

YOUR PARTNER FOR THE FUTURE

As a wholesaler and reliable partner for PV specialists, construction companies and investors, we are active worldwide with over 400 employees in system wholesale and large-scale plant construction. For more than 30 years, we have acted as a 'motor for change' and generate significant synergies in the market with our mounting systems and products.

Our own products, the PV mounting systems, are divided into insertion and clamping systems designed for on-roof, in-roof, flat-roof and green-roof applications.

These systems offer optimum solutions that meet the different requirements of various roof types and orientations. We attach particular importance to the use of high-quality materials, the precise workmanship of the components and the durability of the substructures.

Discover our innovative PV mounting systems.

TRITEC - ENERGY FOR A BETTER WORLD

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THE B2B WEBSHOP FOR COMPLETE PV SYSTEMS

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Glossary



Discover our B2B online shop for photovoltaic experts. In addition to an extensive product portfolio, valuable resources such as installation videos, technical data sheets and installation instructions are available to you at any time. Keep up to date with the latest products and exciting customer discount campaigns and optimise your orders.

Find out more and visit us in the TRITEC online shop.

shop.tritec-energy.com







HIGH SPEED FOR MORE EFFICIENCY

Our **PV insertion systems** are designed for the most efficient work. With just a few components and the proven SafeClick assembly, you can realise your project in an unbeatably short time.

Your advantages at a glance:

- **Up to 50** % **faster assembly:** Our TRI-STAND insertion systems score with their enormous time advantage over several other systems.
- Efficiently planned: Use the free TRI-DESIGN planning software to plan your mounting system, inverter and string management.
- **Maximum flexibility:** TRI-STAND mounting systems use identical components for upright and transverse assembly.
- Floating mounted: The floating mounting gives no chance for damage due to thermal expansion to the roof, mounting system and module. Thermal separation of the system is not necessary.

TRI-STAND

The smart insertion system for PV systems on tiled roof.



- Floating rooftop system, therefore no thermal separation necessary
- Simple, quick and efficient installation
- Considerable time and thus cost saving
- Optimum load distribution and stability
- Suitable for all common framed solar modules



TRI-STAND FOR TILED ROOF

This way you easily increase your efficiency

Realize your projects in an unbeatably short time: The smart planning software, the few components and the patented SafeClick assembly enable an extremely quick, safe and simple installation of the PV insertion system TRI-STAND on the roof. The PV modules are easily inserted into the insertion profiles and are held in place by their own weight. Additional fastening of the modules is completely unnecessary.

TRI-STAND is installed in just a few steps

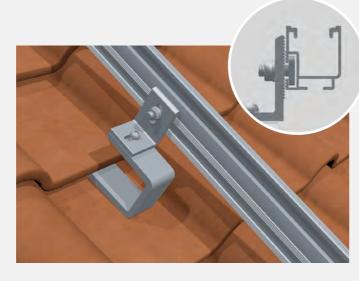


1. Mounting the roof hook

After checking the substructure of the roof for its point load bearing capacity, the roof hooks are mounted according to the design plan.

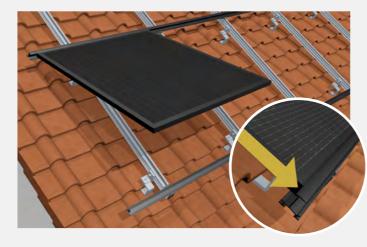


3. Clicking the TS insert profiles into the SafeClick The insertion profiles are clicked into the SafeClick and are floatingly connected to the roof. Damage to the roof and module caused by thermal expansion is thus avoided.



2. Mounting the base profile (UP-X)

The pre-assembled profiles are then securely installed on the roof hooks with the M10 hammerhead screw.



4. Inserting the modules into the TS insertion profiles The modules are inserted into the insertion profiles and are held in place by their own weight - there is no need for additional fastening.

THE SYSTEM COMPONENTS

Extremely fast assembly with few components

With TRITEC you have the choice: Many components of the PV insertion system TRI-STAND are available in the colour selection "black" and "blank" (aluminum silver). Completely tailored to your needs: The profiles and variants marked with * are available in different lengths on request.



TRI-STAND insertion profile Standard

- variants: TS-30/32/35/38/40
- · colour selection black / blank
- available in different lengths*



TRI-STAND end profile

- variants: TS-30/32/35/40
- colour selection black / blank • available in different lengths*



TRI-STAND universal profile UP-X 3,70 m

- black, item no.: 1503404
- blank, item no.: 1503352 • other lengths on request*
- TRI-STAND universal profile connector UP-CX Standard • pre-assembled incl. hammer
 - head bolt • black, item no.: 1503404

Colour key: ● black | ● blank

Standard

- blank, item no.: 1503406



TRI-STAND SafeClick-Torx

- black, item no.: 1502963 blank, item no.: 1502870
- TRI-STAND insertion profile connector TS-C Standard
- black, item no.: 1502417 blank, item no.: 1502216



TRI-STAND anti-slip device AS, for increased loads**

- substructure part for existing SafeClick, pre-assembled
- item no.: 1503408



TRI-STAND end bracket TS-E

• black, item no.: 1502307 blank, item no.: 1502214



TRI-STAND roof hook PRO Standard

• item no.: 1503402



TRI-STAND roof hook PRO PLUS Standard

• item no.: 1503403



TRI-STAND end cap for UP-X profile

• item no.: 1503185



^{*} Information on lengths and part numbers on request.

