



Mounting Systems

ISSUE 7

POWER OF NATURE, SUPREMACY OF KNOWLEDGE



HERMI[®] 

The Hermi company is renowned as a high-tech business both in Slovenia and abroad, which has built its standing with the highest quality of products and solutions for comprehensive external and internal protection against the effects of lightning and overvoltage, cable trays and mounting systems for photovoltaics.



Mounting Systems

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AN INNOVATIVE COMPANY WITH ITS OWN MANUFACTURE WITH A FOCUS ON THE CUSTOMER'S NEEDS

We are an innovation-oriented company which through its development and own production of products offers comprehensive customised solutions of the highest quality. The sales programme under the Hermi brand comprises top-quality lightning protection, surge protection, cable trays and mounting systems. The HERMI product range is the result of the company's commitment to development and continuous professional progress. With its long-term vision oriented to customers and business partners, the company strategically develops its innovative offer which stands out for its flexibility and versatility of use. We are proud to offer multiple solutions from our production range at a single point. Hereby, we assure our clients comprehensive expert technical support, timely delivery, and support with technical documentation.



We upgrade our business operations each year. This means that we must be better than the year before. The world keeps turning! And not only our competition is not sleeping, the expectations of our customers also grow each day. Our and also my focus is always to be a step ahead of our customers!

– Miran Rauter, Director



OUR MISSION AND VISION: years-long experience and innovative solutions to satisfy the needs of our customers

We use our knowledge, experiences and innovative ideas to fulfil needs and wishes of our customers for high quality products. Using state-of-the-art technology we develop and produce the protection programme which sets new standards protecting the lives of individuals and their property. Our own innovations help us to adjust the programme of cable trays and cable ladders to individual needs with type-adjusted elements. Our mounting systems programme provides simple assembly to our customers.

Through innovations and expertise we will continue to develop our Hermi trademark which is a result of over thirty years of successful operation. We have achieved a competitive advantage of a comprehensive, external and internal lightning protection and quality and advanced production of cable and mounting systems, and thus we will in particular focus on challenges of internationalisation of our operation. We wish to become a leading provider of external and internal lightning protection, cable trays and cable ladders and own professional solutions, increase our market share in other European countries and focus on countries beyond Europe's borders.

OUR STRATEGY: an innovative, competitive and comprehensive range

We attain the goals and vision of the company through innovative products, a competitive range of products, excellent technical support and efficiency and rapidness of execution. Our advantage is that we are in constant contact with contractors, investors and end-users who are aware of the importance of quality products.

PRODUCTION PROGRAMME AND ACTIVITIES of the Hermi company

Under our own Hermi® brand we provide manufacture, sales and assembly of:



LIGHTNING PROTECTION



SURGE PROTECTION



CABLE TRAYS



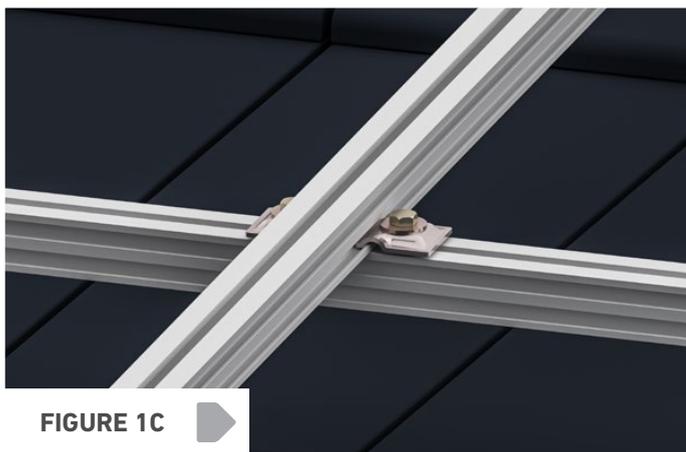
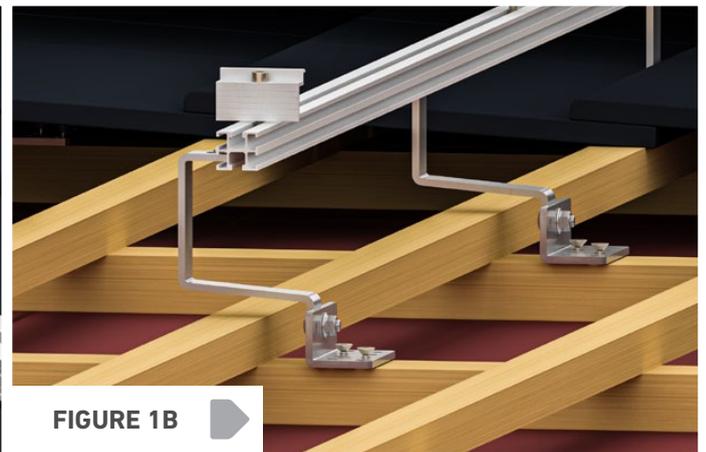
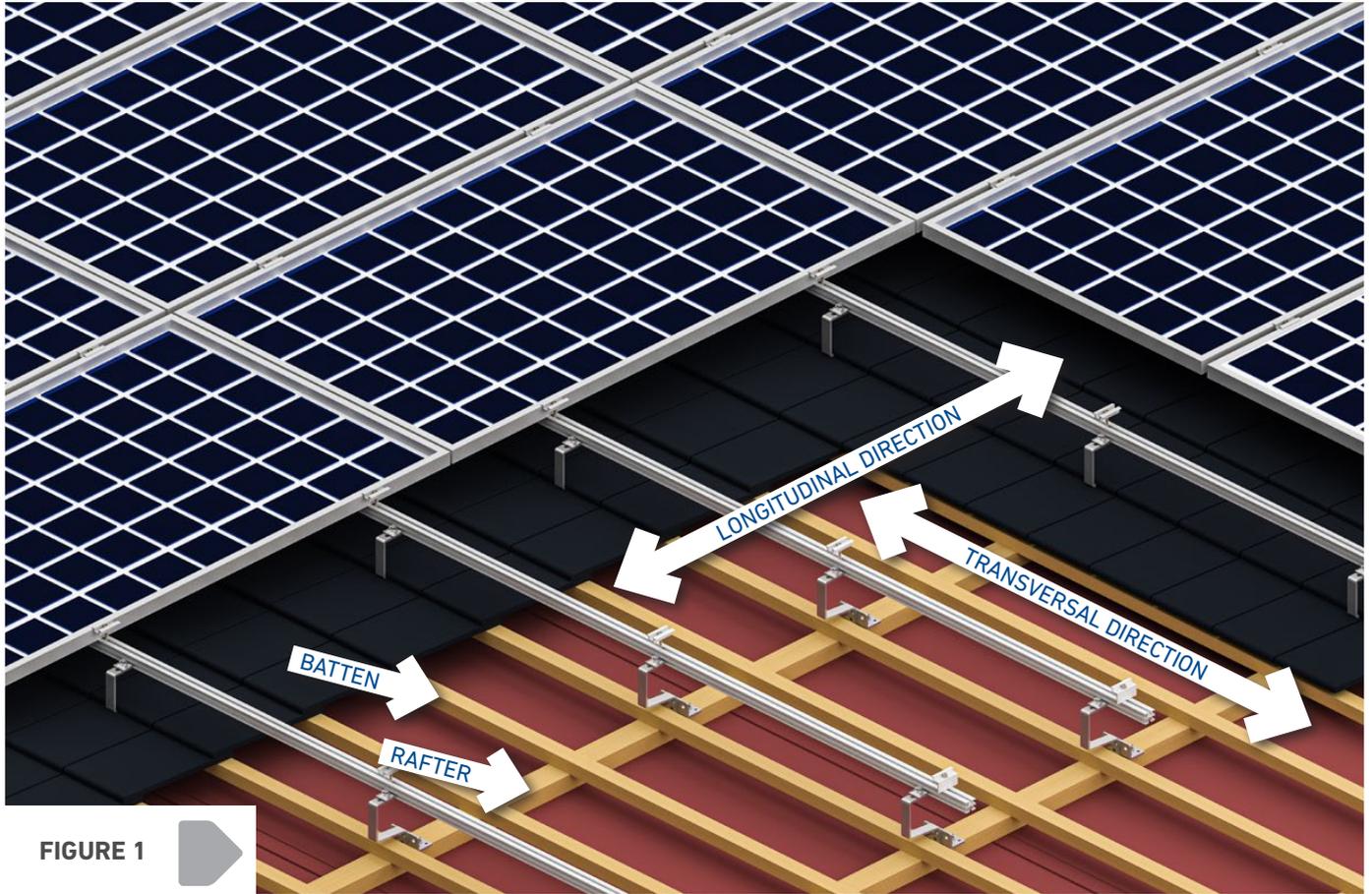
MOUNTING SYSTEMS

We also offer comprehensive expert technical support and consultations.



