



IBC Mounting Systems

System solutions for all application areas



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By using IBC Mounting Systems, you will find that our carefully designed components guarantee the simple, swift and cheap installation of all common solar modules. With high-quality elements that combine to deliver a sophisticated and well-established modular system, you will be able to quickly and efficiently meet the needs of your customers. You can install solar systems wherever you want - on all types of roofs, facades and in open spaces. IBC Mounting Systems will successfully cover all applications, as they comprise top grade individual components and specially commissioned complete assembly systems based on our customers' unique specifications.

With time being a key factor, our clear and concise instructions will easily guide you through the entire mount installation process. And with regard to the end product, the use of premium materials such as stainless steel and aluminium guarantee the highest quality. This also fits in with our company philosophy of ensuring total safety with regard to all of our products.

And the future? Every new development will be compatible with your framework, which is a distinct advantage for both you and your customers.

With IBC Mounting Systems, you can build flexibly on a solid foundation.

Flat roof

Fast or faster? A flat roof can be quickly fitted with a solar system, using the standard support system or the even more efficient Con-Sole assembly system.





Slanting roof

No slope angle is too steep, no material unworkable: with IBC Mounting Systems you can safely attach solar modules to any slanting roof.



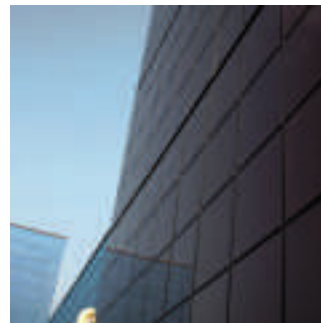
Roof integration

Sophisticated: the harmonious integration of a system into a roof – also ideal for roof refurbishment.



Awning

Unusual: special brackets can be used to mount solar modules effectively, even in unconventional places (source: HDCV Waarloos).



Façade

Construction design: At IBC, we have embraced the challenge of developing attachment systems, with form and solar function harmonising to provide an aesthetic façade design.



Open space

Unlimited solar energy: IBC develops tailor-made and cost effective concepts for mounting systems in all open spaces.

The solution for all slanting roofs

IBC standard mount

At IBC, our many years of experience, have seen us produce standard mounts that can be universally used on all slanting roofs suitable for the installation of all framed solar modules. Both the single and double layer mounting systems can easily be extended, ensuring an excellent basis for future development. Our clear and detailed assembly instructions will mean that installation time is minimised.

The attractive appearance of the homogenous module surface demonstrates IBC's unique ability in successfully combining both safety and elegance. In keeping with this philosophy, the mounts can also be finished in all RAL colours.



Elegant surface appearance due to homogeneous modules.

How you will benefit:

- modular system ensures low system costs – quick and easy to assemble
- wide spectrum of applications due to the many assembly components
- high-quality materials such as stainless steel and aluminium ensure low system costs
- maintenance-friendly due to easy exchange of individual components
- individual adaptation possible through finishing in all RAL colours
- static load documentation for system components based on DIN 1055 part 5 and DIN 1052 parts 1 and 2



Bearer profiles and assembly components for a secure attachment

Bearer profiles



Type 39-o (without cable channel)

Type 39-m (with cable channel)

Assembly components



Roof hook "STANDARD II"

The norm: "Standard II" will attach your solar system to all common pantile types.

Roof hook "Mammut II"

For increased load: higher static load values ensure that the entire system will remain fully functional, even under conditions of heavy snow.

Slate roof hook

A special case: this type of roof requires a special roof hook.

Plain tile roof hook

For cases of plain tile roofs, our special roof hooks are used to successfully attach solar systems.

Hanger bolt M 12 x 300 A2

For balance: the thread of the hanger bolt eliminates height differences with roofs covered in corrugated eternit, trapezoidal sheet, metal and bitumen. In such cases, it acts as a substitute for the conventional roof hook.

Metal seam clamp

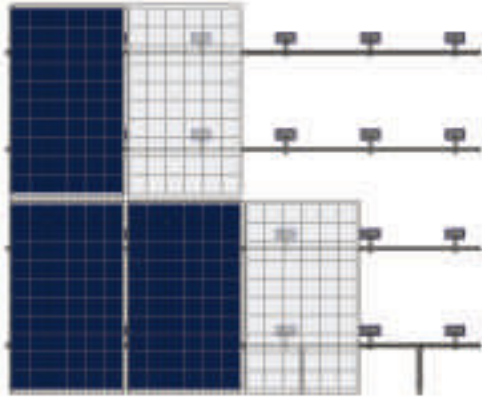
This is appropriate in cases where roof hooks do not work. Effective for all standing seam roofs, clamps with bearer profiles are used to mount the solar system.