^{**} Point overloads on SafeClicks due to increased snow loads are effectively prevented by the use of TRI-STAND anti-slip protection.

Videos, planning and contact





Simply scan the QR code or visit the following link to get more information about TRI-STAND for tiled roof, such as installation video, installation instructions and references.

www.tritec-energy.com/en/pv-mounting-systems/tiled-roof/





Just scan the QR code or visit the following link to watch the training video on our TRI-DESIGN planning software.

https://www.youtube.com/watch?v=S9WGviC8x2I

The optimal mounting solution for every roof

TRITEC mounting systems combine over 30 years of photovoltaic experience. Our own products TRI-STAND, TRI-ROOF+, TRI-CLIP and TRI-FLAT Easyspeed offer optimum PV mounting solutions for the various requirements of different roof types and alignments. We attach great importance to the high-quality processing of the components as well as to the durability of the substructure.

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Website & online shop www.tritec-energy.com shop.tritec-energy.com



TRI-STAND

The smart insertion system for PV systems on trapezoidal sheet metal.

- simple
- quick
- efficient

- Floating rooftop system, therefore no thermal separation necessary
- Simple, quick and efficient installation
- Considerable time and thus cost saving
- Optimum load distribution and stability
- Suitable for all common framed solar modules

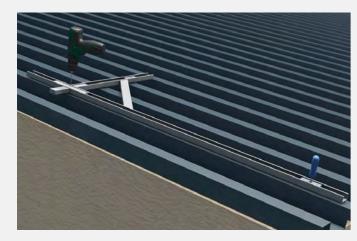


TRI-STAND FOR TRAPEZOIDAL SHEET METAL

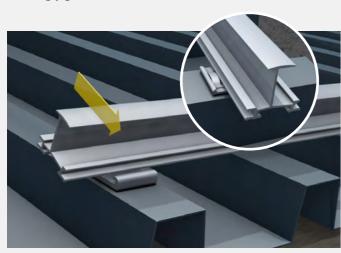
This way you easily increase your efficiency

Realize your projects in an unbeatably short time: The smart planning software, the few components and the patented SafeClick assembly enable an extremely quick, safe and simple installation of the PV insertion system TRI-STAND on the roof. The PV modules are easily inserted into the insertion profiles and are held in place by their own weight. Additional fastening of the modules is completely unnecessary.

TRI-STAND is installed in just a few steps

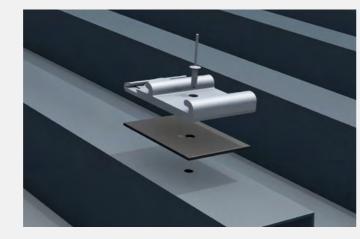


1. Measuring and predrilling the module field According to the design plan, the module field is measured on the roof. Then the trapezoidal sheet metal covering is pre-drilled using the TRITEC drilling jig.



3. Clicking the TS insert profiles into the SafeClick The insertion profiles are clicked into the SafeClick and are floatingly connected to the roof. Damage to the roof and module caused by thermal expansion is thus avoided.

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2. Riveting the SafeClick onto the trapezoidal sheet The proven SafeClick is mounted directly onto the trapezoidal sheet metal by rivet1, whereby considerably fewer fastening points become necessary.



4. Inserting the modules into the TS insertion profiles The modules are inserted into the insertion profiles and are held in place by their own weight - there is no need for additional fastening.

THE SYSTEM COMPONENTS

Extremely fast assembly with few components

With TRITEC you have the choice: Many components of the PV insertion system TRI-STAND are available in the colour selection "black" and "blank" (aluminum silver). Completely tailored to your needs: The profiles and variants marked with *

are available in different lengths on request.



TRI-STAND insertion profile Standard

- variants: TS-30/32/35/38/40
- colour selection black / blank
- available in different lengths*



TRI-STAND end profile

- variants: TS-30/32/35/40
- colour selection black / blank
- available in different lengths*



TRI-STAND Special SafeClick Standard

- pre-assembled incl. rivet & seal
- black, item no.: 1503075
- blank, item no.: 1502987



TRI-STAND insertion profile connector TS-C

• black, item no.: 1502417 blank, item no.: 1502216



TRI-STAND end bracket TS-E

Standard

black, item no.: 1502307

blank item no: 1502214

* Information on lengths and part numbers on request.

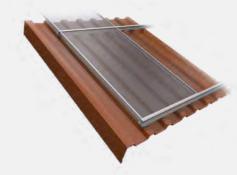


Colour key: ● black | ● blank

¹ Also available as screw version with TRI-STAND thin sheet metal screw 6.0 x 25 DS.

Videos, planning and contact





Simply scan the QR code or visit the following link to get more information about TRI-STAND for trapezoidal sheet metal, such as installation video, installation instructions and references.

www.tritec-energy.com/en/pv-mounting-systems/trapezoidal-sheet-metal/





Just scan the QR code or visit the following link to watch the training video on our TRI-DESIGN planning software.

https://www.youtube.com/watch?v=S9WGviC8x2I

The optimal mounting solution for every roof

TRITEC mounting systems combine over 30 years of photovoltaic experience. Our own products TRI-STAND, TRI-ROOF+, TRI-CLIP and TRI-FLAT Easyspeed offer optimum PV mounting solutions for the various requirements of different roof types and alignments. We attach great importance to the high-quality processing of the components as well as to the durability of the substructure.