EXAMPLES OF INSTALLATION

INSTALLATION OF MOUNTING SYSTEMS ON CLAY ROOFING





INSTALLATION OF MOUNTING SYSTEMS ON ROOFS COVERED WITH TRAPEZOIDAL SHEET METAL

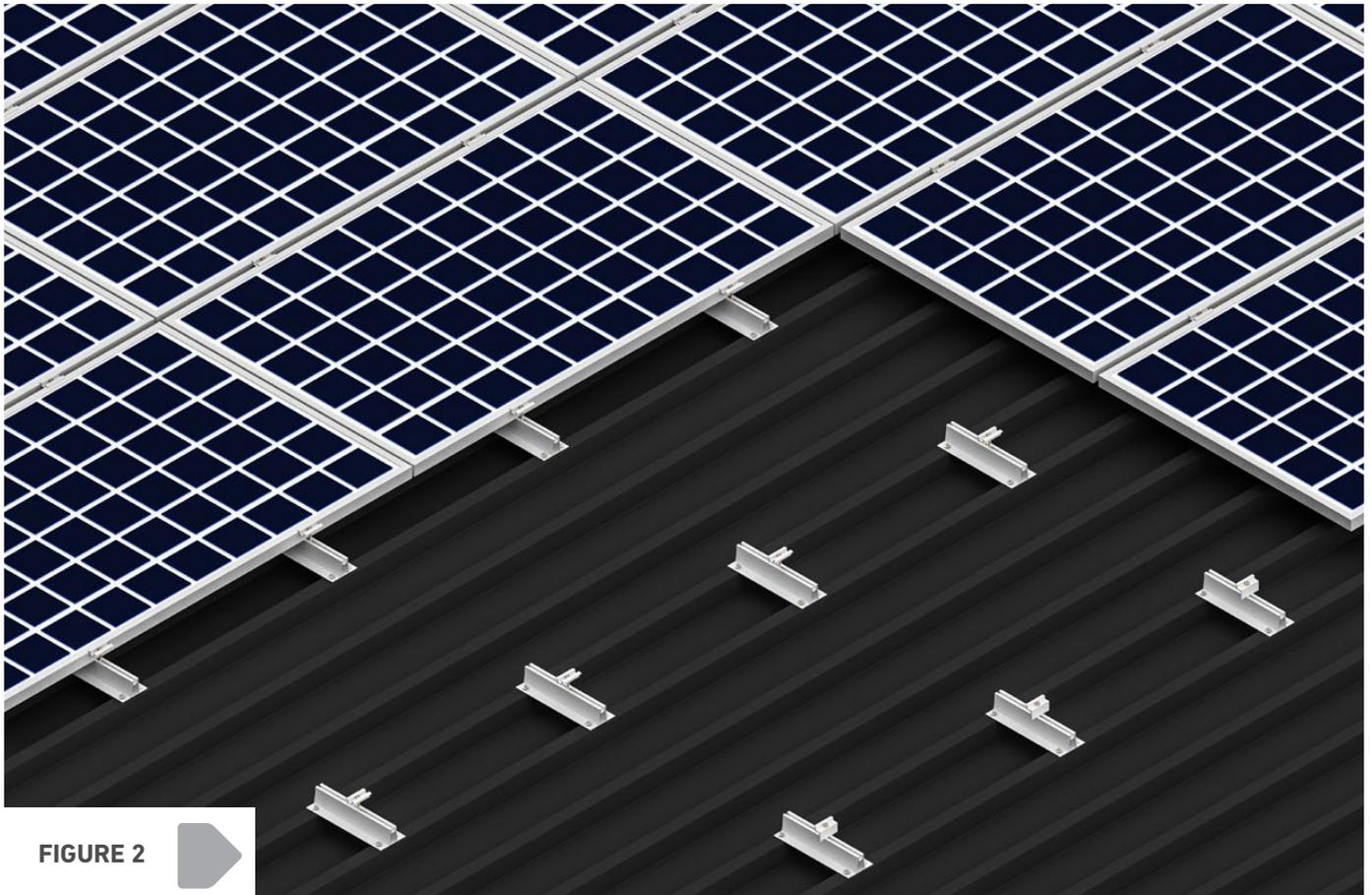


FIGURE 2

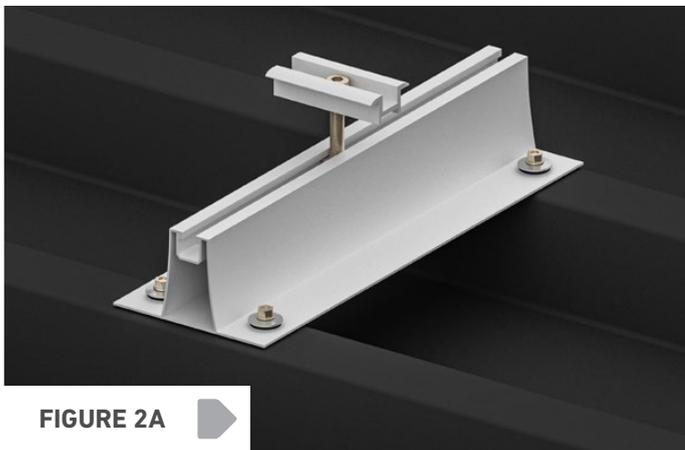


FIGURE 2A

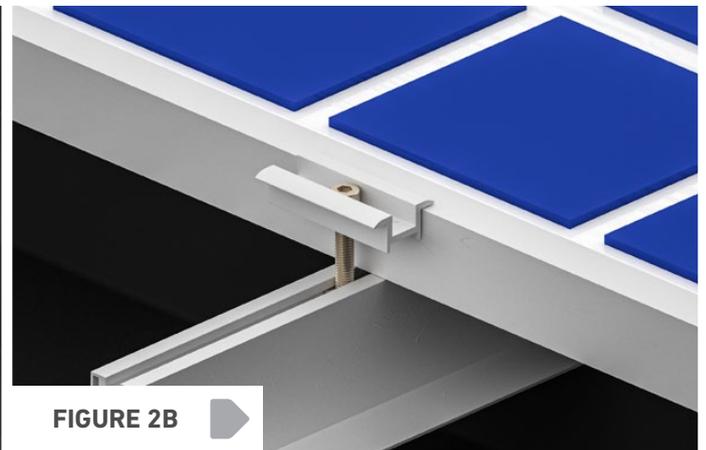


FIGURE 2B



FIGURE 2C

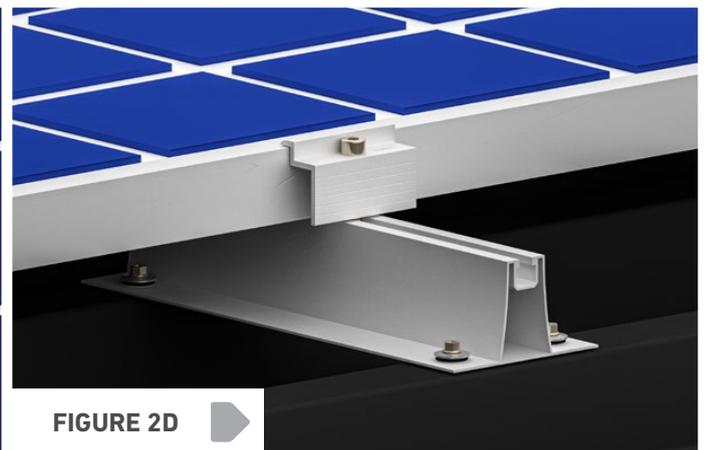


FIGURE 2D



