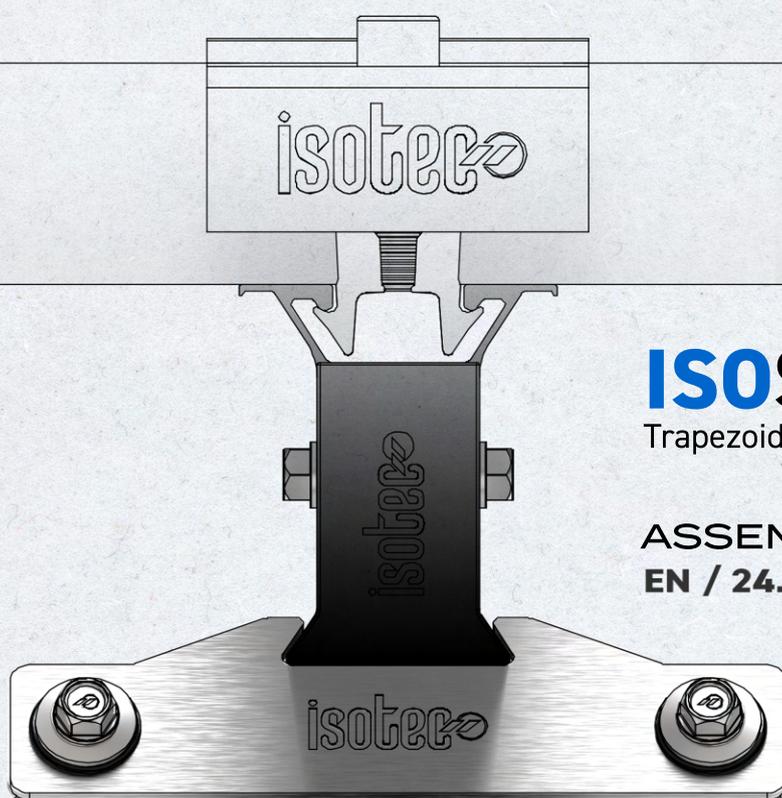


isotec

SOLAR MOUNTING SYSTEMS



ISOSIDE

Trapezoidal & Sandwich Roof

ASSEMBLY GUIDE

EN / 24.02

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REQUIRED TOOLS



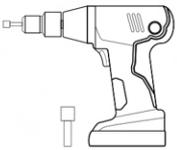
Tape Measure

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



Torque meter

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. ISOSIDE (1)

It has two different types of protection against moisture and leaks: EPDM tape protector or rubber protection.



2. EasyClamp End U60 V2 (2) ve EasyClamp Mid V3 (3)

Compatible with all ISOTEC systems

End clamp (2) for pv modules with 30-45mm thickness

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

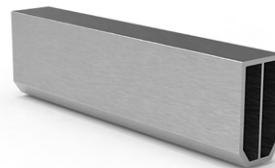


3. ISOBEAM (4)

Panel carrier profile.

4. ISOBEAM Connector (5)

Connector profile is used to ensure system continuity.



5. Self Drilling Screw (6)

It is used to connect ISOBEAM (4) and ISOBEAM Connector (5) components.



6. ISOBEAM Cap (7)

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



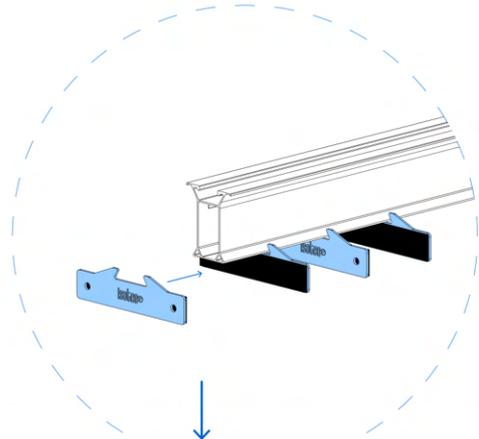
7. Self Drilling Screw (8) ve Waterproof Rivet (9)

The gasketed pointed screw (8), which is preferred for reliable installation, prevents leakage thanks to its gasket. It provides resistance to maximum forces by fixing the Isobeam (4) profile. At the same time, special rivets (9) with 99.9% leakproofness guarantee can also be preferred since they have an EPDM protector that protects against moisture and leaks.