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Website & online shop www.tritec-energy.com shop.tritec-energy.com



TRI-STAND

The smart insertion system for PV systems on corrugated fibre cement.



- Floating rooftop system, therefore no thermal separation necessary
- No stresses on the module or rail system due to thermal expansion
- Simple, quick and efficient installation
- Optimum load distribution and stability
- Suitable for all common framed solar modules



TRI-STAND FOR CORRUGATED FIBRE CEMENT

This way you easily increase your efficiency

Realize your projects in an unbeatably short time: The smart planning software, the few components and the patented SafeClick assembly enable an extremely quick, safe and simple installation of the PV insertion system TRI-STAND on the roof. The PV modules are easily inserted into the insertion profiles and are held in place by their own weight. Additional fastening of the modules is completely unnecessary.

TRI-STAND is installed in just a few steps

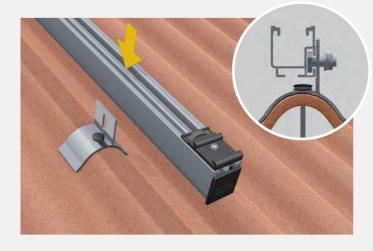


1. Mounting the TS-COR First, mount the TS-COR at the locations provided in

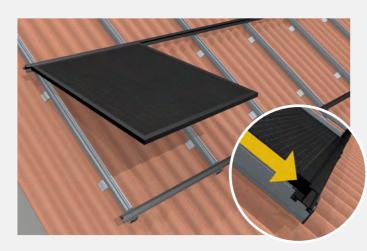
the design plan using the existing roof screws1.



3. Clicking the TS insert profiles into the SafeClick The insertion profiles are clicked into the SafeClick and are floatingly connected to the roof. Damage to the roof and module caused by thermal expansion is thus avoided.



2. Mounting the base profile (UP-X) The pre-assembled profiles are then securely installed on the TS-COR with the M10 hammerhead screw.



4. Inserting the modules into the TS insertion profiles The modules are inserted into the insertion profiles and are held in place by their own weight - there is no need for additional fastening.

THE SYSTEM COMPONENTS

Extremely fast assembly with few components

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TRI-STAND insertion profile Standard

- variants: TS-30/32/35/38/40
- colour selection black / blank
- available in different lengths*

TRI-STAND SafeClick-Torx

• black, item no.: 1502963

blank, item no.: 1502870



TRI-STAND end profile

- variants: TS-30/32/35/40 colour selection black / blank
- available in different lengths*

TRI-STAND



TRI-STAND universal profile UP-X 3,70 m Standard

- blank, item no.: 1503352
- other lengths on request*



TRI-STAND anti-slip device AS, for increased loads**

- substructure part for existing SafeClick, pre-assembled
- item no.: 1503408



- black, item no.: 1503404





Colour key:
black | blank

TRI-STAND universal profile connector UP-CX Standard

- pre-assembled incl. hammer head bolt
- black, item no.: 1503404
- blank, item no.: 1503406



TRI-STAND end bracket TS-E

• black, item no.: 1502307

- blank, item no.: 1502214



TRI-STAND TS-COR, mounting bracket for corrugated fibre cement roof Standard

• item no.: 1503073



insertion profile connector TS-C

• black, item no.: 1502417

blank, item no.: 1502216

Standard

TRI-STAND end cap for UP-X profile



• item no.: 1503185



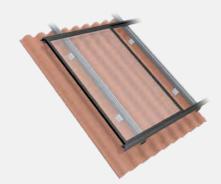


^{**} Point overloads on SafeClicks due to increased snow loads are effectively prevented by the use of TRI-STAND anti-slip protection.

¹New roof bolts may need to be placed in additional positions.

Videos, planning and contact





Simply scan the QR code or visit the following link to get more information about TRI-STAND for corrugated fibre cement, such as installation video, installation instructions and references.

www.tritec-energy.com/en/pv-mounting-systems/welleternit/





Just scan the QR code or visit the following link to watch the training video on our TRI-DESIGN planning software.

https://www.youtube.com/watch?v=S9WGviC8x2I

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Website & online shop www.tritec-energy.com shop.tritec-energy.com





PV systems on standing seam sheet metal.

- Floating rooftop system, therefore no thermal separation necessary
- Low material requirements due to single-layer rail system
- Simple, quick and efficient installation
- Considerable time and thus cost saving
- Optimum load distribution and stability
- Suitable for all common framed solar modules

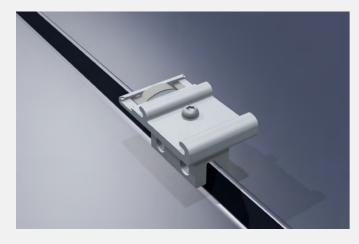


TRI-STAND FOR STANDING SEAM SHEET METAL

This way you easily increase your efficiency

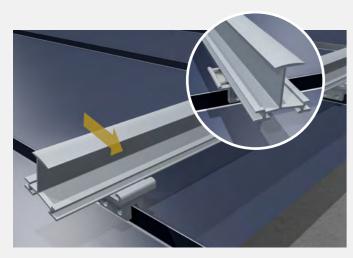
Realize your projects in an unbeatably short time: The smart planning software, the few components and the patented SafeClick assembly enable an extremely quick, safe and simple installation of the PV insertion system TRI-STAND on the roof. The PV modules are easily inserted into the insertion profiles and are held in place by their own weight. Additional fastening of the modules is completely unnecessary.