INSTALLATION OF MOUNTING SYSTEMS ON ROOFS COVERED WITH TRAPEZOIDAL SHEET METAL

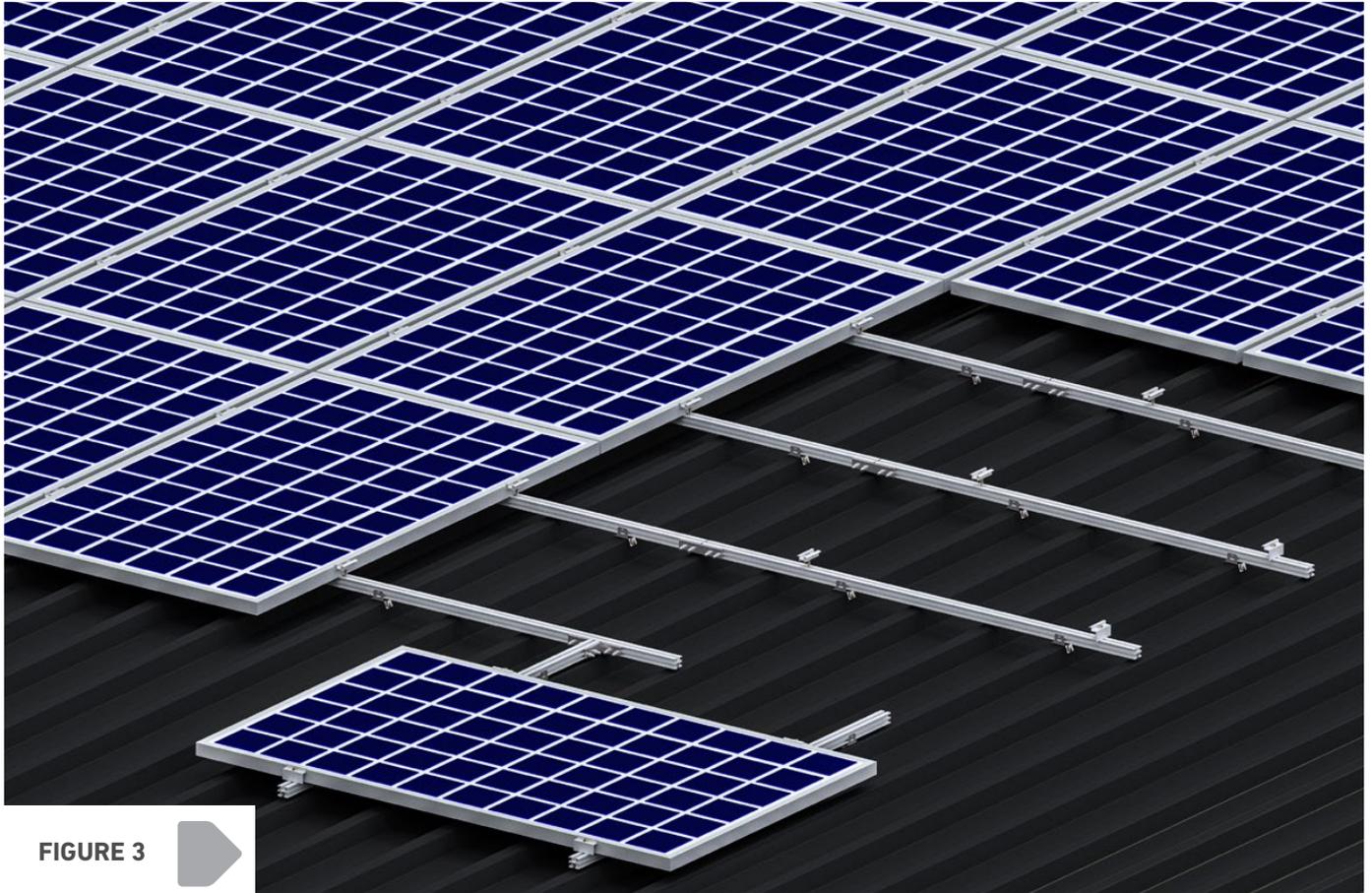


FIGURE 3

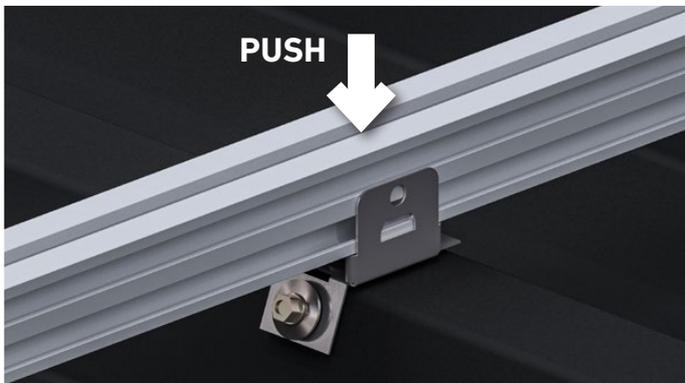


FIGURE 3A

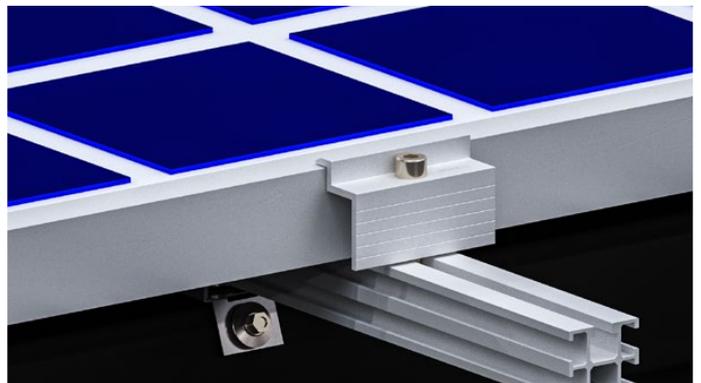


Figure 3B

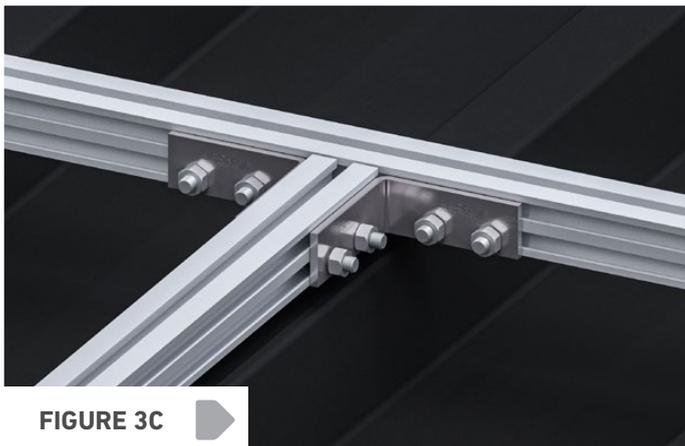


FIGURE 3C

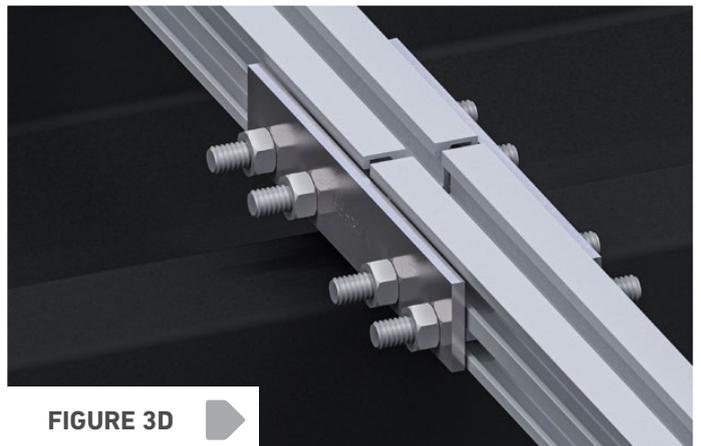
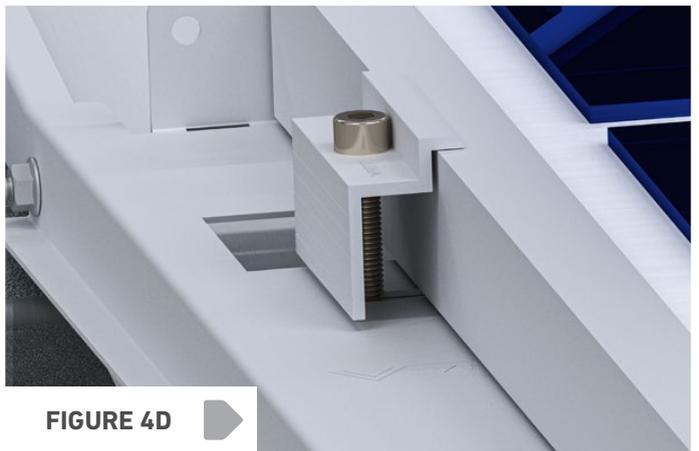


