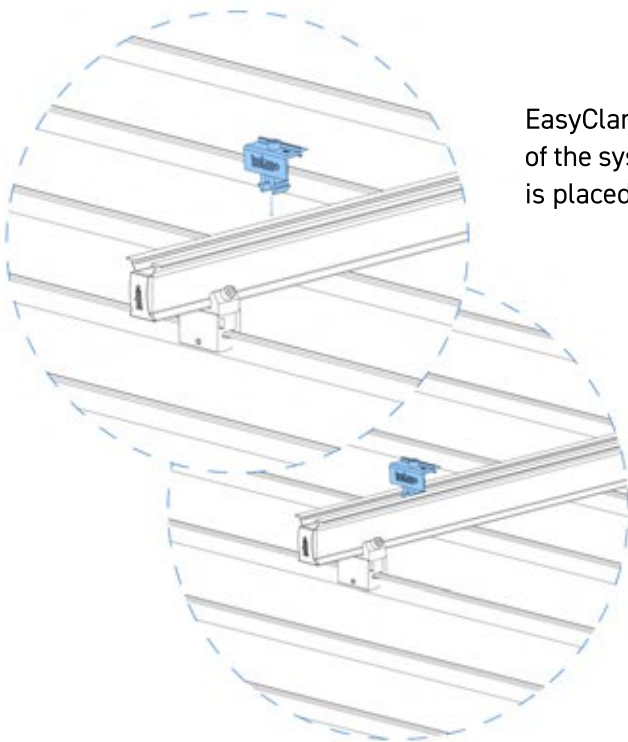
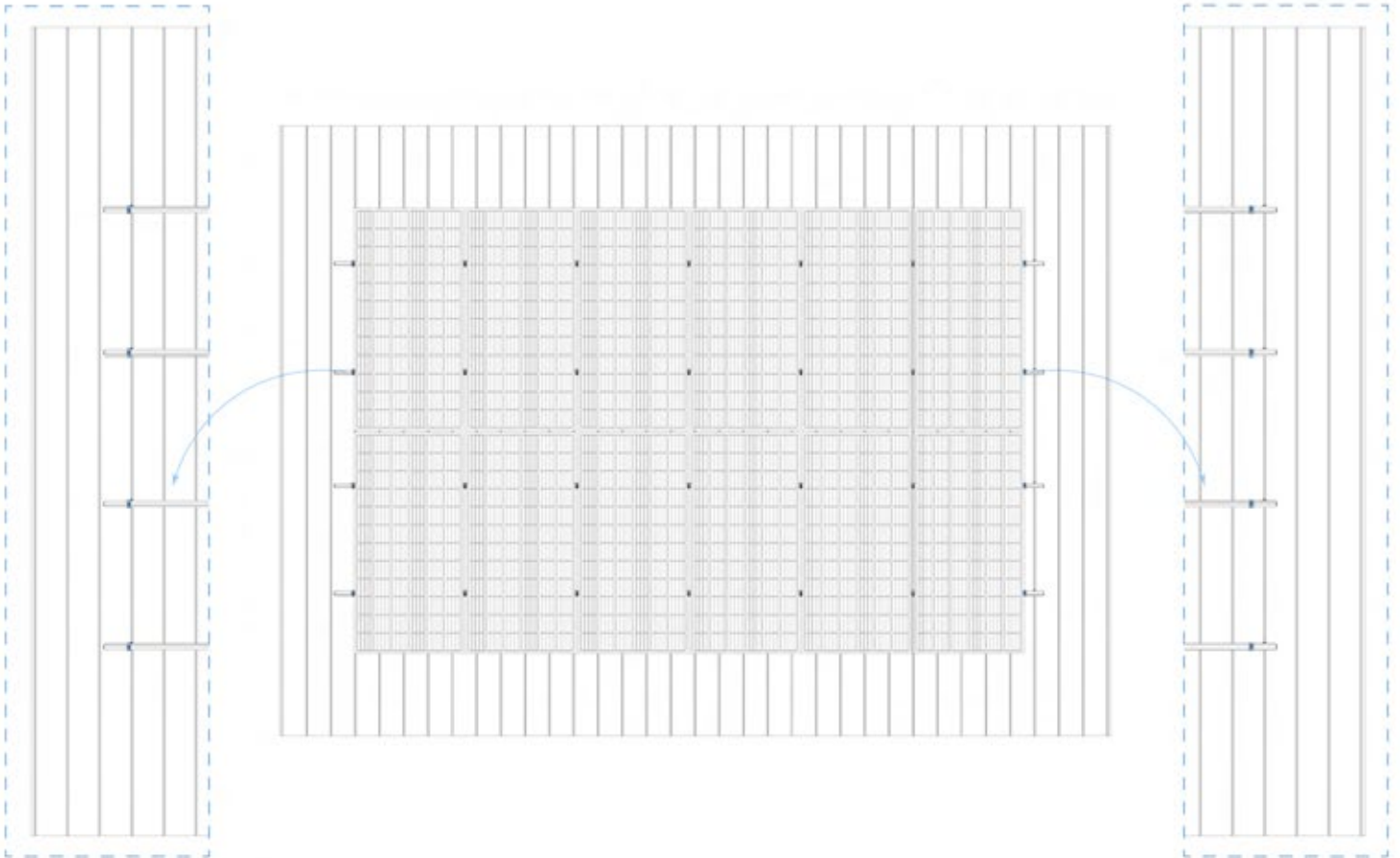
ASSEMBLY