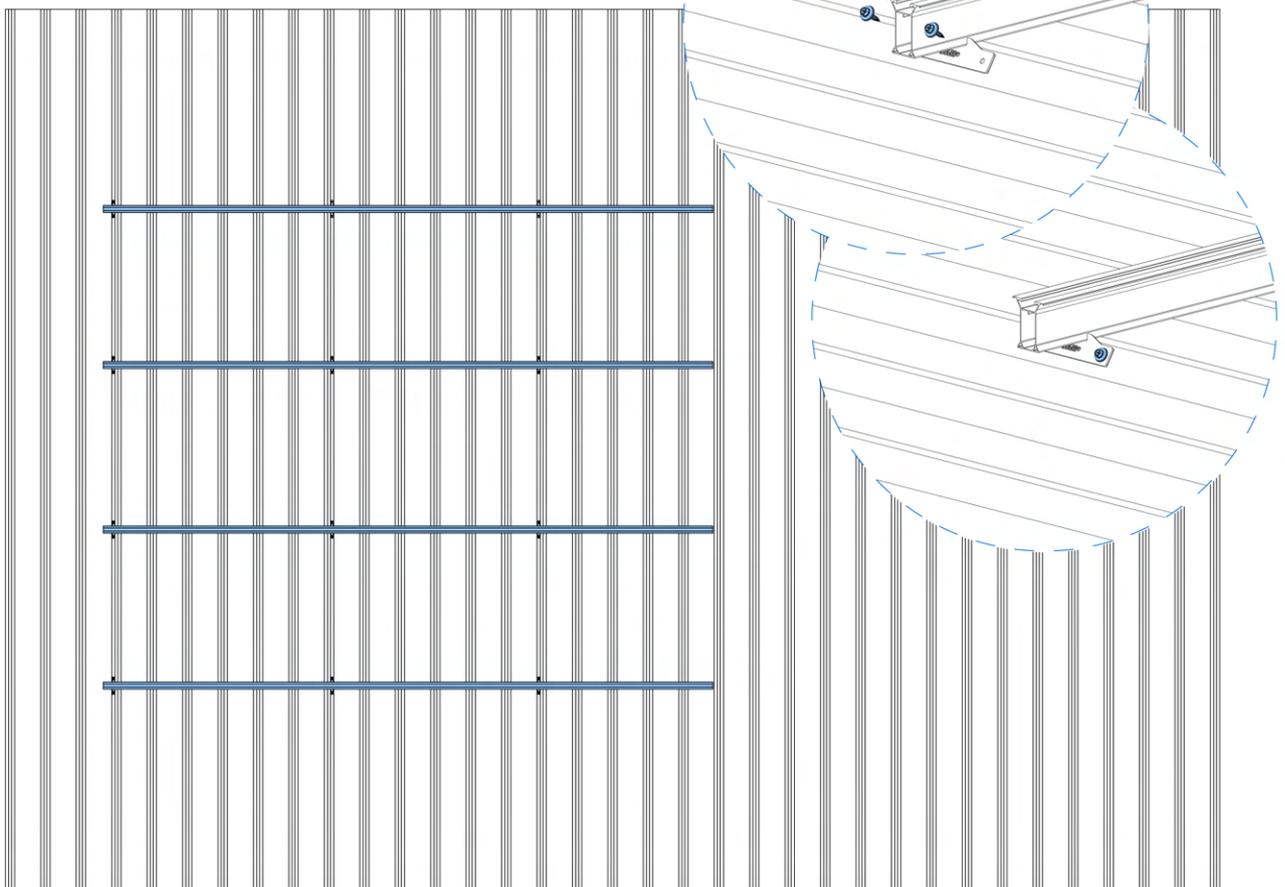
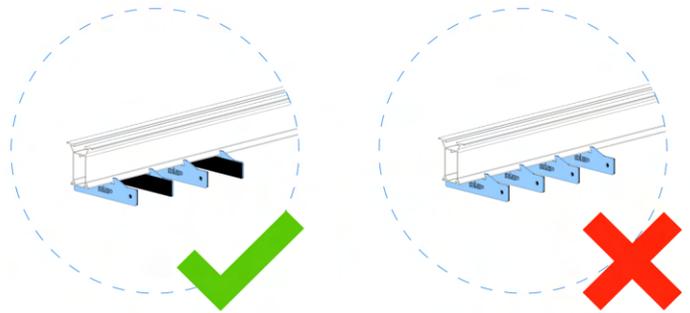
ASSEMBLY

The number of ISOSIDE (1) apparatus specified in the project is inserted into the ISOBEAM (4) profiles, one upside down and one straight, by the dragging method.