TRI-STAND is installed in just a few steps

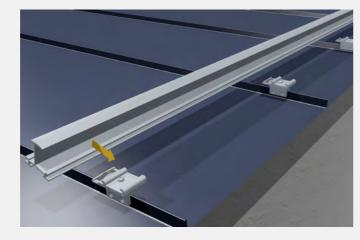


1. Mounting SafeClick

The tried and tested SafeClick is mounted directly on the standing seam, including the M8 standing seam clamp.



3. Clicking the TS insert profiles into the SafeClick The insertion profiles are clicked into the SafeClick and are floatingly connected to the roof. Damage to the roof and module caused by thermal expansion is thus avoided.



2. Place the SafeClicks in a row

Fit the SafeClicks including standing seam clamps in a row, complete assembly and fit the insert profile in place.



4. Inserting the modules into the TS insertion profiles The modules are inserted into the insertion profiles and are held in place by their own weight - there is no need for additional fastening.

THE SYSTEM COMPONENTS

Extremely fast assembly with few components

With TRITEC you have the choice: Many components of the PV insertion system TRI-STAND are available in the colour selection "black" and "blank" (aluminum silver). Completely tailored to your needs: The profiles and variants marked with * are available in different lengths on request.



Standard

- variants: TS-30/32/35/38/40
- colour selection black / blank
- available in different lengths*
- TRI-STAND end profile
 Options

 variants: TS-30/32/35/40
- colour selection black / blank
 available in different lengths*



TRI-STAND double standing seam clamp up to 7 mm

Standard

pre-assembled incl. SafeClickitem no.: 1503183



TRI-STAND insertion profile connector TS-C

black, item no.: 1502417blank, item no.: 1502216



TRI-STAND end bracket TS-E

- Standard

black, item no.: 1502307blank, item no.: 1502214

* Information on lengths and part numbers on request.



Colour key: ● black | ● blank

Videos, planning and contact





Simply scan the QR code or visit the following link to get more information about TRI-STAND for standing seam sheet metal, such as installation video, installation instructions and references.

www.tritec-energy.com/en/pv-mounting-systems/standing-seam-sheet-metal/





Just scan the QR code or visit the following link to watch the training video on our TRI-DESIGN planning software.

https://www.youtube.com/watch?v=S9WGviC8x2I

The optimal mounting solution for every roof

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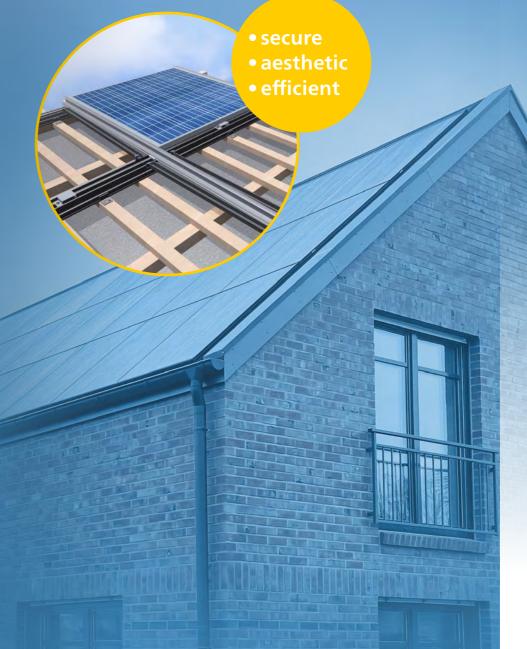
Contact us at info@tritec-energy.com

Website & online shop www.tritec-energy.com shop.tritec-energy.com



TRI-ROOF+

The perfect mounting solution for roof-integrated PV systems.



- Floating in-roof system, thus no thermal separation necessary
- Closed module surface for highest aesthetics
- Special profiles for maximum water impermeability
- Optimum load distribution and stability
- Suitable for all common framed solar modules

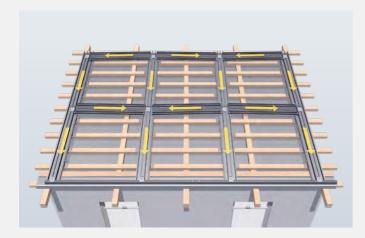


TRI-ROOF+ FOR IN-ROOF

This way you easily increase your efficiency

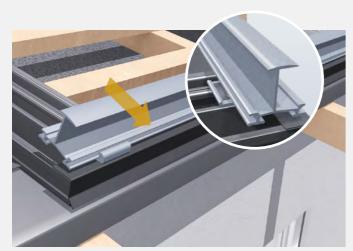
The TRI-ROOF+ in-roof mounting system replaces parts of the roof or the entire roof covering. Thanks to smart planning software and patented SafeClick mounting, the PV in-roof insertion system is extremely safe and easy to install on the roof. The innovative water drainage system ensures safe drainage of rainwater. The PV modules are easily inserted into the insertion profiles and are held in place by their own weight. Additional fastening of the modules is completely unnecessary.