ISOBEAM Connector (6) is used to ensure system continuity. The ISOBEAM Connector (6) apparatus is placed inside the profile at the edges where the two profiles meet and fixed on both sides with a self-tapping screw (7). ISOBEAM Cap (8) apparatus is attached to the exposed ends of the profile.

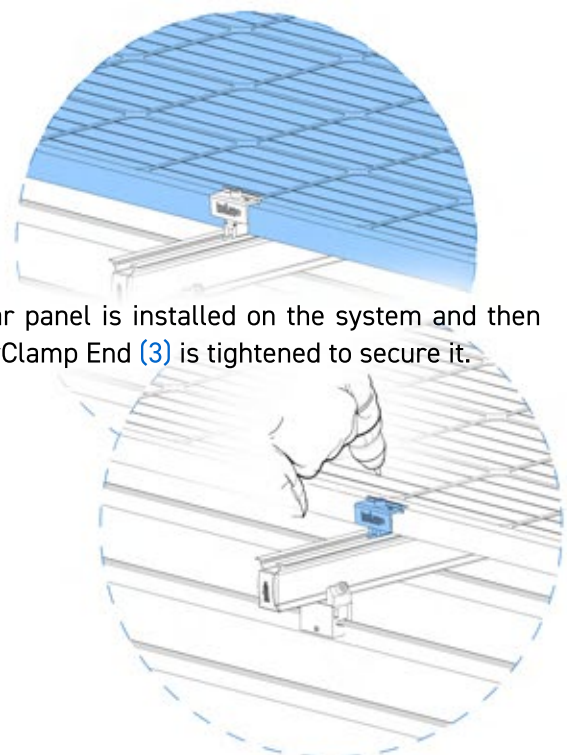


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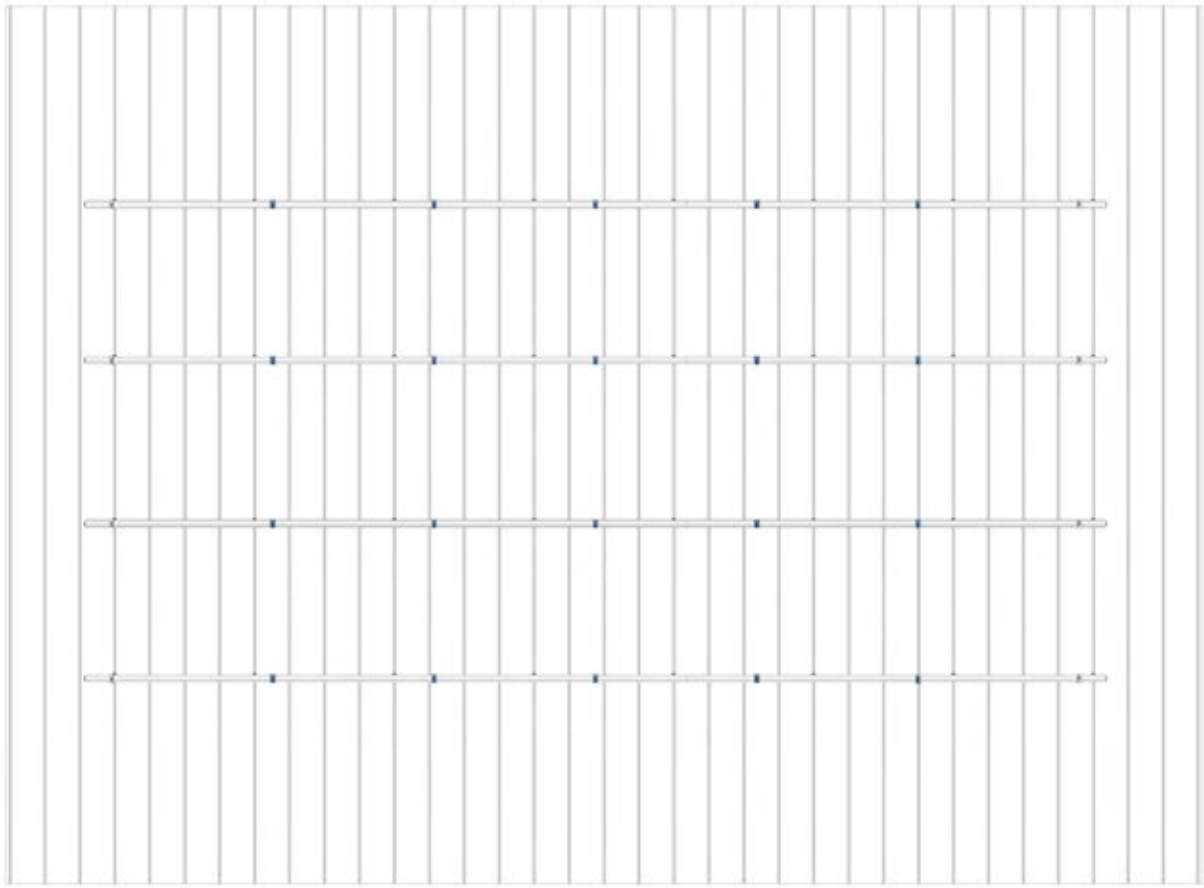