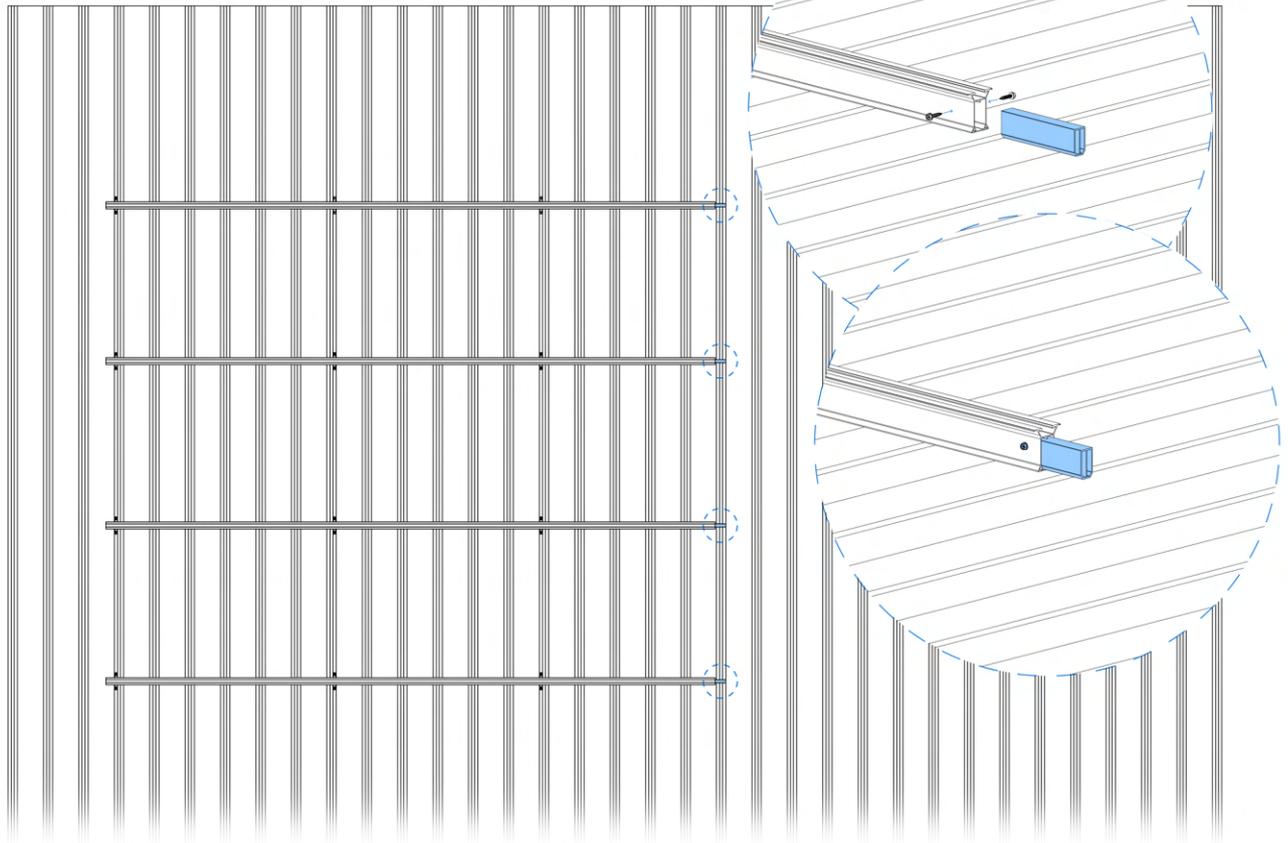


When working with ISOBEAM (4) profiles, it is possible to place the ISOSIDE (1) attachments by simply sliding them along the profile.