FIGURE 3D



INSTALLATION OF MOUNTING SYSTEMS ON FLAT ROOFS





INSTALLATION OF MOUNTING SYSTEMS ON GROUND WITH CONCRETE BASE

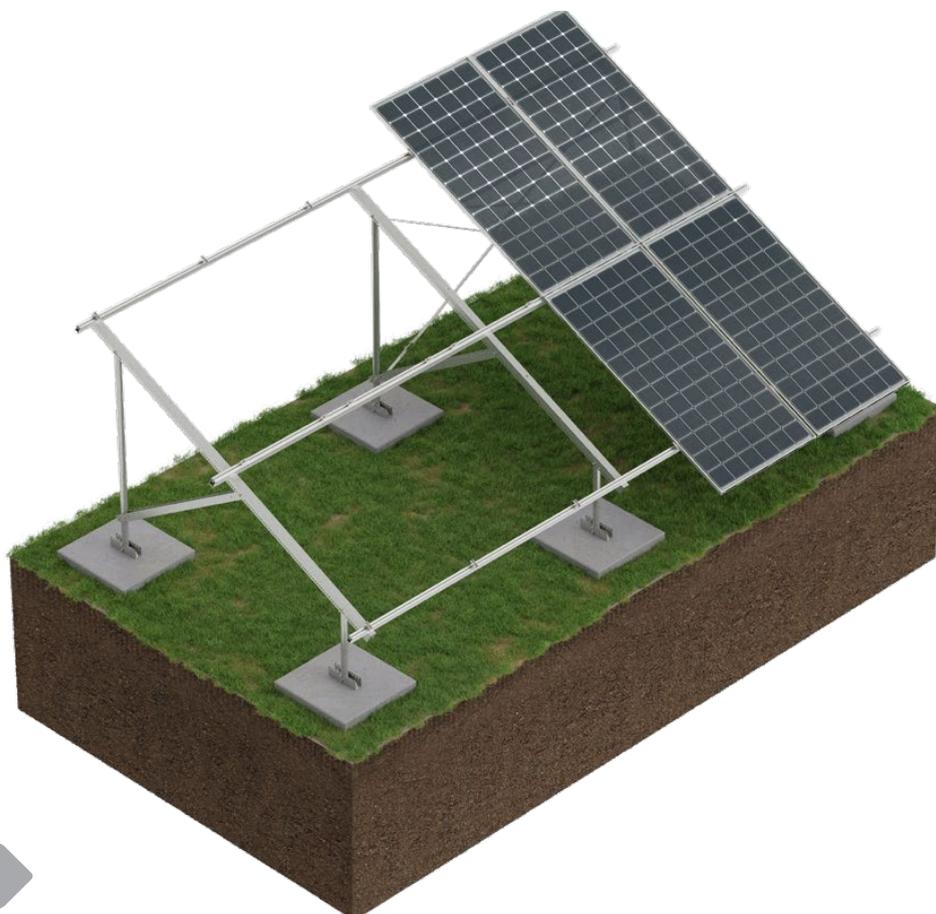


FIGURE 5

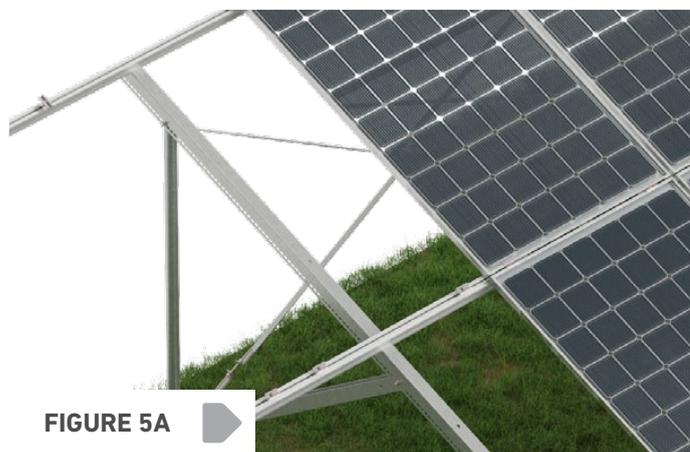


FIGURE 5A

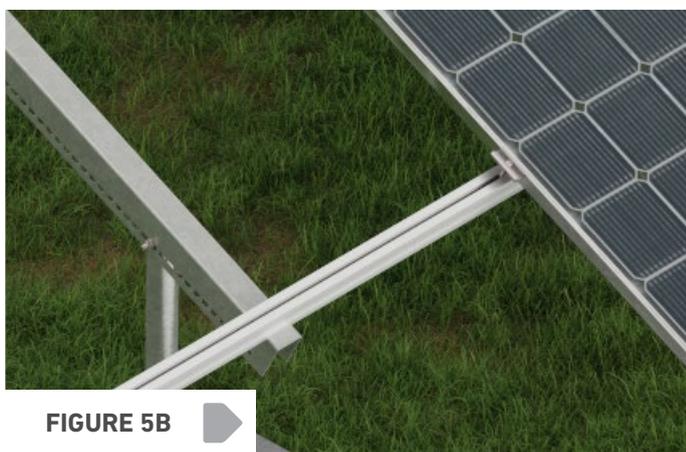


FIGURE 5B



FIGURE 5C

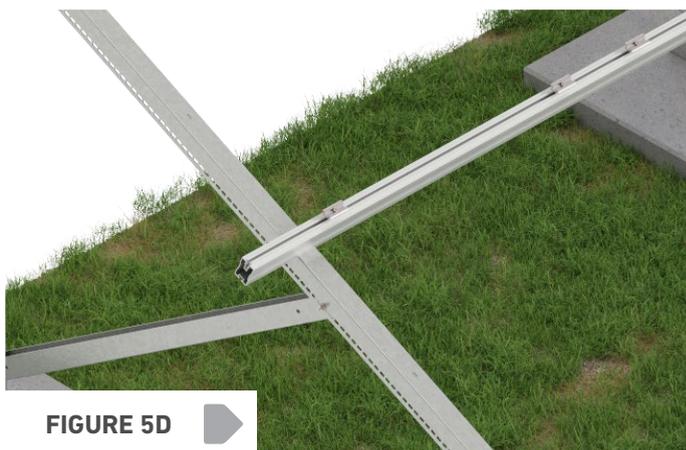


FIGURE 5D



INSTALLATION OF MOUNTING SYSTEMS ON GROUND WITH GROUND SCREWS

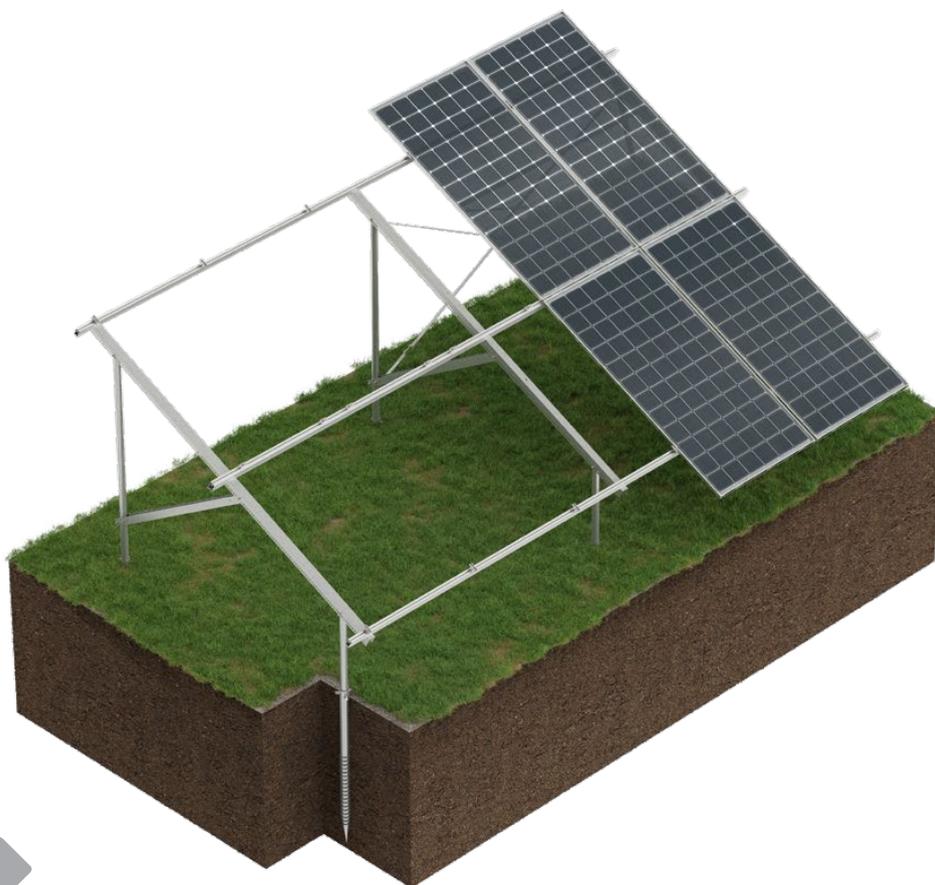


FIGURE 6



FIGURE 6A



FIGURE 6B



FIGURE 6C

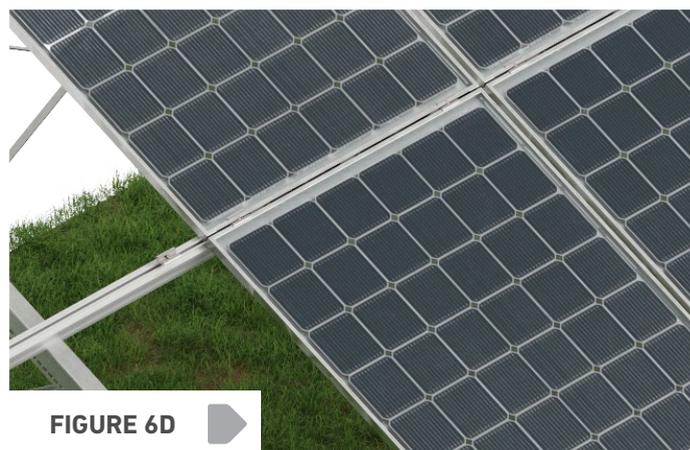


FIGURE 6D





HERMI® MOUNTING SYSTEMS

Mounting systems for solar power plants are intended to provide rapid, simple and effective installation of solar power plant. The sub-structure of a solar power plant encompasses fasteners onto the roof of a building and mounting profiles.

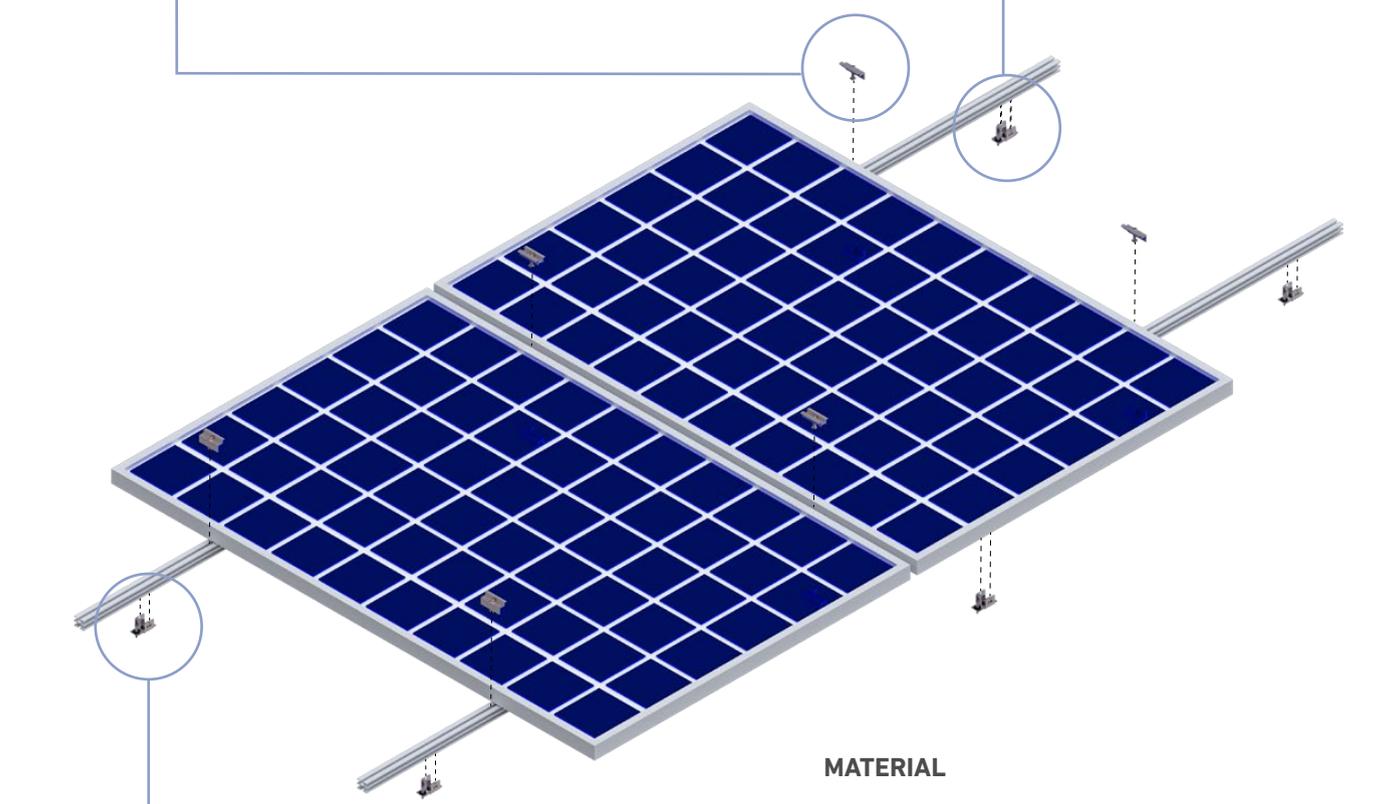
The joining of elements is performed using screw and bolt joints, which make it possible to adapt the sub-structure itself or adapt it to uneven parts of the roof.



SOL-S
CONNECTION
ELEMENTS



SOL-P
MOUNTING
PROFILES



SOL-N
ROOF
FASTENERS

MATERIAL

LABEL	MATERIAL
Rf	stainless steel
Al	aluminium
FeZn	galvanized steel
FeZn-H	hot-dip galvanized sheet metal
Bu	butyl
PE	polyetilen - UV resistant
concrete	concrete



MOUNTING SYSTEMS

Roof fasteners 12

HERMI® roof fasteners are intended for fastening substructures / solar modules onto building roofs.