This is how clever TRI-ROOF+ is installed



1. Attach the substructure

The substructure is mounted directly onto the roof battens. The rainwater is safely drained off via the innovative water drainage system.

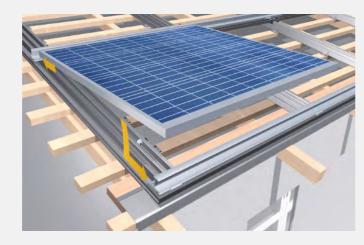


3. Clicking the TS insert profiles into the SafeClick The insertion profiles are clicked into the SafeClick and are floatingly connected to the roof. Damage to the roof and module caused by thermal expansion is thus avoided.



2. Mounting the SafeClicks

The SafeClick elements are screwed onto the IP in-roof profiles at the specified distance on the entire substructure according to the instructions.



4. Inserting the modules into the TS insertion profiles The modules are inserted into the insertion profiles and are held in place by their own weight - there is no need for additional fastening.

SYSTEM COMPONENTS

All components at a glance

With TRITEC you have the choice: Some components for the PV in-roof system TRI-ROOF+ are available in the color selection "black" and "blank" (aluminum silver). Completely tailored to your needs: The profiles and variants marked with * are available in different lengths on request.



TRI-STAND insertion profile Standard

- variants: TS-30/32/35/38/40
- colour selection black / blank
- available in different lengths*

• black, item no.: 1502963

blank, item no.: 1502870



TRI-STAND end profile

- variants: TS-30/32/35/40 • colour selection black / blank
- available in different lengths*

insertion profile connector TS-C

• black, item no.: 1502417

blank, item no.: 1502216

Standard



TRI-ROOF+ in-roof profile IP 3,80 m - Standard

• item no.: 1503174



horizontal rail TR-H 3,50 m

• item no.: 1503187



TRI-STAND end bracket TS-E

• blank, item no.: 1502214

for increased loads** - Standard

black, item no.: 1502307

• substructure part for existing SafeClick, pre-assembled

TRI-STAND anti-slip device AS

• item no.: 1503408



TRI-ROOF+ end plate below AU

item no.: 1502931



TRI-ROOF+ mounting clip TR-C

item no.: 1502544

TRI-STAND



TRI-ROOF+ IP profile connector IP-C

item no.: 1502929



TRI-ROOF+ end support TR-E+

item no.: 1503031



TRI-ROOF+ centre support TR-M

• item no.: 1502667



item no.: 1502668



TRI-ROOF+ flat connector

item no.: 1502308



TRI-ROOF+ drip tray TR-H

• item no.: 1502965



TRI-ROOF+ in-roof profile holder IP-U

• item no.: 1502930

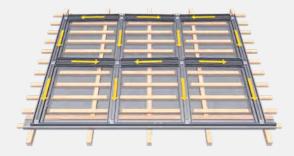
Colour key: ● black | ● blank

^{*} Information on lengths and part numbers on request.

^{**} Point overloads on SafeClicks due to increased snow loads are effectively prevented by the use of TRI-STAND anti-slip protection.

Videos, planning and contact





Simply scan the QR code or visit the following the following link for more information about TRI-ROOF+, such as installation video, mounting instructions and references.

www.tritec-energy.com/en/pv-mounting-systems/tri-roof/





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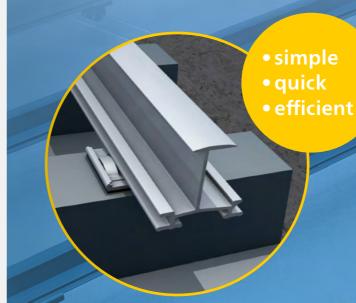
Contact us at info@tritec-energy.com

Website & online shop www.tritec-energy.com shop.tritec-energy.com



TRI-STAND INSERTION PROFILES

Versatile solutions for PV projects.



- Profiles are floating, therefore no thermal separation necessary
- No stresses on the module or rail system due to thermal expansion
- Simple, quick and efficient installation
- Optimum load distribution and stability
- Suitable for all common framed solar modules

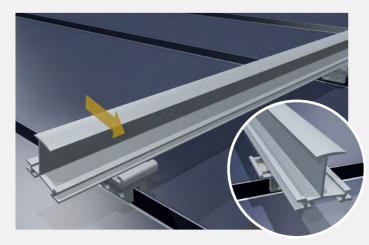


TRI-STAND INSERTION PROFILES

Versatile solutions and technical excellence for PV projects

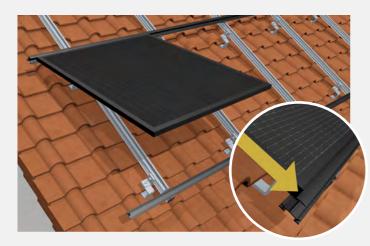
TRI-STAND insert profiles are specially designed to meet the highest requirements of your photovoltaic projects. They are characterized by excellent corrosion resistance and remarkable durability. High-quality material properties ensure long-term investment security and reliable performance over the entire service life of the application.