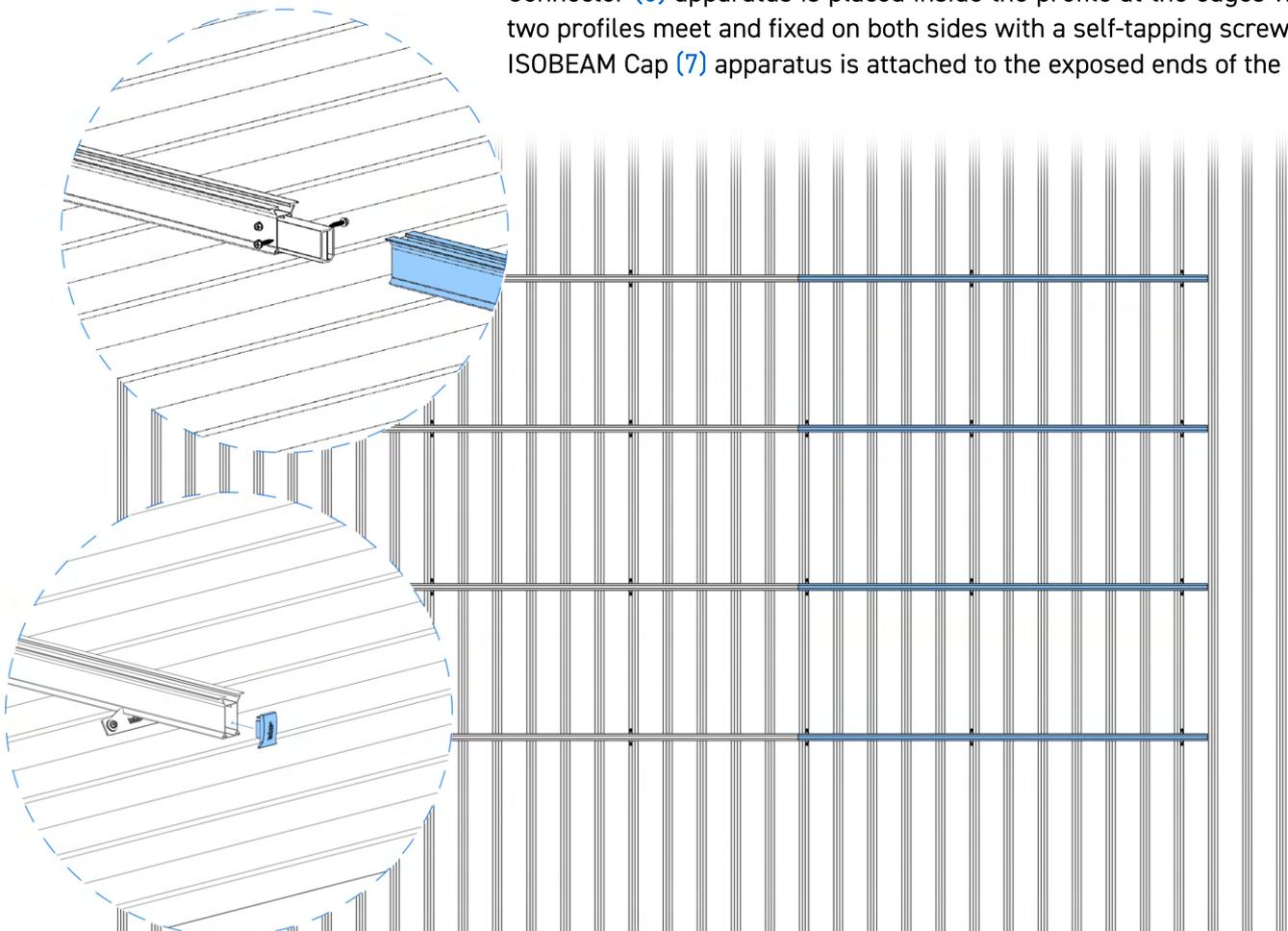
This flexibility allows the fixtures to move freely on the profile before assembly. During the assembly phase, the apparatus is aligned to the appropriate side of the profile according to the position of the rib. Once in the correct position, the apparatus is securely mounted with gasketed pointed screws (8) or waterproof rivets (9). In this process, it is essential to ensure that the apparatus is fixed correctly and securely on the profiles.