Preparation is made by adding the EasyClamp Middle (4) apparatus between the two panels.

EasyClamp End (3) is used at the beginning and end of the system to mount the panels. EasyClamp End (3) is placed in the channel of the ISOBEAM (5) profile.

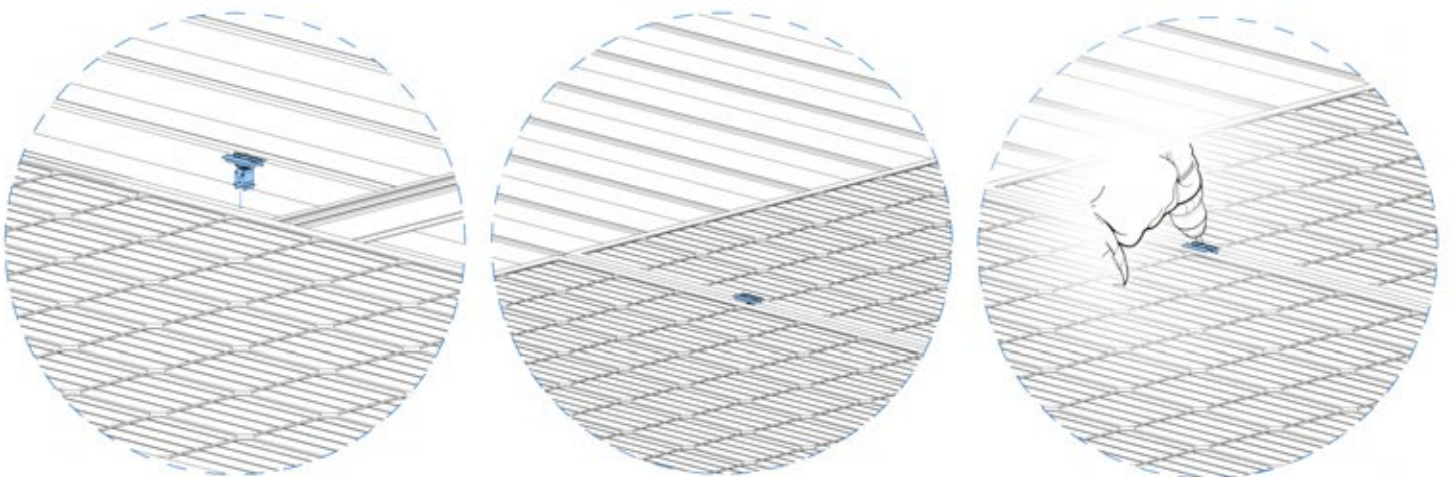


The solar panel is installed on the system and then the EasyClamp End (3) is tightened to secure it.

