



isotec 
SOLAR MOUNTING SYSTEMS

Trapezoidal & Sandwich Roof Mounting System

ASSEMBLY INSTRUCTIONS

EN / 25.02

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NECESSARY TOOLS



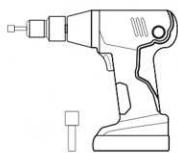
Tape Measure

It is used to apply and verify the dimensions specified in the assembly manual.



Marker

Necessary to mark the specified dimensions.



Electric Screwdriver

It is used to perform the assembly of the screws in the system.
- S10mm



Torque Wrench

It is used to ensure that the screws used in the system are tightened to the desired torque value.
Range 5 - 25 Nm is sufficient.

SAFETY EQUIPMENT



Protective Gloves



Ear Protection



Helmet



Safety Shoes



Safety Glasses



Mask



Protective Clothing

SAFETY INSTRUCTIONS

Systems may only be installed and operated by persons who can ensure proper execution based on their professional qualifications (e.g. training or profession) or experience.

National and site-specific building regulations, standards and environmental protection regulations must be observed.

Occupational health and safety regulations, relevant standards and regulations of the professional associations must be observed. Special attention should be paid to the following:

Safety clothing must be worn (in particular safety helmet, work shoes and gloves).

The presence of two persons is essential for the entire assembly process in order to provide quick assistance in the event of an accident.

The assembly instructions of the module manufacturer must be observed.

Equipotential bonding between individual system parts must be carried out in accordance with the respective national regulations.

During the entire assembly period, it must be ensured that at least one copy of the assembly instructions, application drawing is available on site.

Non-observance of our assembly instructions, non-use of all system components, arise during assembly and disassembly of components not supplied by us.

No liability is assumed for any defects or damages. The warranty is excluded in this context.

Stainless steel components are available in various corrosion resistance classes. In any case, it should be checked what corrosion load is expected for the building or component. Steel profiles coated with Z600 may show red corrosion spots after a certain time, which do not affect the structural integrity.

In cases such as non-observance of our general safety instructions or installation of deviating components, ISOTEC Enerji San. ve Tic. Ltd. Sti. assumes no liability.

COMPONENTS

1. Isotrap S20 (1)

EPDM-bonded PV carrier profile.



2. EasyClamp End U60 V2 (2)

Compatible with all ISOTEC systems. Universal clamps can be easily installed with full-frame PV modules 30 - 45 mm height.

Should be used for the outer edges of the panels.



3. EasyClamp Mid V3 (3)

Compatible with all ISOTEC systems. Universal clamps can be easily assembled with full-frame PV modules in 30 - 45 mm cells.

Use for edges between two panels.

4. Self-drilling Screw (4)

Preferred for reliable installation, prevents leakage thanks to its pointed screw seal. By fixing the Isotrap S20 profile, resistance against maximum forces is ensured.



5. Waterproof Rivet (5)

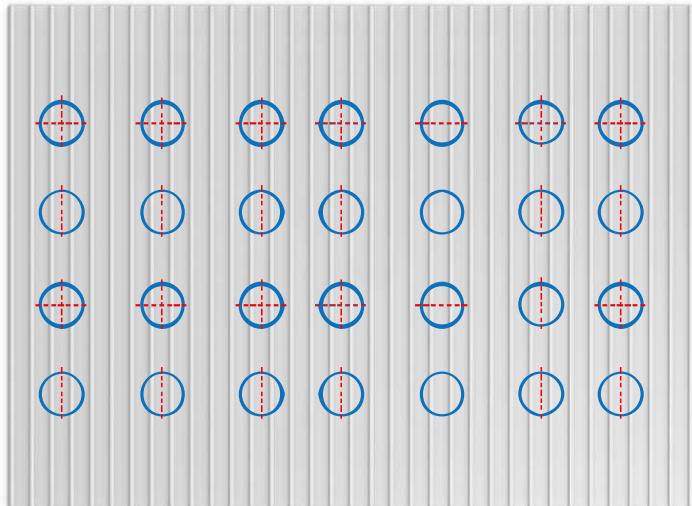
The special rivet has a 99.9% tightness guarantee against moisture and leakage. By installing the Isotrap S20 profile, maximum force resistance is provided.