Mounting profiles 22

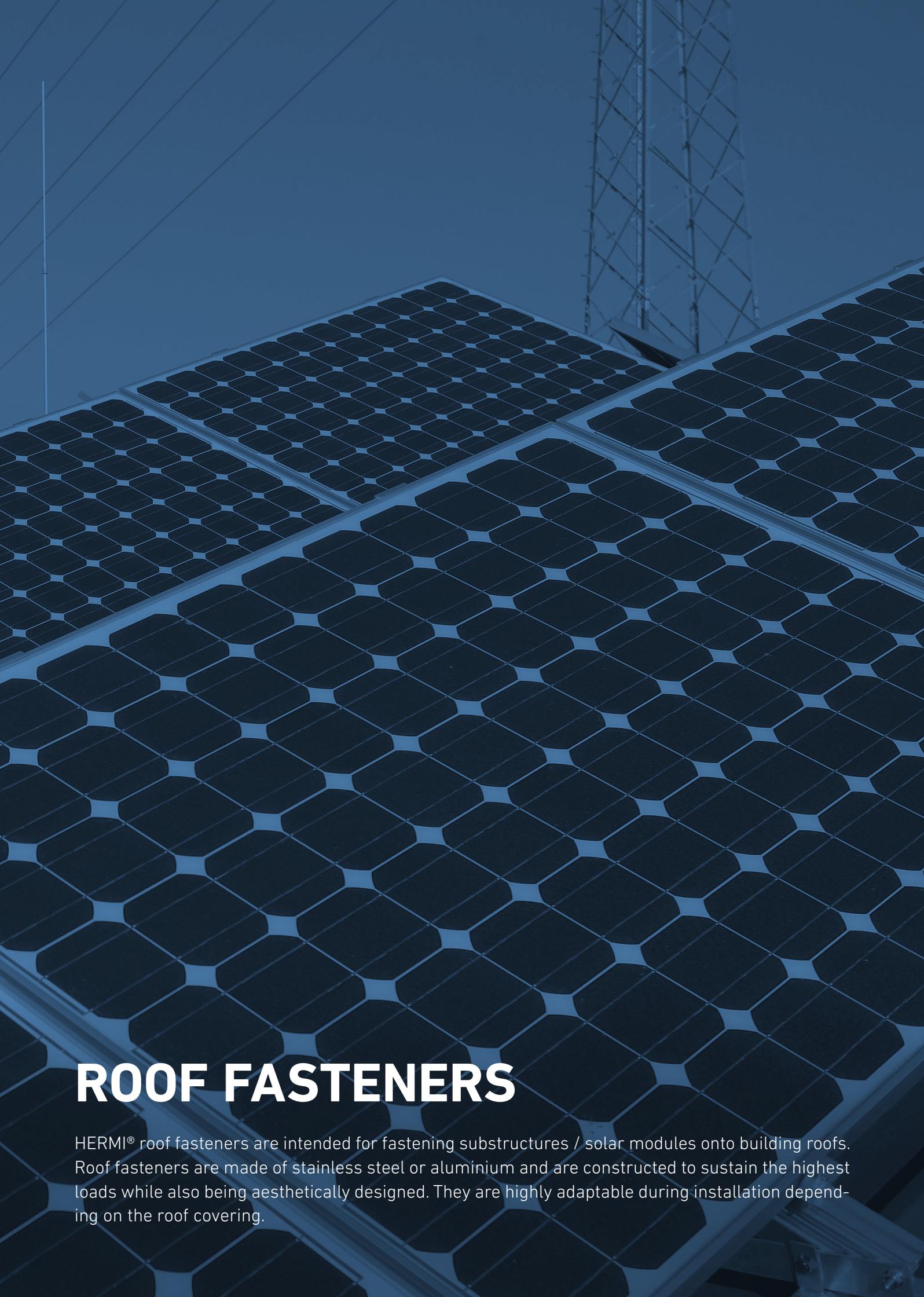
HERMI® mounting profiles are intended to build construction systems for solar power plants.

Connection elements 24

HERMI® connection elements are intended for connecting together mounting profiles and for fastening solar modules onto mounting profiles.

Ground mounted systems 30

Mounting systems for installing solar power plants on the ground. The system is made of bearing columns and mounting profiles onto which solar modules are installed.



ROOF FASTENERS

HERMI® roof fasteners are intended for fastening substructures / solar modules onto building roofs. Roof fasteners are made of stainless steel or aluminium and are constructed to sustain the highest loads while also being aesthetically designed. They are highly adaptable during installation depending on the roof covering.



SOL - N10

A fixed roof hook is suitable for the installation of substructures on roofs covered with roof coverings such as Tondach, Bramac, Creaton and similar. Roof hook is screwed into a wooden rafter. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000015	20



Example of installation: Figure 1B on page 4

SOL - N12

1x adjustable roof hook is suitable for the installation of substructures on roofs covered with roof coverings such as Tondach, Bramac, Creaton and similar. Roof hook is screwed into a wooden rafter. This roof hook has single adjustability intended for levelling out the uneven parts on the roof for the aesthetic purposes of aligning solar panels. An adjustment range of 25 mm enables levelling the position of the profiles. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000016	20



Example of installation: Figure 1B on page 4

SOL - N13

1x adjustable roof hook with an additional fastening plate, suitable for installing substructures on roofs covered with roof coverings such as Tondach, Bramac, Creaton and similar. Roof hook is screwed into a wooden rafter. It has an additional fastening plate intended for adjusting the point of fastening in the transversal direction. Hooks height can be adjusted depending on the height of the roof coverings and the thickness of the batten. An adjustment range of 7 mm enables adjustment of the roof hook according to the base plate. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000014	15



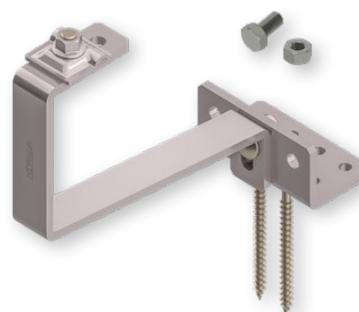
Example of installation: Figure 1B on page 4

SOL - N13 B

1x adjustable roof hook with an additional fastening plate, suitable for installing substructures on roofs with plain tiled roof coverings. Roof hook is screwed into a wooden rafter. Fastener has an additional fastening plate intended for adjusting the point of fastening in the transversal direction. Hooks height can be adjusted depending on the height of the roof coverings and the thickness of the batten. An adjustment range of 7 mm enables adjustment of the roof hook according to the base plate. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000083	15

Made to order.



Example of installation: Figure 1B on page 4

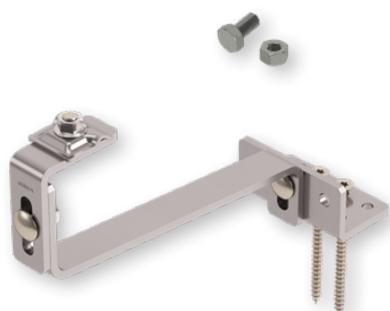


Example of installation: Figure 1B on page 4

SOL - N14

2x adjustable roof hook with an additional fastening plate, suitable for installing substructures on roofs covered with roof coverings such as Tondach, Bramac, Creaton and similar. Roof hook is screwed into a wooden rafter. It has an additional fastening plate intended for adjusting the point of fastening in the transversal direction. This roof hook has the option of adjusting the height to match the height of the roofing tiles and the batten thickness with the adjustment range of 7 mm, as well as the option of adjusting the height of the supporting element for the aesthetic purposes of aligning solar panels with the adjustment range of 25 mm, which is intended to level out the uneven areas of the roof. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000013	15



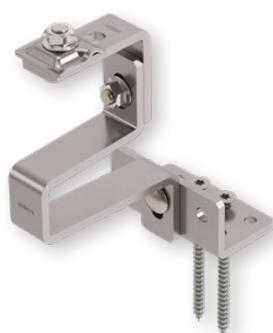
Example of installation: Figure 1B on page 4

SOL - N14 B

2x adjustable roof hook with an additional fastening plate, suitable for installing substructures onto roofs with plain tiled roof coverings (e.g. Beaver tail roof tiles). Roof hook is screwed into a wooden rafter. It has an additional fastening plate intended for adjusting the point of fastening in the transversal direction. Roof hook has the option of adjusting the height to match the height of the roofing tiles and the batten thickness with the adjustment range of 7 mm, as well as the option of adjusting the height of the supporting element for the aesthetic purposes of aligning solar panels with the adjustment range of 25 mm, which is intended to level out the uneven parts on the roof. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000086	1

Made to order.



Example of installation: Figure 1B on page 4

SOL - N14 S

2x adjustable roof hook with an additional fastening plate, suitable for installing substructures onto roofs with plain tiled roof coverings. Roof hook is screwed into a wooden rafter. It has an additional fastening plate intended for adjusting the point of fastening in the transversal direction. Fastener element has the option of adjusting the height to match the height of the roofing tiles and the batten thickness with the adjustment range of 7 mm, as well as the option of adjusting the height of the supporting element with the adjustment range of 25 mm, which is intended to level out the uneven parts on the roof. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	88000046	15

Made to order.



Example of installation: Figure 1B on page 4

SOL - S SN1

2x adjustable roof hook with an additional fastening plate, suitable for installing substructures onto roofs with plain tiled roof coverings. Roof hook is screwed into a wooden rafter. It is installed before covering the roof. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	3	88000073	15



SOL - N18

Aluminium padding plate to help roof fastening support elements reach a suitable height. It is used in combination with roof hooks SOL – N13 and SOL – N14.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al	4	88000024	100



SOL - N15

Fixed roof hook is suitable for installing substructures on roofs covered with coated sheet metal coverings such as Høsekra, Decra, Gerard and similar. Roof hook is screwed into a wooden rafter. It is installed before covering the roof. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	3	88000018	50

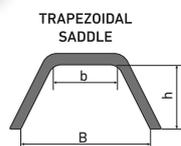


SOL - N15 C

Fixed roof hook is suitable for installing substructures on roofs covered with coated sheet metal coverings such as Høsekra, Decra, Gerard and similar. Roof hook is screwed into a wooden rafter. It is installed after covering the roof. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	3	88000082	50



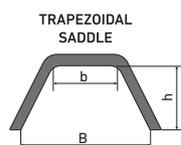


SOL - N16 A

A fixed fastener suitable for installing substructures on roofs covered with trapezoidal sheet metal roof coverings such as Trimo, Armat and similar. Fastener is screwed onto the trapezoidal wave with four side screws. The seal ensures water tightness at the point of fastening. Fastener has a transversally mounted fastening plate for fastening mounting profile. In a set together with fastening bolt. The dimensions of the trapezoidal saddle are customized to suit your roofing. The drawing of the trapezoid shape of the roof is required with the order!

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	2	88000019	50

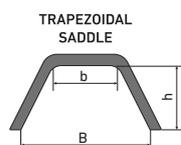
Made to order.



SOL - N16 B

A fixed fastener is suitable for installing substructures on roofs covered with trapezoidal sheet metal roof coverings such as Trimo, Armat and similar. Fastener is screwed onto the trapeze wave with four side screws. The seal ensures water tightness at the point of fastening. Fastener has a longitudinally mounted fastening plate for fastening mounting profile. In a set together with fastening bolt. The dimensions of the trapezoidal saddle are customized to suit your roofing. The drawing of the trapezoid shape of the roof is required with the order!