Kalzip® clamps

For a special surface: Kalzip® clamps are used to mount any solar system to a "Kalzip" roof.

A compatible module system

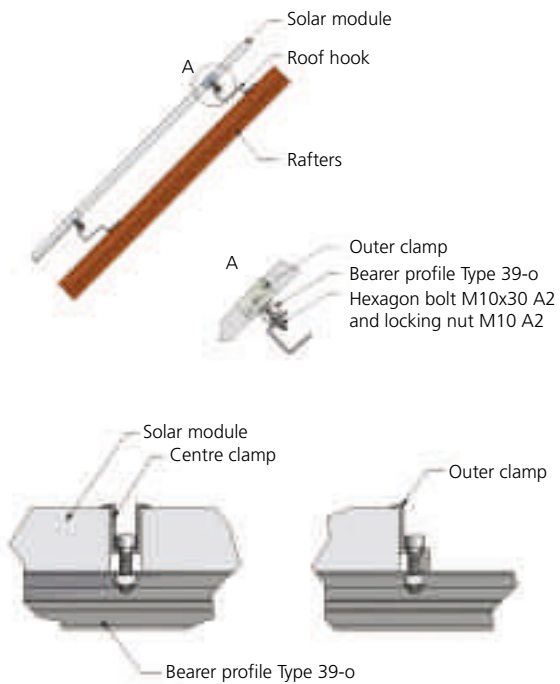
Standard mount, single-layer



An installed IBC MEGALINE STANDARD slanting roof mount.

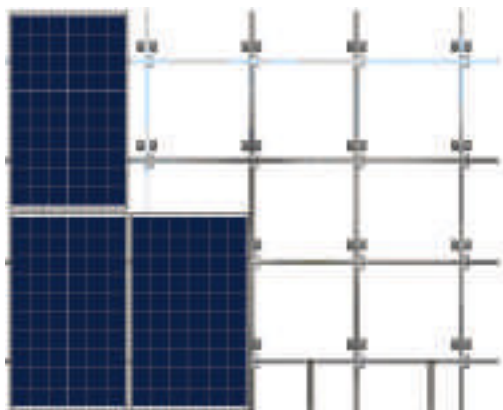
How you will benefit:

- limited number of components means fast installation
- minimum use of materials
- cost effective solution
- structurally tested for safety, even under heavy snow conditions
- universally applicable as it is entirely compatible with IBC standard support (for flat roof construction)



An installed IBC MEGALINE STANDARD pitched roof mounting structure.

Standard mount, double-layer



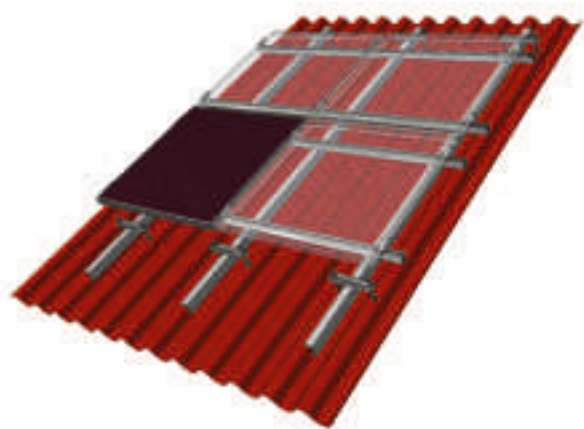
An IBC MEGALINE STANDARD slanting roof mount, double-layer.

How you will benefit:

- continuously variable clamping area guarantees high flexibility
- minimum storage due to standardised components
- optimum module clamping according to manufacturer specifications
- even large gaps can be successfully bridged
- suitable for all trapezoidal and corrugated eternit roofs



Unique case: a double-layer IBC MEGALINE STANDARD slanting roof mount being installed on a trapezoidal roof.

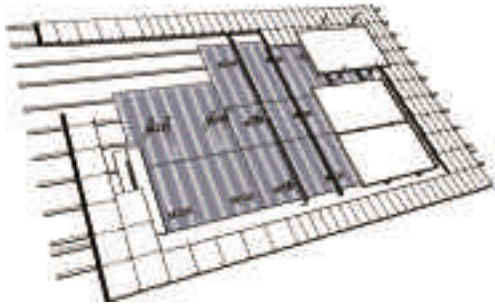


A double-layer IBC MEGALINE STANDARD slanting roof mount on a corrugated eternit roof.

The solution for all slanting roofs

The solution for roof integration

InterSole



InterSole roof integration – installation overview.