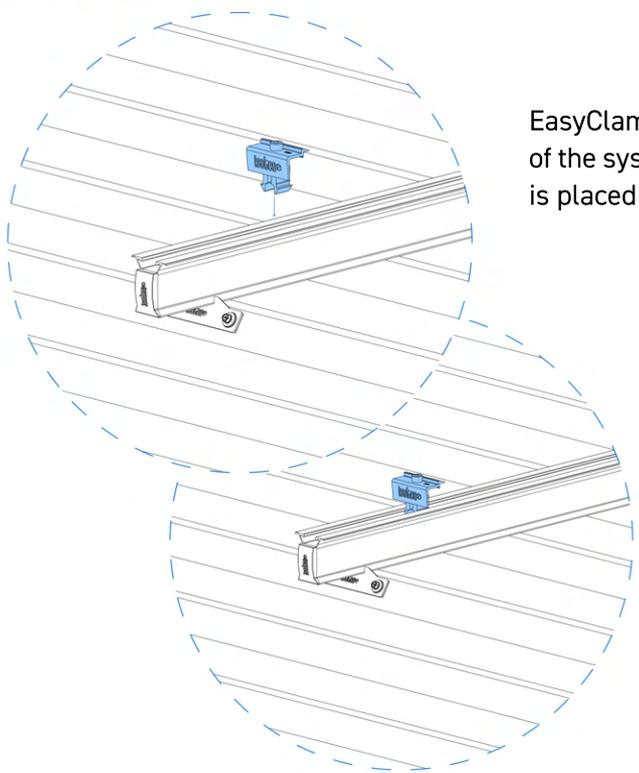
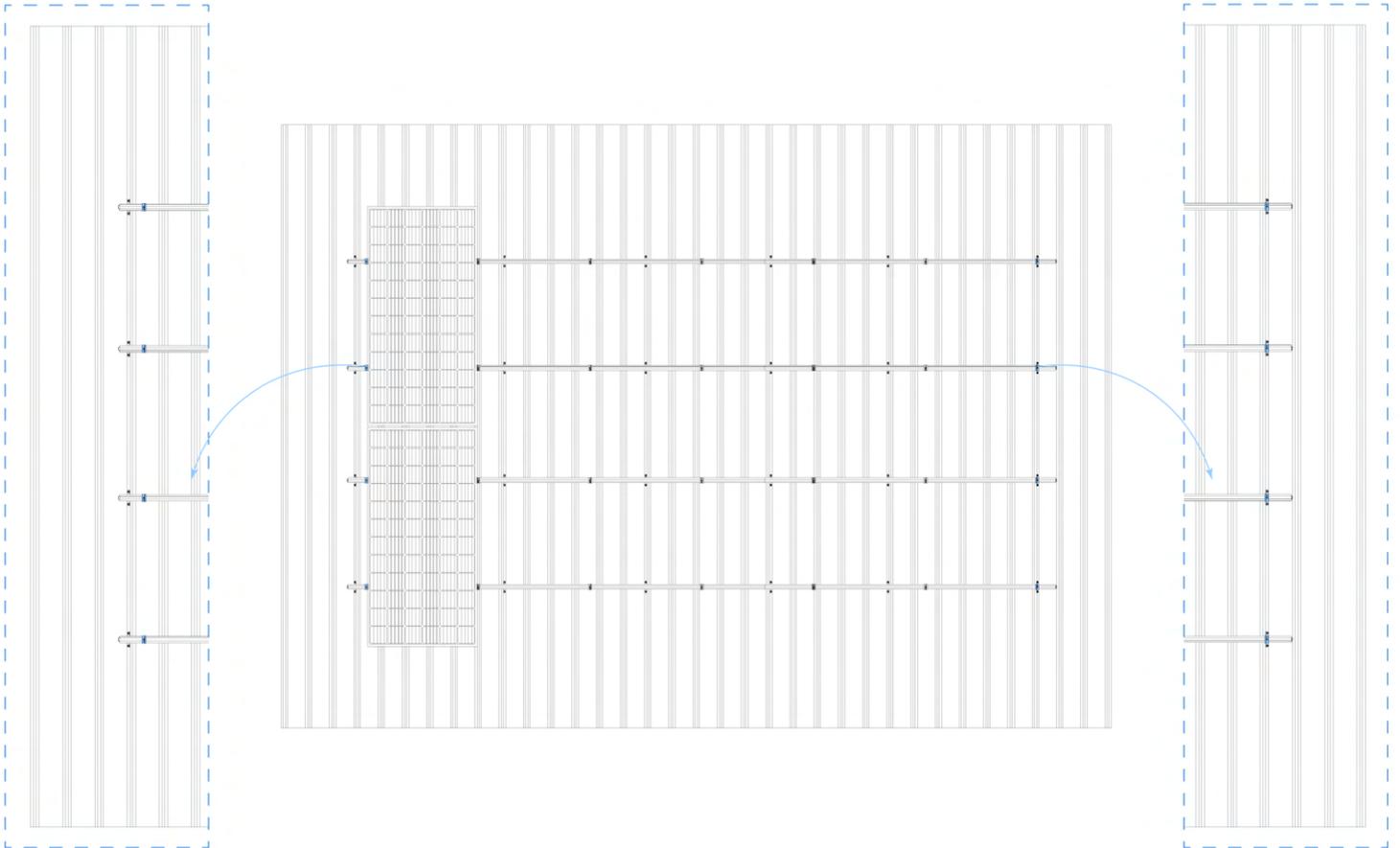
ASSEMBLY