ASSEMBLY



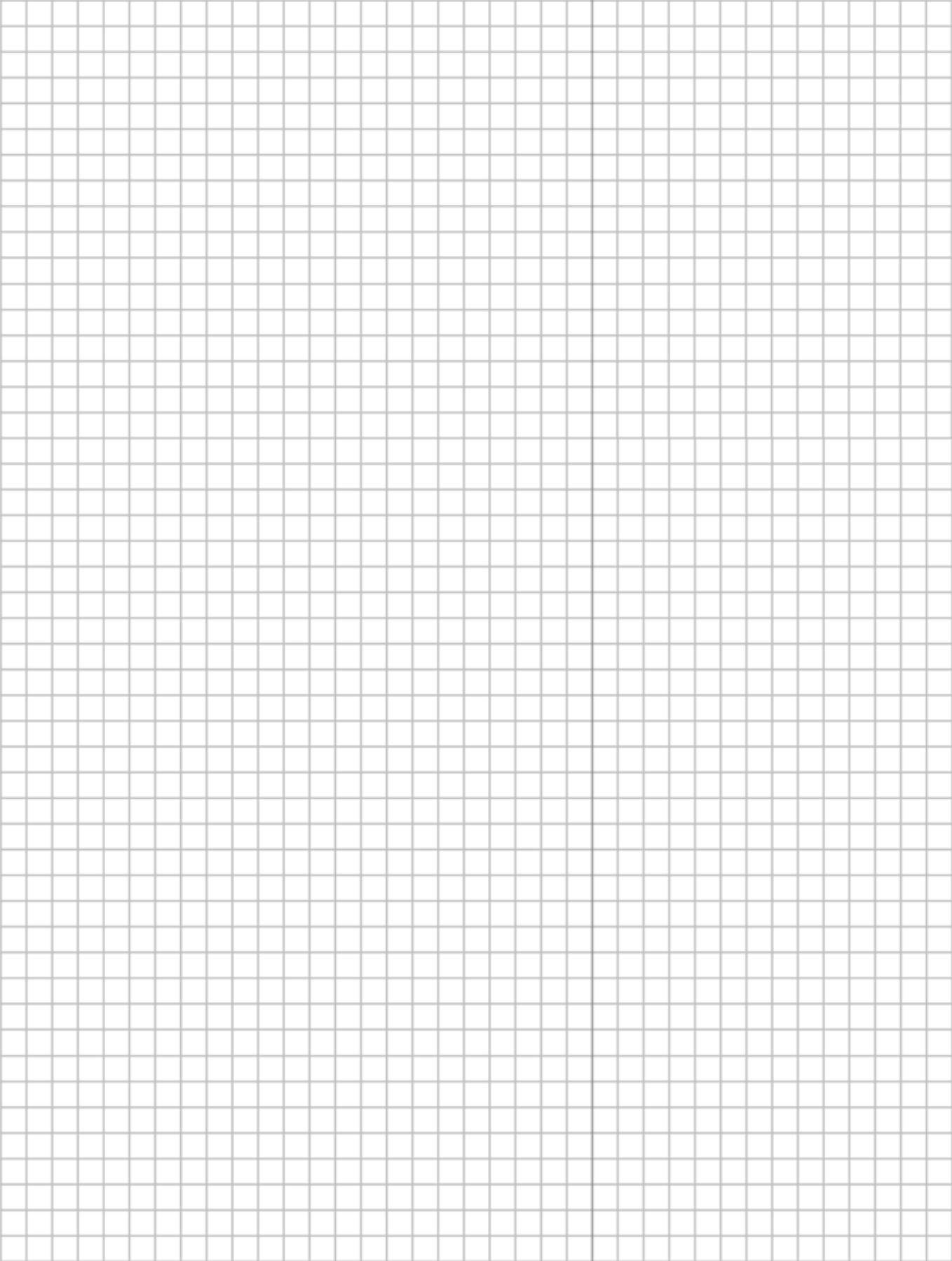
System continuity is ensured by using EasyClamp Middle (4) in the section between the two panels.



After the EasyClamp Middle (4) apparatus is placed in the system between the two pv modules, it should be tightened to secure them.

Thus, the system is completed.

NOTES





Our valued customer,

Thank you for choosing **ISOTEC** for your solar mounting system.

Your opinion is very important to us.

You can always contact us at **+90 (262) 244 43 09** or **info@isotec.com.tr** for suggestions, feedback and all questions about assembly.

You can be informed about current developments by following us on our social accounts.