Example of an InterSole installation.

How you will benefit:

- elegantly integrated surface appearance
- quick and easy installation means low system costs
- TÜV certified
- made from 100% chlorine-free, recycled high density polyethylene
- material-related static load analysis on request



This InterSole installation clearly demonstrates how the solar system can be harmoniously integrated into the roof. It is suitable for slanting roofs with a slope angle ranging from 20° to 75°.

Solutions for flat roofs

ConSole



Fast, flexible and uncomplicated: assembly of the ConSole 4.2.

How you will benefit:

- versatility means that they can be used for various different module types
- fast assembly ensures low costs (on-site filling)
- high quality materials make it durable and maintenance-free
- low transportation costs as components can be stacked
- TÜV certified and tested for static load
- made from 100% chlorine-free, recycled synthetics

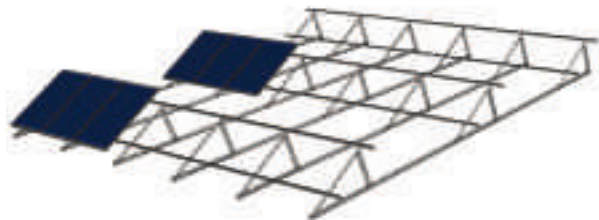
Standard support 1000/1450



Standard support 1000 with KANEKA K60.

How you will benefit:

- the many assembly components enable a wide range of applications
- low system costs due to quick and easy installation
- high-quality materials such as stainless steel and aluminium guarantee long lifespan
- static load documentation for system components
Standard support 1000 based on DIN 1055 part 5 and DIN 1052 parts 1 and 2



Assembly example: standard support 1450 with continuous base track.

Standard support 1000 suitable for:	Module heights up to 1 m and for horizontal module assembly
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Standard support 1450 suitable for:	Module heights up to 1.7 m
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Slope angle:	10°...45° in 5° steps (special designs on request)
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The solution for all tracking systems

Follow the sun to achieve maximum results from minimum input.

Our environmentally friendly tracking systems allow solar modules to follow the sun. By installing one of our tracking systems, you will be able to optimise energy efficiency by up to 45% (depending on the type used). And you can achieve this with minimal effort - only a small number of components are required for this type of system, meaning installation will take no time at all! By choosing IBC Solar, you will find that our premium quality components result in very low follow-up costs. And remember that tracking systems are maintenance-free and can ultimately be completely recycled.

DIN 1055-4 and DIN 1056 guarantee safety in terms of structural reliability.

Single-axial tracking



How you will benefit:

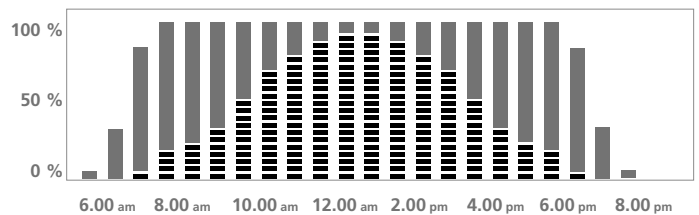
- you can achieve up to 30% greater efficiency with single-axis tracking as compared to fixed systems
- suitable for module areas up to 6.1 m²
- suitable for all commonly available modules
- suitable for flat roofs, open spaces, waste sites, facades

Dual-axial tracking



How you will benefit:

- you can achieve up to 45% greater efficiency with dual-axis tracking as compared to fixed systems
- maximum energy efficiency possible during daylight hours due to autonomous brightness detection even in cloudy weather, rain and fog
- suitable for module areas between 3 and 40 m²



Performance diagram demonstrating the example of a sunny summer's day.

■ fixed ■ DEGERtraker

The solution for open spaces



The larger the space, the higher the yield. This applies equally to farming as it does to solar systems in open spaces. Here, solar systems can be installed extremely quickly, simply and low investment costs combined with high efficiency means you could own a very positive asset.

How you will benefit:

- low investment costs – highly cost effective
- no foundation work required
- extremely durable
- fast installation



A positive asset all round

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Solar technology with a system

Since 1982, IBC Solar have specialised in producing electricity out of sunlight. As one of the world's leading system providers, we deliver a complete range of solar electric technology services.

By choosing IBC, you will find that our system technology is of the very highest quality, ensuring guaranteed high performance, exceptional design and maximum yield.

Consultation



Conceptualisation

Distribution

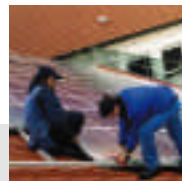


Realisation



Project engineering

Realisation



Service



Monitoring

Service