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	2	88000020	50



SOL - N16 AU

A fixed fastener is suitable for installing substructures on roofs covered with trapezoidal sheet metal roof coverings such as Trimo, Armat and similar. The fastener is appropriate for extreme environmental effects. Fastener is screwed onto the trapeze wave with four side screws. The seal ensures water tightness at the point of fastening. Fastener has a transversally mounted fastening plate for fastening mounting profile. In a set together with fastening bolt. The dimensions of the trapezoidal saddle are customized to suit your roofing. The drawing of the trapezoid shape of the roof is required with the order!

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	2	88000045	50



SOL - N16 L

A fixed fastener is suitable for installing roof substructures on roofs covered with trapezoidal sheet metal roof coverings such as Trimo, Armat and similar. The fastener is appropriate for mild environmental effects. Fastener is screwed onto the trapeze wave with four screws. The seal ensures water tightness at the point of fastening. Mounting profile is fastened to the fastener. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	3	88000009	100



SOL - N16 K

A fixed fastener is suitable for installing roof substructures on roofs covered with trapezoidal sheet metal such as Trimo, Armat and similar. Fastener is appropriate for mounting in the longitudinal and transversal direction. Fastener is screwed onto the trapezoid wave with two screws, whereby the fastener adjusts itself to the shape of the wave. The seal ensures water tightness at the point of fastening. The mounting profile SOL-P03 is fastened onto the fastener with a simple push – without screwing it on! In a set together with fastening screws.

MATERIAL	PROFILE	PRODUCT CODE	PACKAGE (PCS.)
Rf	SOL-P03	88000032	100



Example of installation: Figure 3A on page 6

SOL - N16-P

A fixed fastener is suitable for installing roof substructures on roofs covered with trapezoidal sheet metal such as Trimo, Armat and similar. Fastener is appropriate for mounting in the transversal direction. Fastener is screwed onto the trapezoid wave with four screws (see product PP SOL-N16 P). The seal ensures water-tightness at the point of fastening. The module clamp is attached directly to the fastener!

MATERIAL	LENGTH (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al	300	88000077	1
Al	350	88000078	1
Al	500	88000079	1



Example of installation: Figure 2A on page 5

PP SOL - N16-P

Attachment kit for fixing the SOL-P16-P profile to the roofing. The kit contains 4 screws and butyl rubber tape.

MATERIAL	PRODUCT CODE	PACKAGE (PCS.)
Rf/Bu	88000426	1



Example of installation: Figure 2A on page 5

SOL - N17

A fixed hanger bolt suitable for installing substructures on roofs covered with trapezoidal sheet metal roof coverings Eternit, Tegola, fibre cement roof coverings and similar. Hanger screw is screwed into a wooden rafter. The seal ensures water tightness at the point of fastening. Hanger screw has a transversally mounted fastening plate for fastening mounting profile. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	SCREW LENGTH (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	250	88000021	100
Rf	6	300	88000051	100



**SOL - N17 A**

A fixed hanger bolt suitable for installing substructures on roofs covered with trapezoidal sheet metal roof coverings Eternit, Tegola, fibre cement roof coverings and similar. Hanger screw is screwed into a steel structural element. The seal ensures water tightness at the point of fastening. Hanger screw has a transversally mounted fastening plate for fastening mounting profile. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	SCREW LENGTH (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	6	136	88000033	100

**SOL - N19**

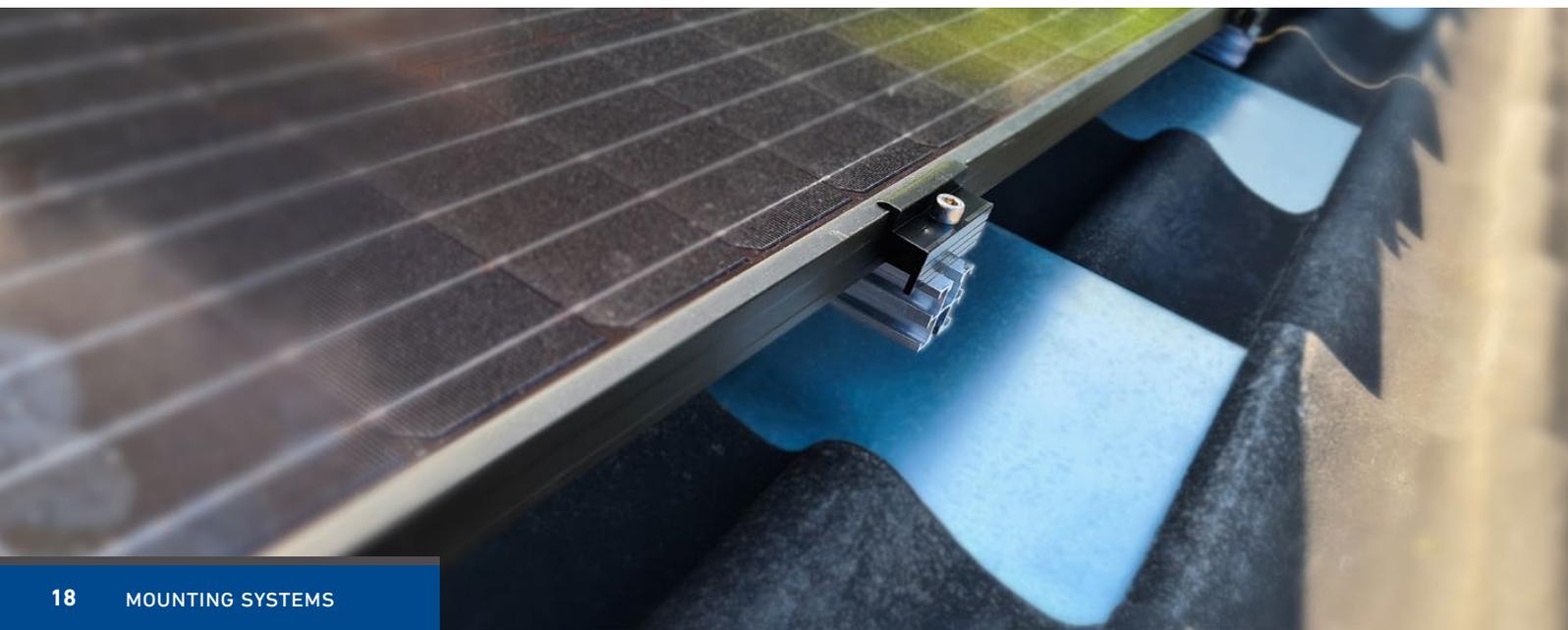
A fixed fastener suitable for installing roof substructures onto roofs covered with a metal sheet roof covering, e.g. Prefa and similar. Fastener is fastened onto the roof covering by pressing the roof covering's seam. Mounting profile is fastened to the fastener. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	2.5	88000023	50

**SOL - N19 A**

A fixed fastener suitable for installing roof substructures onto roofs covered with a metal sheet roof covering, e.g. Prefa and similar. Fastener is appropriate for small loadings and mild conditions. Fastener is fastened onto the roof covering by pressing the roof covering's seam. Mounting profile is fastened to the fastener. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	2.5	88000049	50



SOL - N33

A triangular support element with a pre-set 30° module incline angle. Appropriate for fastening to flat roofs with up to 5° incline. Intended for ensuring the optimum incidence angles when setting up solar modules onto building roofs. Triangular support element SOL – N33 is intended for use together with 2x SOL-P03 in transversal direction. Generally for a portrait layout of standard sized modules in a single row. The triangular support element is fastened onto the building roof with suitable roof fasteners.

MATERIAL	INCLINE	PRODUCT CODE	PACKAGE (PCS.)
■ Al	30°	88000012	1



SOL - N34

A triangular adjustable support element with an option of setting module incline angle between 15° and 30°. Appropriate for fastening to trapezoidal sheet metal roof coverings with east-west roof ridge orientation. Intended for ensuring the optimum incidence angles when setting up solar modules onto building roofs. Triangular support element SOL – N34 is intended for use together with 2x SOL-P03 in longitudinal direction. Generally for a landscape layout of standard sized modules in a single row. The triangular support element is fastened onto the building roof with suitable roof fasteners.

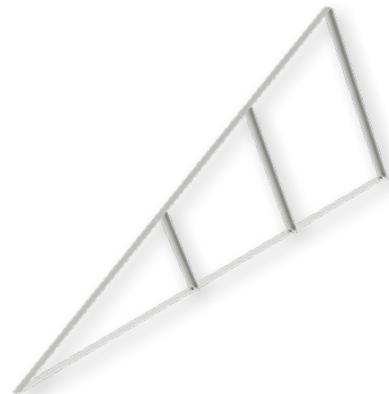
MATERIAL	INCLINE	PRODUCT CODE	PACKAGE (PCS.)
■ Al	15°-30°	88000028	1



SOL - N36

A triangular support element with a pre-set 30° module incline angle. Intended for ensuring the optimum incidence angles when setting up solar modules onto building roofs. Longitudinal triangular support element SOL – N36 is intended for use together with 4x SOL-P03 in transversal direction. Generally for a portrait layout of standard sized modules in two rows. The triangular support element is fastened onto the building roof with suitable roof fasteners.

MATERIAL	INCLINE	PRODUCT CODE	PACKAGE (PCS.)
■ Al	30°	88000036	1





Example of similar installation: Figure 4A on page 7

SOL - N35

A triangular support element with a pre-set module incline angle. Intended for ensuring the optimum incidence angles when setting up solar modules onto building roofs. Generally for a landscape layout of standard sized modules in a single row. The triangular support element is intended for mounting solar modules on flat roofs with up to 5° incline or roofs covered with sheet metal roof coverings, to which they are fastened simply by using suitable screws or weight elements. On trapezoidal sheet metal roof coverings, it also enables transversal support orientation appropriate for east-west roof ridge orientation. The use of additional fasteners is not needed. Suitable for greater loads (e.g. wind and snow).

MATERIAL	INCLINE	PRODUCT CODE	PACKAGE (PCS.)
Al	10°	88000088	1
Al	15°	88000089	1
Al	20°	88000090	1
Al	25°	88000091	1
Al	30°	88000092	1

Other materials are available upon order.



Example of installation: Figure 4A on page 7

SOL - N35 A

A triangular support element with a pre-set module incline angle. Intended for ensuring the optimum incidence angles when setting up solar modules onto building roofs. Generally for a landscape layout of standard sized modules in a single row. Connected rows of supporting elements share wind load and are therefore appropriate for greater loadings. The triangular support element is intended for mounting solar modules on level roofs or roofs covered with sheet metal roof coverings, to which they are fastened simply by using suitable screws or weight elements. The upper part of the triangular support element is fastened with bolts in preset holes of the bottom triangular plate. The use of additional fasteners is not needed.