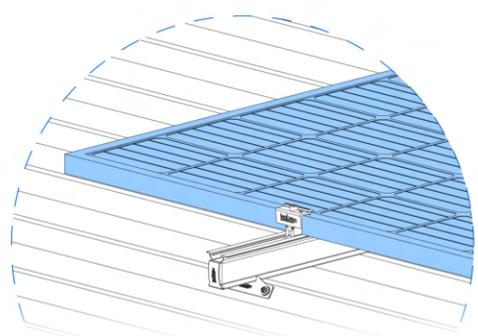
ISOBEAM Connector (5) is used to ensure system continuity. The ISOBEAM Connector (5) apparatus is placed inside the profile at the edges where the two profiles meet and fixed on both sides with a self-tapping screw (6). ISOBEAM Cap (7) apparatus is attached to the exposed ends of the profile.



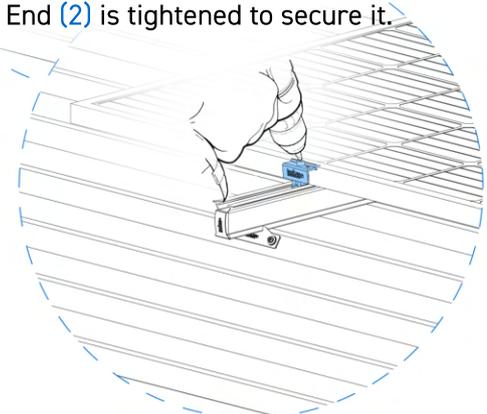
ASSEMBLY



EasyClamp End (2) is used at the beginning and end of the system to mount the panels. EasyClamp End (2) is placed in the channel of the ISOBEAM (4) profile.