Advantages of TRI-STAND insertion profiles



Quick installation

The insertion profiles are clicked into the SafeClick and are floatingly connected to the roof. Damage to the roof and module caused by caused by thermal expansion are thus avoided.



Secure installation

The modules are inserted into the insertion profiles to save time and are held in place thanks to their own weight - there is no need for additional fastening.



Simple connection

The insertion profiles are connected in the centre using the TS-C connectors and fixed in place with a grub screw to allow thermal expansion of the TS profiles.



Simple removal

If necessary, the TRI-STAND insert profiles can be easily removed by pressing down the spring on the SafeClick using the TS bending tool+.

THE PROFIL VARIANTS

Flexibility for a wide range of requirements

Optimally tailored to your requirements: With TRITEC, you benefit from a comprehensive product range that has been specially developed for different snow and wind load zones**. The profiles and variants marked with * are available in different lengths on request. The TRI-STAND insert profiles are also available in the colours 'black' and 'blank' (aluminium silver).

TRI-STAND insertion profile

The insertion profile for standardised snow and wind power zones.



TRI-STAND insertion profile, black

variants: TS-30/32/35/38/40

available in different lengths*



TRI-STAND insertion profile, blank

• variants: TS-30/32/35/38/40

available in different lengths³

and wind force zones.

TRI-STAND insertion profile light, black

TRI-STAND insertion profile light

The insertion profile for low snow

• variants: TS-30/32/35/38/40

available in different lengths*



TRI-STAND insertion profile light, blank

• variants: TS-30/32/35/38/40 available in different lengths* TRI-STAND insertion profile alpine The insertion profile for elevated snow and wind force zones.



TRI-STAND insertion profile alpine, black

• variants: TS-30/32/35/38/40 • available in different lengths*



TRI-STAND insertion profile alpine, blank

• variants: TS-30/32/35/38/40

available in different lengths*





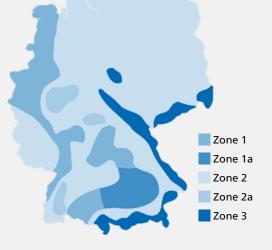
TRI-STAND end profile, black

• variants: TS-30/32/35/40 • available in different lengths*



TRI-STAND end profile, blank

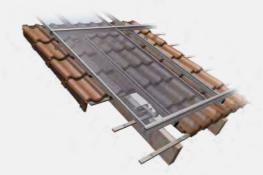
• variants: TS-30/32/35/40 • available in different lengths*



- * Information on lengths and article numbers on request.
- ** The wind and snow load zone according to which the system is designed can be determined for each location.

Videos, planning and contact





Simply scan the QR code or visit the following the following link for more information about our PV mounting systems.

https://www.tritec-energy.com/en/pv-mounting-systems/





Just scan the QR code or visit the following link to watch the training video on our TRI-DESIGN planning software.

https://www.youtube.com/watch?v=S9WGviC8x2I

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Website & online shop www.tritec-energy.com shop.tritec-energy.com



TRI-CLIP

The economical clamping system for PV systems on tiled roofs.



- Cost-effective, economical on-roof system
- Statically tested for wind and snow loads
- Suitable for all common framed solar modules

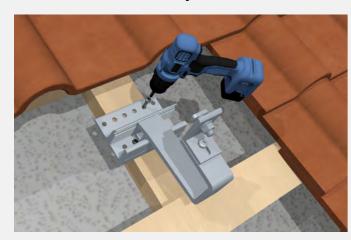


TRI-CLIP

Classic mounting system at a low price

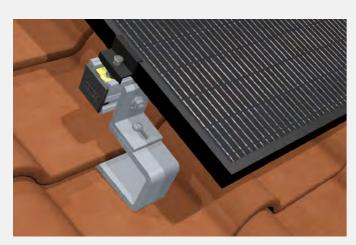
Realize your projects enormously cost-efficient: Thanks to smart planning software and reliable components, the on-roof clamping system TRI-CLIP is safely installed on the tiled roof. The PV clamping system is the economical and safe solution for many applications - from single-family homes to large commercial PV systems.

TRI-CLIP is installed so easily

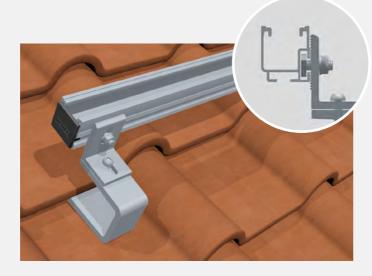


1. Mounting the roof hook

After checking the substructure of the roof for its point load bearing capacity, the roof hooks are mounted according to the design plan.



3. Fix modules with TRI-CLIP The end and middle clamps are attached and tightened to profiles and modules according to



2. Mounting the base profile (UP-X)

The pre-assembled profiles are then securely installed on the roof hooks with the M10 hammerhead screw.

THE SYSTEM COMPONENTS

Easy assembly with high quality components

With TRITEC you have the choice: Some components for TRI-CLIP are available in the color selection "black" and "blank" (aluminum silver). Completely tailored to your needs: The profiles and variants marked with * are available in different lengths on request.



