



ENERGYSTEEL

G R O U P
STALEX
WE PROCESS STEEL

MOUNTING SYSTEMS
FOR PHOTOVOLTAICS



About Us

Stalex Przedsiębiorstwo Handlu i Obróbki Metali Sp. z o.o. (Metal Trade and Processing Company Ltd.) provides production and commercial services for the photovoltaic, window joinery, mining, automotive, household appliances, ventilation and general construction industries. Extensive equipment facilities, modern organizational structure of the company and experienced staff allow us to meet the most demanding orders.

The company's core business is the production and distribution of:

- steel sections for PVC windows, and for most window systems
- special angles and sections for individual orders

The company also imports semi-finished products:

- sheets in galvanized and hot-rolled coils (0.3 mm - 20 mm)
- sheets in galvanized and hot-rolled sheets (0.3 mm - 20 mm)
- black piece sheets
- galvanized piece sheets

In response to the dynamic development of the renewable energy industry, we have implemented the production and distribution of roof and ground elements for the installation of photovoltaic panels.

We have been gaining our experience for many years in cooperation with Polish and foreign companies. We are guided by the motto „The customer is the most important”. We believe that an attractive price of services should always go hand in hand with quality and after-sales service.

Steel structures

We are also a manufacturer of free-standing structures for photovoltaic farms, as well as adapted to prosumer solutions. We carry out orders using our own experience and leading European companies in the field of design and production of steel structures.

We also carry out non-standard orders according to customer documentation.

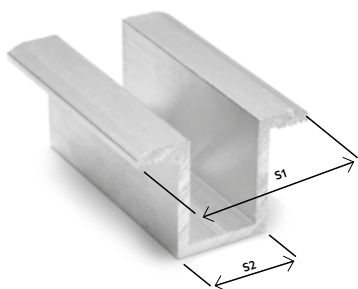


End clamp M01



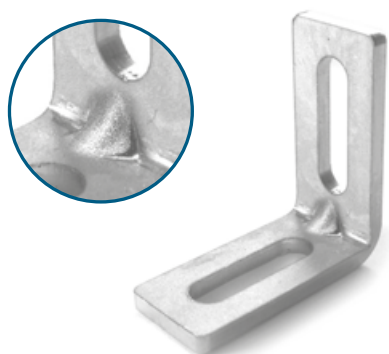
Material:	Aluminium
Thickness:	3 mm
Height:	30 / 35 / 40 mm
Width:	50 mm
Length:	50 / 80 mm
Hole Diameter:	9 mm
Additional information:	serrated surface in contact with the profile Other lengths on request

Middle clamp M02



Material:	Aluminium
Thickness:	3 mm
Height:	24 mm
Width S1:	36 mm
Width S2:	19,2 mm
Length:	50 / 80 mm
Holes Diameter:	9 mm
Additional information:	serrated surface in contact with the profile Other lengths on request

Angle adapter M03



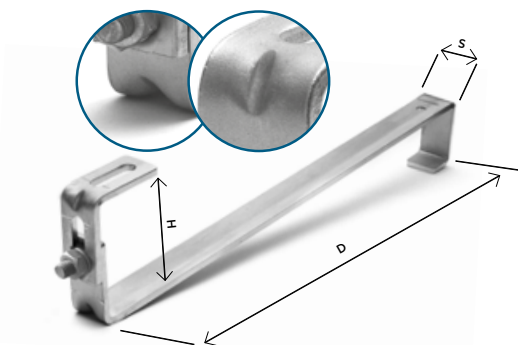
Material:	Magnelis®
Height:	65 mm
Width:	65 mm
Length:	82 mm
Holes Diameter:	11 mm

Mounting adapter M04



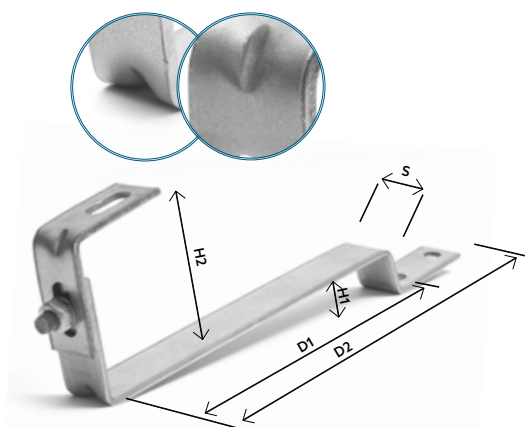
Material:	Magnelis®
Height:	4 mm
Width:	30 mm
Length:	80 mm
Holes Diameter:	11 mm
Additional information:	For use with a double-threaded bolt