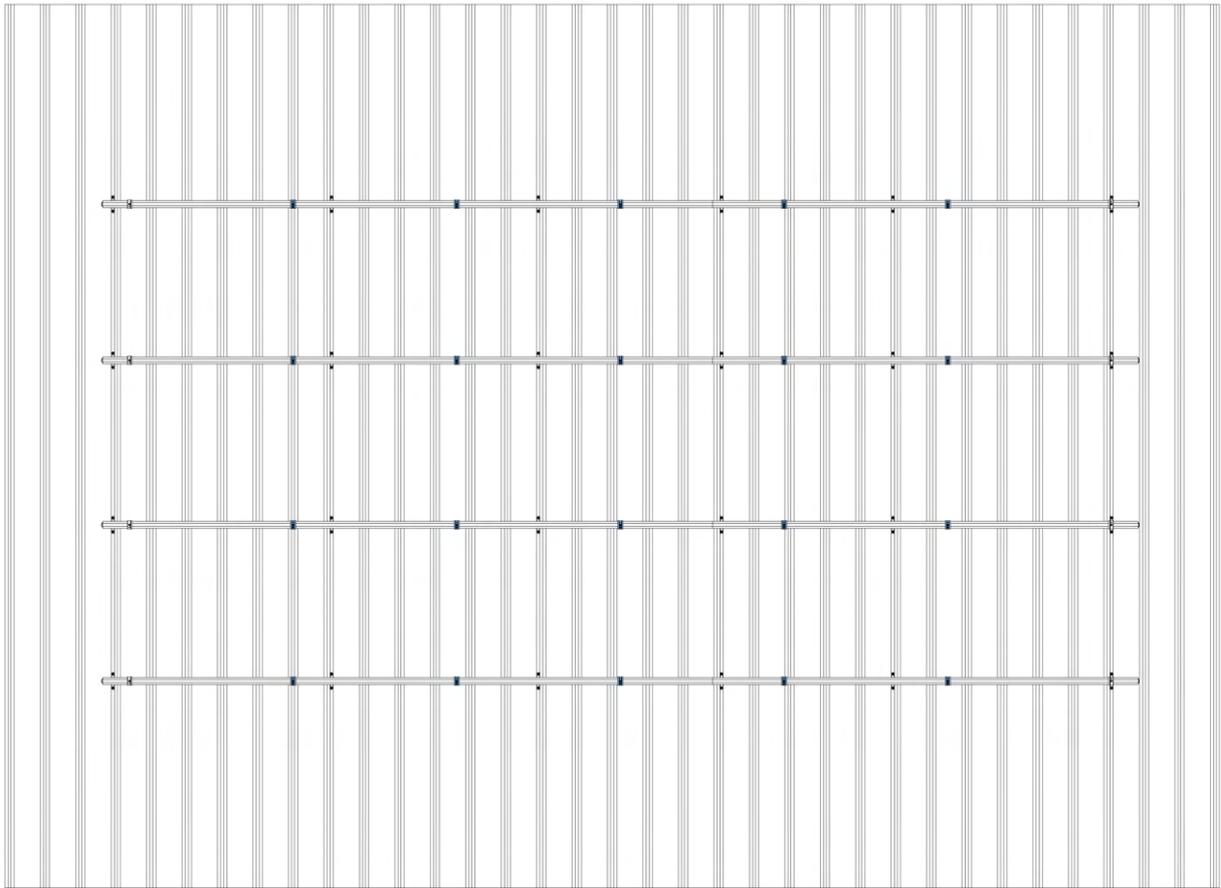


The solar panel is installed on the system and then the EasyClamp End (2) is tightened to secure it.

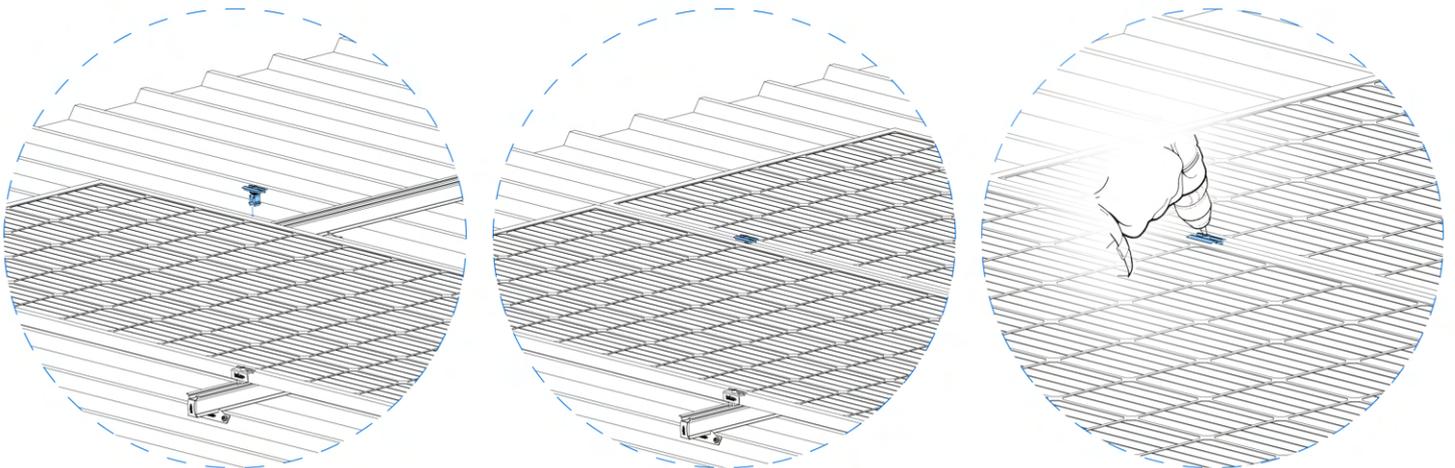


Preparation is made by adding the EasyClamp Middle (3) apparatus between the two panels.

ASSEMBLY



System continuity is ensured by using EasyClamp Middle (3) in the section between the two panels.



After the EasyClamp Middle (3) apparatus is placed in the system between the two pv modules, it should be tightened to secure them.

Thus, the system is completed.

NOTES

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.

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](tel:+902622444309) 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.