TRI-STAND universal profile UP-X 3,70 m

- black, item no.: 1503404 • blank, item no.: 1503352
- other lengths on request*



Standard

TRI-STAND roof hook PRO

• item no.: 1503402



TRI-STAND universal profile connector UP-CX Standard

- pre-assembled incl. hammer head bolt
- black, item no.: 1503404 • blank, item no.: 1503406



TRI-STAND end cap for UP-X profile

• item no.: 1503185



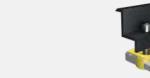
TRI-STAND roof hook PRO PLUS

• item no.: 1503403



TRI-CLIP middle clamp 30-40 mm Standard

• black, item no.: 1503099 • blank, item no.: 1503081

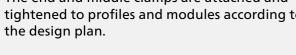


TRI-CLIP end clamp



Colour key: ● black | ● blank

- black 30 mm, item no.: 1503143
- black 35 mm, item no.: 1503100 • black 40 mm, item no.: 1503101
- blank 30 mm, item no.: 1503142
- blank 35 mm, item no.: 1503082
- blank 40 mm, item no.: 1503083

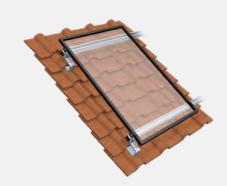


* Information on lengths and part numbers on request.



Videos, planning and contact





Simply scan the QR code or visit the following link to get more information about TRI-CLIP clamping system.

www.tritec-energy.com/en/pv-mounting-systems/tri-clip/





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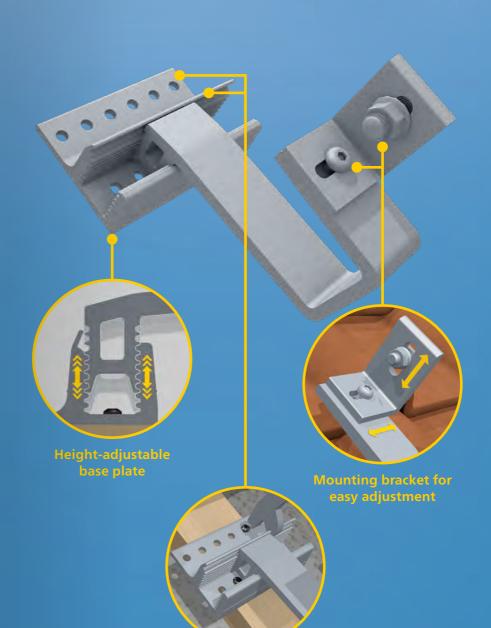
Contact us at info@tritec-energy.com

Website & online shop www.tritec-energy.com shop.tritec-energy.com

TRITEC ENERGY FOR A BETTER WORLD

TRI-STAND ROOF HOOK PRO

The versatile, robust and convenient component for PV mounting systems.



- Mounting bracket with two slotted holes for easy adjustment
- Height-adjustable base plate can be adjusted in 5 mm steps
- 120 mm wide base plate with several connection options
- Quick positioning and fixing of the bracket
- Load capacity of up to 140 kg and 200 kg for maximum snow loads
- Horizontal and vertical rail connection possible

ROOF HOOKS FOR PITCHED ROOFS

How to increase your efficiency with ease

The PRO roof hook impresses with its sophisticated design and versatile application options, making it the ideal solution for demanding installation situations. The wide and height-adjustable base plate offers variable connection options, while the integrated mounting bracket enables precise vertical and horizontal rail connections. This makes the PRO roof hook a flexible tool for both TRITEC insertion systems and clamping systems.

Roof hook PRO - the ideal solution for PV systems



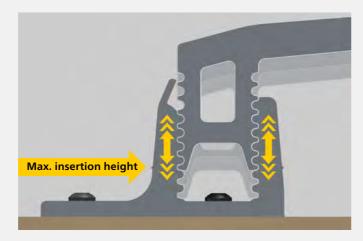
Variable connection options

With a 120 mm wide base plate and variable connection options, the roof hook offers maximum flexibility when positioning on the rafter.



Simple adjustment

The mounting bracket has two slotted holes that enable precise and uncomplicated adjustment in horizontal and vertical directions on the profile surface. This ensures exact alignment and improves installation accuracy.



Height-adjustable and adaptable

The height-adjustable base plate enables precise adjustment in 5 mm increments to batten thicknesses of 30, 35 and to a maximum of 40 mm and ensures optimum integration.



Quick and easy fixing

The bracket is attached to the panel simply and efficiently by bending it with the bending tool+. This method enables time-saving and precise installation.

THE SYSTEM COMPONENTS

Easy assembly with high quality components

The TRI-STAND roof hook PRO is supplied pre-assembled with a mounting bracket and enables flexible horizontal and vertical rail connection. It can be used in both the TRI-STAND insertion system and the TRI-CLIP clamping system. With a load capacity of up to 140 kg, this roof hook is specially designed for high snow loads. The PRO PLUS roof hook variant, which supports loads of up to 200 kg, is available for applications requiring the highest loads.