MATERIAL	INCLINE	PRODUCT CODE	PACKAGE (PCS.)
Al	10°	88000093	1
Al	15°	88000094	1
Al	20°	88000095	1
Al	25°	88000096	1
Al	30°	88000097	1

Other materials are available upon order.



Example of installation: Figure 4A on page 7

SOL - N35 D

A triangular double-sided support element with a pre-set module incline angle. Intended for ensuring the optimum incidence angles when setting up solar modules onto building roofs. Generally for a landscape layout of standard sized modules in a single row. The triangular support element is intended for mounting solar modules on level roofs or roofs covered with sheet metal roof coverings, to which they are fastened simply by using suitable screws or weight elements. The use of additional fasteners is not needed. The support element is customized to the size of the solar module and the requested spacing between rows.

MATERIAL	INCLINE	PRODUCT CODE	PACKAGE (PCS.)
Al	10°	88000075	1

Other materials are available upon order.





MOUNTING PROFILES

HERMI® mounting profiles are intended to build construction systems for solar power plants. Mounting profiles are fastened to roof fasteners with suitable bolts. Other profiles or solar modules are also fastened to mounting profiles. HERMI® mounting profiles are made of aluminium alloy and are corrosion resistant and enable simple further processing.



SOL - P03

Mounting profile with six fastening grooves for fastening the profile or other profiles. The size of the grooves enables fastening with hex head M8 bolts.

MATERIAL	DIMENSIONS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	32x35	6.2	88000104	1



Example of installation: Figure 1 on page 4

SOL - P16

Mounting profile with fastening groove for fastening the profile or other profiles. The size of the grooves enables fastening with hex head M8 bolts.

MATERIAL	DIMENSIONS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	55x100	6.2	88000114	1



SOL - P10

Mounting L-profile for fastening the profile or other profiles.

MATERIAL	THICKNESS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	40x40x3	6	88000102	1





CONNECTION ELEMENTS

HERMI® connection elements are intended for connecting together mounting profiles and for fastening solar modules onto mounting profiles. Connection elements are made from quality corrosion resistant materials and have structurally suitable dimensions.



SOL - S01B

The MIDDLE MODULE CLAMP is an element intended for fastening solar modules onto the mounting profile. The clamp is installed between two modules. The clamp simultaneously holds two modules. The clamp is made of aluminium. In a set together with fastening bolts.

TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
1	Al		M8	70	30	88000263	100
1	Al		M8	70	32-35	88000262	100
1	Al		M8	70	38-40	88000261	100

TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
2	Al	black	M8	70	30	88000270	100
2	Al	black	M8	70	32-35	88000288	100
2	Al	black	M8	70	38-40	88000289	100

TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
3	Al		M8	70	30-40	88000306	100
4	Al	black	M8	70	30-40	88000308	100

For SOL-N35, SOL-N35 A and SOL-N35 D.



Example of installation: Figure 2C on page 5

SOL - S02B

The END MODULE CLAMP is an element intended for fastening solar modules onto the mounting profile. The clamp is installed at the end of the module. The clamp is made of aluminium. In a set together with fastening bolts.

TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
1	Al		M8	70	30	88000268	100
1	Al		M8	70	32	88000267	100
1	Al		M8	70	35	88000266	100
1	Al		M8	70	38	88000278	100
1	Al		M8	70	40	88000265	100

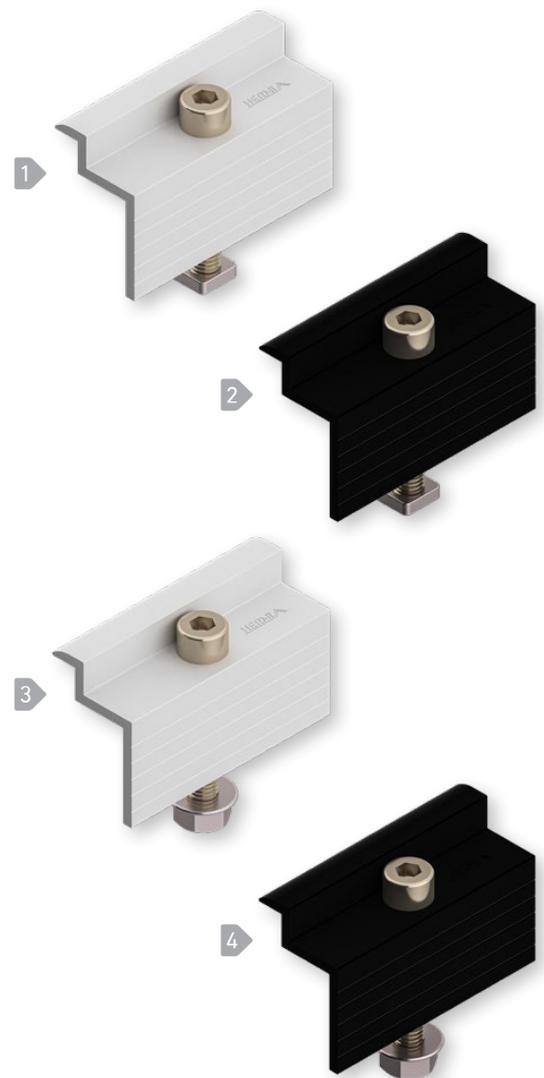
TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
2	Al	black	M8	70	30	88000269	100
2	Al	black	M8	70	32	88000284	100
2	Al	black	M8	70	35	88000285	100
2	Al	black	M8	70	38	88000286	100
2	Al	black	M8	70	40	88000287	100

TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
3	Al		M8	70	30	88000326	100
3	Al		M8	70	32	88000327	100
3	Al		M8	70	35	88000307	100
3	Al		M8	70	38	88000328	100
3	Al		M8	70	40	88000329	100

For SOL-N35, SOL-N35 A and SOL-N35 D.

TYPE	MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
4	Al	black	M8	70	30	88000330	100
4	Al	black	M8	70	32	88000331	100
4	Al	black	M8	70	35	88000305	100
4	Al	black	M8	70	38	88000332	100
4	Al	black	M8	70	40	88000333	100

For SOL-N35, SOL-N35 A and SOL-N35 D.



Example of installation: Figure 4D on page 7



SOL - S01BX

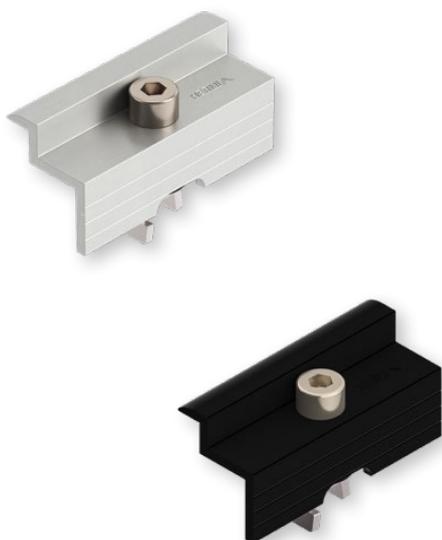
The MIDDLE MODULE CLAMP is an element intended for fastening solar modules onto the mounting profile. The clamp with specially designed fastening nut is suitable to be installed from above at any place to the profile. The clamp is installed between two modules. The clamp simultaneously holds two modules. The clamp is made of aluminium. In a set together with fastening bolts.

MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al		M8	70	30 - 32	88000264	100
Al		M8	70	35 - 40	88000283	100
MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al	black	M8	70	30 - 32	88000271	100
Al	black	M8	70	35 - 40	88000295	100

Example of installation: Figure 2C on page 5

SOL - S02BX

The END MODULE CLAMP is an element intended for fastening solar modules onto the mounting profile. The clamp with specially designed fastening nut is suitable to be installed from above at any place to the profile. The clamp is installed at the end of the module. The clamp is made of aluminium. In a set together with fastening bolts.



MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al			70	30	88000272	100
Al			70	32	88000279	100
Al			70	35	88000280	100
Al			70	38	88000281	100
Al			70	40	88000282	100
MATERIAL	COLOR	DIMENSION	LENGTH (mm)	FRAME HEIGHT (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al	black		70	30	88000290	100
Al	black		70	32	88000291	100
Al	black		70	35	88000292	100
Al	black		70	38	88000293	100
Al	black		70	40	88000294	100

Example of installation: Figure 4D on page 7

SOL - S03

The LONGITUDINAL CONNECTING ELEMENT is intended for extending the mounting profiles SOL-P03. In a set together with fastening bolts.



MATERIAL	DIMENSIONS (mm)	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Al	30x150	4	88000202	50

Example of installation: Figure 3D on page 6



SOL - S04

The CONNECTING ELEMENT 90° is intended for making rectangular joints between mounting profiles SOL-P03. In a set together with fastening bolts.

MATERIAL	DIMENSIONS (mm)	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	75x75x30	4	88000203	50



Example of installation: Figure 3C on page 6

SOL - SN35

The CONNECTING ELEMENT is intended for connecting triangular support elements SOL-N35, SOL-N35 A and SOL-N35 D between each other. In a set together with fastening bolts.

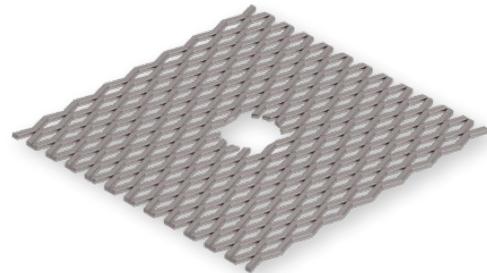
MATERIAL	DIMENSIONS (mm)	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	170x35x25	1,5	88000276	100



SOL - S06

A contact element intended for ensuring galvanic contact between mounting profiles and the module frame. The element is inserted between the module and the profile at the point of the module clamp and upon pressing, ensures galvanic contact with its structural characteristics.

MATERIAL	DIMENSIONS (mm)	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ Rf	50x50	0,5	88000207	300



SOL - S07

The Al supporting element is intended for making connections between triangular support elements to ensure structural stability. It is made of an aluminium L profile with pre-set holes and bolts for fastening.