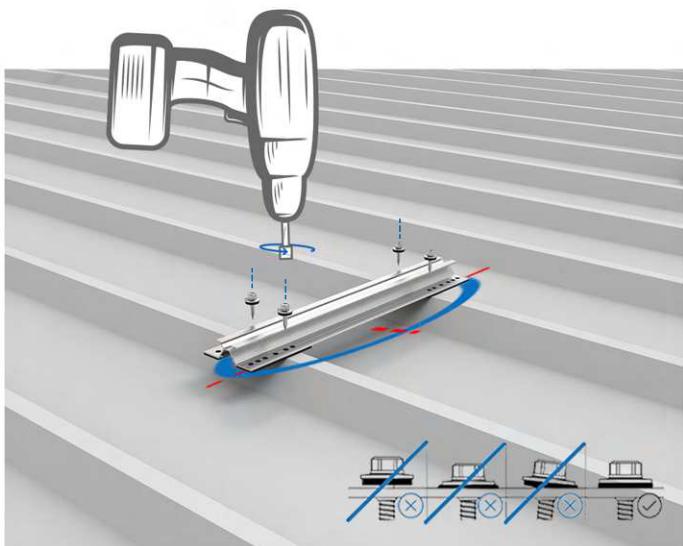
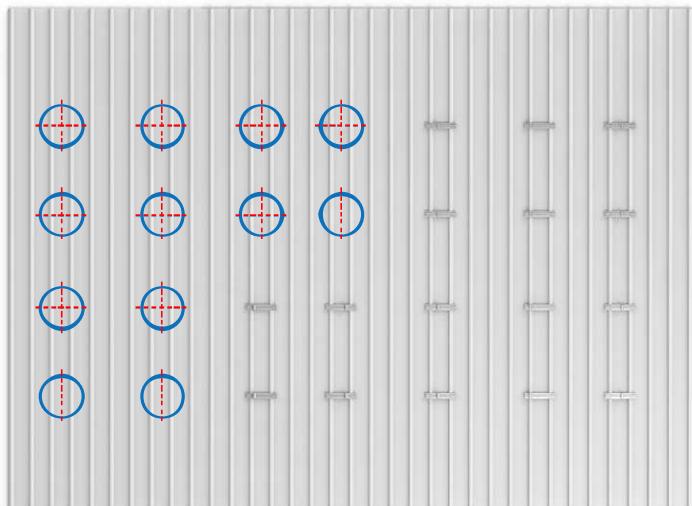
ASSEMBLY

1. Marking

According to the PV order, the positions on which the Isotrap S20 (1) profiles will be mounted are determined and marked.



Isotrap S20 (1) profiles are placed on the ridges according to this marking.



2. Fixation

Self-drilling screws (4) or waterproof rivets (5) are mounted vertically through the holes corresponding to the ridge on the roof and care must be taken to ensure the seal opens.

ASSEMBLY

3. Clamp

The panel holders Easyclamp End (2) or Easyclamp Mid (3) are placed on the mounted Isotrap S20 (1) profiles, taking their positions into account.