TRI-STAND roof hook PRO

- Load capacity up to 140 kg
- Item no.: 1503402



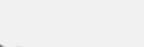
TRI-STAND roof hook PRO PLUS

- Load capacity up to 200 kg
- Item no.: 1503403



TRI-STAND bending tool+

• Item no.: 1502935

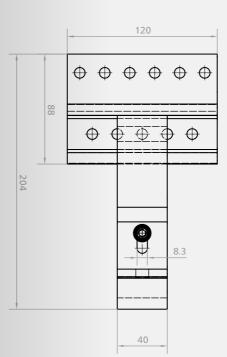


TRI-STAND hammer head bolt M10x30 A2, with locking nut

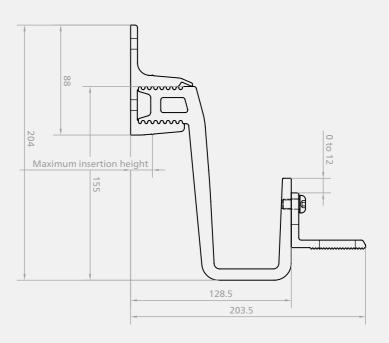
Colour key: ● black | ● blank

- Screw, Item no.: 1502255
- Locking nut, Item no.: 1502254

Roof hook PRO supervision



Roof hook PRO side view



Videos, planning and contact





Simply scan the QR code or visit the following link for more information about the PRO roof hook.

https://www.tritec-energy.com/en/pv-mounting-systems/ roof-hooks-photovoltaics/





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VARIANTS OF EARTHING SYSTEMS

How to ensure efficient safety

An effective earthing system is essential for the safety of photovoltaic systems on pitched roofs. Our TRI-STAND earthing components offer a reliable solution that has been specially developed for the requirements of mounting solar modules. Thanks to high-quality materials and robust construction, they guarantee the necessary safety and durability under various conditions.

Earthing systems for different variants



Earthing of UP/IP base rails

The TS earthing terminals are installed in series on the base rails, close to the lowest insertion profile. The round wire is inserted securely into the TS earthing terminals and then screwed in place. The UNI earthing terminal is mounted directly on the earthing wire to ensure a reliable connection.



Earthing single-layer systems

The TS earthing clamps or TS earthing sets 4 are mounted in series at the end of each profile section. The round wire is inserted into the TS earthing clamps or TS earthing sets and then screwed in place. The UNI earthing terminal is mounted directly on the earthing wire to ensure a reliable connection.



Earthing of TS rail joints and vertical profiles The TS earthing set 1 is used to connect all rail joints of the TS insertion profiles to ensure reliable earthing. In addition, TS earthing set 3 is used to create a secure connection between the TS rail sections and the vertical profiles.



Earthing of IP rail joints of the in-roof system The base profiles of the TRI-ROOF+ in-roof system are securely connected at each joint connection with the TS earthing set 2 at each joint connection. This ensures a connection between the IP rail strands and ensures both effective earthing and increased protection.

THE EARTHING COMPONENTS

Safe and quick installation with few components

TRITEC earthing systems for single-layer and double-layer PV systems are suitable for various roof types and ensure reliable earthing with just a few components. The use of high-quality materials and a well thought-out design ensure compliance with current safety standards and minimise the risk of electrical faults.

Earthing components for 2-layer PV insertion systems



Aluminium round wire

- Item no.: 1350051
- 1x per PV surface horizontally



TS earthing set 1 (TS rail joint connection)

- Item no.: 1350020
- 1x per horizontal rail step



TS earthing terminal for UP- and IP base rail

- Item no.: 1350052
- 1x per vertical profile strand



Earthing terminal UNI

- Item no.: 1350062
- 1x per PV area



TS earthing set 2 (connection IP rail joint for in-roof)**

- Item no.: 1350021
- 1x per vertical rail step



TS earthing set 3 (connection TS rail track with vertical profile)**

- Item no.: 1350022
- 1x per horizontal track section

Earthing components for 1-layer PV insertion systems



Aluminium round wire

- Item no.: 1350051
- 1x per PV surface installed vertically



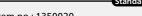
- 1x per PV area



- Item no.: 1350062



- Item no.: 1350020
- TS earthing set 1 (TS rail joint connection)



- 1x per horizontal rail step



- Item no.: 1350053
- 1x per TS track

Earthing components for 1-layer PV clamping systems



- Item no.: 1350051
- 1x per PV surface installed vertically



TS earthing terminal for UP- and IP base rail³

- Item no.: 1350052
- 1x per vertical profile strand



Earthing terminal UNI

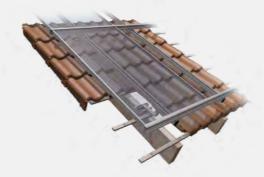
- Item no.: 1350062
- 1x per PV area

^{*} For anodised profiles, it may be necessary to remove the anodised layer at the contact points to ensure electrical conductivity.

^{**} The following accessories from the regular range are required for fastening: Hammer head screws and lock nuts.

Videos, planning and contact





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MOUNTING SOLUTIONS

Trust in our experience

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Energy for a better future

As an owner-managed company, we take our responsibility for the environment and sustainable energy very seriously. Since the foundation of TRITEC, we have seen ourselves as pioneers and problem solvers out of conviction. We guarantee our partners sustainable quality and secure yields from the smallest to the largest solar power plant. Not least because of this, we can look back on solid and lasting relationships with our customers and our employees. TRITEC trains and certifies specialist partners within the framework of training courses and other events.

Always close to our customers - no matter where TRITEC is represented in Europe, North and South America. This ensures that you always reach the right contact person.





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