S-type roof holder, adjustable U01



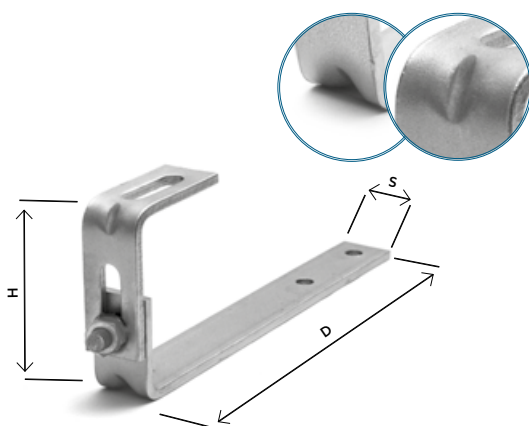
Material:	Magnelis ®
Height H:	103 - 130 mm
Width S:	30 mm
Length D:	440 - 520 mm
Holes Diameter:	M8/M10
Additional information:	For tiled roofs

Roof holder for plain tile, adjustable U02



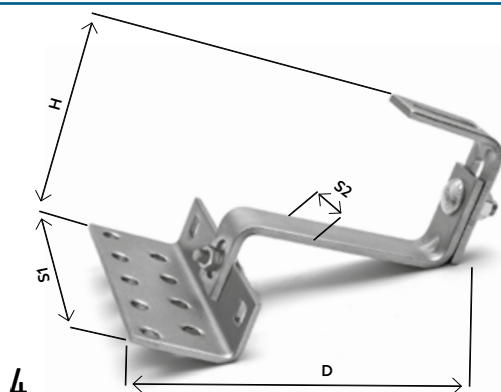
Material:	Magnelis ®
Height H1:	34 mm
Height H2:	75 - 110 mm
Width S:	30 mm
Length D1:	265 mm
Length D2:	360 mm
Rafter holes diameter:	2 × 9 mm
Additional information:	For roofs covered with beaver tail tiles

Roof holder straight / adjustable U03



Material:	Magnelis ®
Height H:	66 - 85 mm
Width S:	30 mm
Length D:	225 mm
Additional information:	For roofs covered with roofing felt, shingles

Roof holder with double adjustment U04



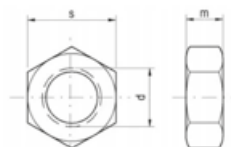
Material:	Magnelis ®
Height H:	145 - 180 mm
Width S1:	140 mm
Width S2:	30 mm
Length L:	135 - 180 mm
Additional information:	For tiled roofs

Lock bolt M10x25 with mushroom head



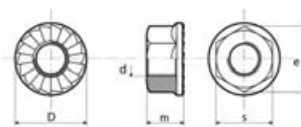
Material:	stainless steel / hot dip galvanized / zinc flake
d	M10
l	25 mm
dk	24,65 mm
f	6,6 mm
k	5,38 mm
v	10,58 mm
DIN	603

Nut M10



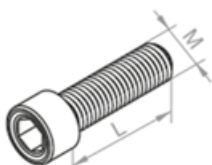
Material:	stainless steel / hot dip galvanized / zinc flake
d	M10
m	9,64 mm
s	15 mm
e	17,7 mm
DIN	934

Flange nut M10



Material:	stainless steel / hot dip galvanized / zinc flake
d	M10
D	21,8 mm
m	10 mm
s	17 mm
e	18,9 mm
DIN	6923