4. Panel

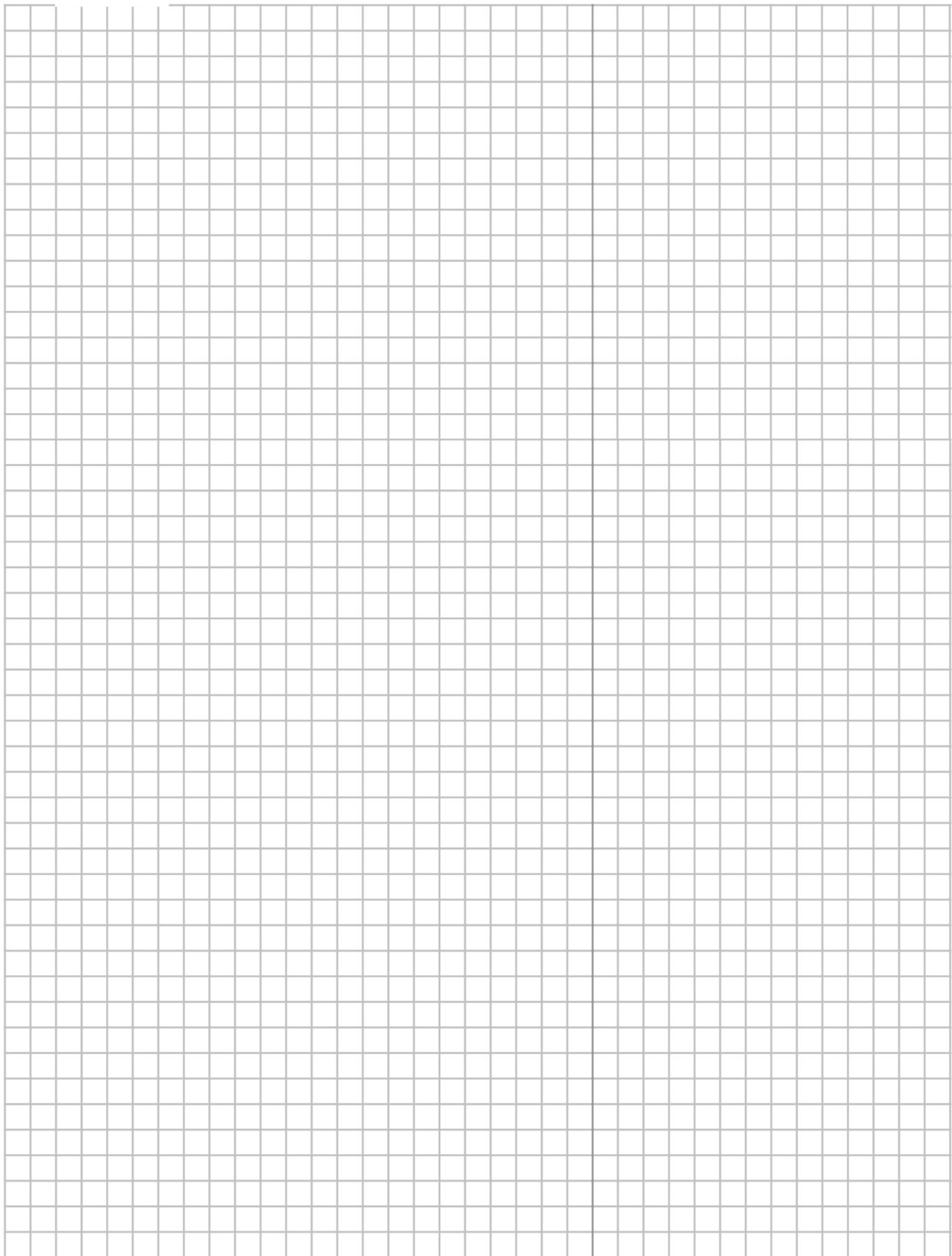
The panels are snapped into the Isotrap S20 (1) profiles.



5. Assembly

The panel assembly is completed by tightening the hex screw on the Easyclamp holders (2) - (3) with a torque of 14-17 Nm.

NOTES





Dear valued customer,

Thank you for choosing ISOTEC for your solar mounting system.

Your opinion is very important to us.

For all your questions regarding suggestions, feedback and installation, you can reach us anytime at +90 (262) 244 43 09 or by e-mail info@isotec.com.tr.

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