MATERIAL	DIMENSIONS (mm)	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	2000x40x40	3	88000298	10
■ Al	1700x40x40	3	88000212	10
■ Al	1400x40x40	3	88000235	10
■ Al	1200x40x40	3	88000213	10
■ Al	940x40x40	3	88000208	10



SOL - S08

Wind deflector reduces wind load on construction. The size of the wind deflector is adjusted according to the incline of the support element.

MATERIAL	INCLINE	LENGTH (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn	10°	3000	88000310	1
■ FeZn	15°	3000	88000311	1
■ FeZn	20°	3000	88000312	1
■ FeZn	25°	3000	88000313	1
■ FeZn	30°	3000	88000314	1
■ Al	10°	3000	88000315	1
■ Al	15°	3000	88000316	1
■ Al	20°	3000	88000317	1
■ Al	25°	3000	88000318	1
■ Al	30°	3000	88000319	1





Example of installation: Figure 1C on page 4

SOL - S09

The CROSS CONNECTING ELEMENT is intended for crossing of mounting profiles as well as for making rectangular joints between mounting profiles. In a set together with fastening bolts.

MATERIAL	THICKNESS (mm)	PRODUCT CODE	PACKAGE (PCS.)
Rf	2,5	88000234	100



Example of installation: Figure 4B on page 7

LOP-PB1/M8

Attachment kit LOP-PB1/M8 is suitable as ballast for triangular support elements on flat roofs together with base plate PBP350. Triangular support elements are mounted to a concrete base with an M8 bolt (DIN 933). The use of base plate PBP350 is mandatory.

MATERIAL	DIMENSION (mm)	WEIGHT (kg)	PRODUCT CODE	PACKAGE (PCS.)
concrete/M8	Φ = 350	18	301493	1



Example of installation: Figure 4B on page 7

PBP350

Base plate PBP350 is used to protect the roofing on flat roofs, where concrete base LOP-PB1/M8 is used.

MATERIAL	DIMENSION (mm)	PRODUCT CODE	PACKAGE (PCS.)
PE	Φ = 350	301490	1



Example of installation: Figure 2A on page 5

PP-4,8x20 screw

The PP-4,8x20 screws are used for mounting roof fasteners on roofs covered with sheet metal cover. The seal ensures water tightness at the point of fastening.

MATERIAL	PROD. CODE	PACKAGE
Rf	905036	100



PP-8X80, PP-8X120 screw

The PP-8X80 and PP-8X120 screws are used for fastening roof fasteners to wooden rafters.

ITEM	MATERIAL	LENGTH (mm)	PROD. CODE	PACKAGE
PP-8X80	FeZn	80	905038	100
PP-8X120	FeZn	120	905037	100



PP-M8X16, PP-M8X25 bolt

The PP-M8X16 and PP-M8X25 bolts (DIN 933) are designed for mounting SOL-P03 profiles to fasteners or mounting triangular support elements to LOP-PB1/M8.

ITEM	MATERIAL	PROD. CODE	PACKAGE
bolt PP - M8X16	■ FeZn	88705107	100
bolt PP - M8X16	■ Rf	88706107	100

ITEM	MATERIAL	PROD. CODE	PACKAGE
bolt PP - M8x25	■ FeZn	88705128	100
bolt PP - M8x25	■ Rf	88706128	100



PP-M8 flange nut

The PP-M8 flange nuts (DIN 6293), together with suitable connecting bolt are intended for mounting SOL-P03 profiles to fasteners

ITEM	MATERIAL	PROD. CODE	PACKAGE
flange nut PP - M8	■ FeZn	88705112	100
flange nut PP - M8	■ Rf	88706112	100



PP M8x30, PP M8x35, PP M8x40, PP M8x45 imbus bolt

The PP M8x30, PP M8x35, PP M8x40 and PP M8x45 imbus bolts (DIN 912) are used for mounting module clamps onto the mounting profile.

ITEM	MATERIAL	PROD. CODE	PACKAGE
imbus bolt PP M8x30	■ Rf	88000410	100
imbus bolt PP M8x35	■ Rf	88000406	100
imbus bolt PP M8x40	■ Rf	88000415	100
imbus bolt PP M8x45	■ Rf	88000427	100



PP M8 square nut

The PP M8 square nuts (DIN 562), together with suitable connecting bolts are intended for mounting module clamps onto the mounting profile.

ITEM	MATERIAL	PROD. CODE	PACKAGE
square nut PP M8	■ Rf	88000405	100





GROUND MOUNTED SYSTEMS

The mounting system for ground mounted solar power plants is composed of bearing columns and mounting profiles onto which solar modules are installed. The construction must be adjusted depending on the required loads for each individual project.



SOL - NCT 1x

Bracket consisting of one leg, support element, rafter and associated bolt material - also for fastening the profile. For fastening of the first-row modules.

MODULE	MODULE SIZE (mm)	PRODUCT CODE	PACKAGE (PCS.)
L	1600 x 1000	88000732	1
XL	2200 x 1000	88000735	1



SOL - NCT 2x

Bracket consisting of one leg, support element, rafter and associated bolt material - also for fastening the profile. For fastening of the second-row modules.

MODULE	MODULE LENGTH (mm)	PRODUCT CODE	PACKAGE (PCS.)
L	1600 x 1000	88000733	1
XL	2200 x 1000	88000736	1



**SOL - NCN 2x**

Bracket consisting of two legs, support element, rafter and associated bolt material - also for fastening the profile.

MODULE	MODULE LENGTH (mm)	PRODUCT CODE	PACKAGE (PCS.)
L	1600 x 1000	88000731	1
XL	2200 x 1000	88000734	1

Example of installation: Figure 5 on page 8

**SOL - NSV**

Anchor - ground screw for fastening the load-bearing element to the ground.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn-H	76 x 1550	88000730	1

Example of installation: Figure 6A on page 9

**SOL - NB**

Fastening element for the concrete foundation to which the bracket is fastened.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn-H	76 x 1550	88000738	1

Example of installation: Figure 5C on page 8



SOL - P05

Mounting profile with fastening groove for fastening modules. The size of the grooves enables fastening with M8 bolts.

MATERIAL	DIMENSIONS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	40x80	6,5	88000112	1



Example of installation: Figure 5B on page 8

SOL - P06

Intermediate mounting profile with fastening groove for fastening modules enables dilatation and easy positioning. The size of the grooves enables fastening with M8 bolts.

MATERIAL	DIMENSIONS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	50x80	6,5	88000113	1



Example of installation: Figure 5D on page 8

SOL - P07

Mounting profile with fastening groove for fastening modules. The size of the grooves enables fastening with M8 bolts.

MATERIAL	DIMENSIONS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	50x120	6,5	88000115	1



Example of installation: Figure 5B on page 8

SOL - P08

Intermediate mounting profile with fastening groove for fastening modules enables dilatation and easy positioning. The size of the grooves enables fastening with M8 bolts.

MATERIAL	DIMENSIONS (mm)	LENGTH (m)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	60x120	6,5	88000116	1



Example of installation: Figure 5D on page 8

**SOL - S10**

The longitudinal connecting element is intended for extending the mounting profiles SOL-P05. In a set together with fastening bolts.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ Al	46x300	88000273	1

**SOL - S11**

The longitudinal connecting element is intended for extending the mounting profiles SOL-P06 and SOL-P07. In a set together with fastening bolts.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn	56x300	88000296	1

**SOL - DS11**

The self-adjusting longitudinal connecting element is intended for extending the mounting profiles SOL-P06 and SOL-P07. An adjustment range of 110 mm enables expansion and contraction of profiles due to temperature changes. In a set together with fastening bolts.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn	56x300	88000303	1

**SOL - S12**

The longitudinal connecting element is intended for extending the mounting profiles SOL-P08. In a set together with fastening bolts.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn	66x300	88000297	1



SOL - DS12

The self-adjusting longitudinal connecting element is intended for extending the mounting profiles SOL-P08. An adjustment range of 110 mm enables expansion and contraction of profiles due to temperature changes. In a set together with fastening bolts.

MATERIAL	DIMENSIONS (mm)	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn	66x300	88000304	1



SOL - ZE

A support profile to achieve adequate stability of the structural system. The support profile is placed between the individual support legs of the bracket, on the rear (higher) side on every 3rd span.

MATERIAL	PRODUCT CODE	PACKAGE (PCS.)
■ FeZn	88000739	1

Made to order.



Example of installation: Figure 5A on page 8



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PARTNERS



LIGHTNING PROTECTION

Lightning protection installation protects a building against direct lightning strikes. Only correctly positioned lightning protection conductors on a building are intended to conduct lightning current, not damaging the building. By installing lightning protection we successfully protect a building

against mechanical damage or fire.

Hermi lightning protection systems have low, standard fasteners adapted to all types of roof coverings and are creatively adjusted to the architecture of the building. They are made of durable materials – stainless steel, copper or aluminium – and provide the highest level of protection against damages caused by lightning strikes.



SURGE PROTECTION

Protection which effectively protects the electrical installations and equipment in the building is called surge protection – protection of electrical installations and data lines against overvoltages.

Correctly installed surge protection does not protect the building against a direct lightning strike, but only electrical installations in it.

Hermi surge protection provides quality protection of your devices with three levels of surge protecting elements. We produce surge protection for low-voltage electrical installations, photovoltaic systems, IT systems, computer networks, video system and coaxial cables for high-frequency applications.



CABLE TRAYS AND CABLE LADDERS

They are made of quality materials which provide sustainable and quality cable paths. The range includes many options and colours depending on the environment and investor's wishes. We also offer fire-resistant E90 cable trays.

They are distinguished for their simple, quick and efficient installation, quality coupling, rounded tray edges, type covers, sophisticated system of perforation, wide selection of standard elements, different thickness of metal sheet, precise and careful production and ingenious shape.

The highlight of the range are cable trays and cable ladders made of acid-resistant stainless steel which are suitable for use in the most demanding conditions.



MOUNTING SYSTEMS

HERMI mounting systems are designed for quick, simple and efficient installation of structures. The sub-structure of a solar power plant encompasses load bearing construction profiles, roof fasteners, and connecting/mounting profiles. The joining of elements is performed using screw connections which provide the adjustment of sub-structure of levelling out uneven parts of the roof. Elements are made from quality stainless

steel and aluminium.





Power of Nature, Supremacy of Knowledge

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