Allen screw M8 full thread, knurled



Material:	Stainless steel
Thread length:	20 / 25 / 30 mm
Diameter:	M8
DIN	912

***„Ad quas res aptissimi erimus,
in iis potissimum elaborabimus”***
• Cicero

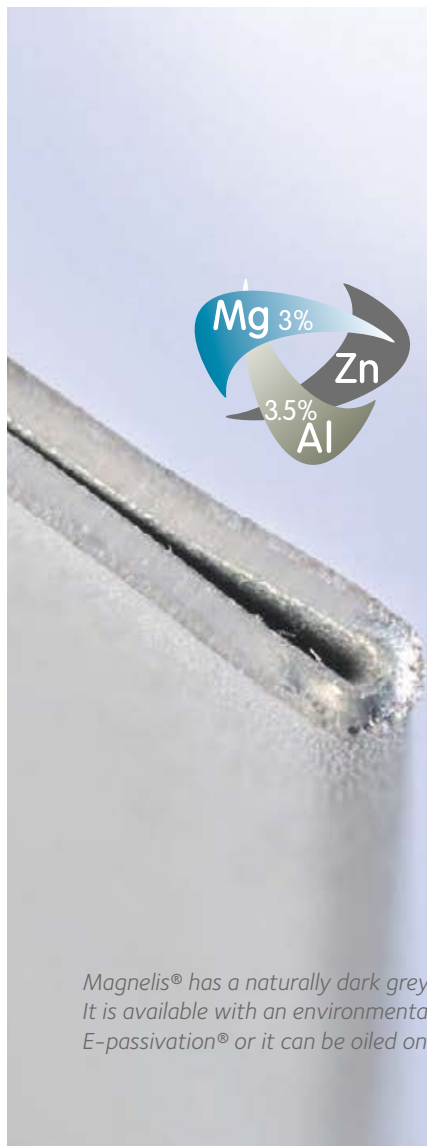
The measure of a company's success is a good product associated with the brand.

For us, one of the priorities is to meet your expectations in terms of quality and durability, while maintaining the highest standards of production and assembly. Therefore, without hesitation, we present the results of technical expertise commissioned by Stalex, by independent research institutions: the Łukasiewicz Research Network and the Częstochowa University of Technology.

The opinions of the above-mentioned centers are proof for you that the products we offer meet rigorous quality standards.



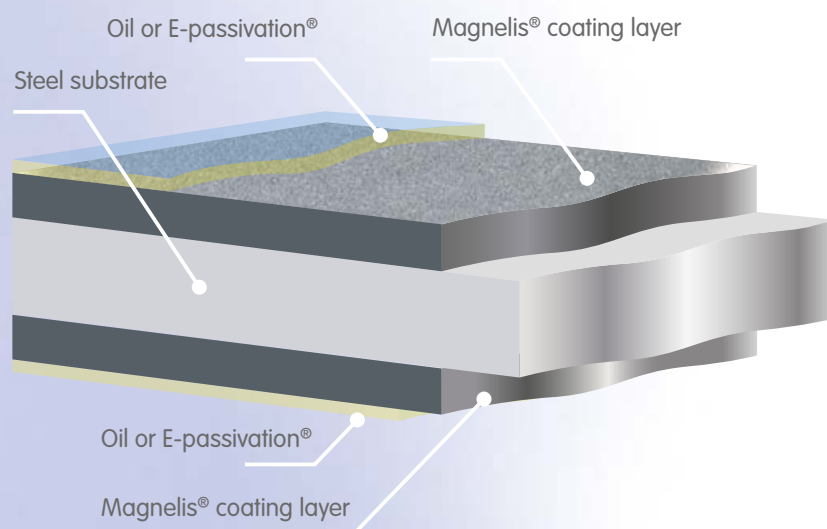
What is Magnelis®?**



Magnelis® is an exceptional metallic coating which provides a breakthrough in corrosion protection. Magnelis® is also the best choice for a wide variety of applications.

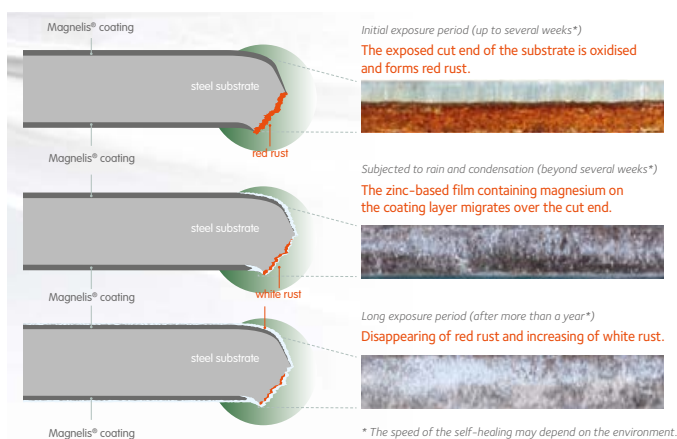
Thanks to its unique composition, Magnelis® provides an unprecedented level of surface and cut-edge protection, even in the most hostile environments.

Magnelis® is produced on a classic hot dip galvanising line, but the molten bath has a unique chemical composition including zinc, 3.5% aluminium, and 3% magnesium.



Magnelis® has a naturally dark grey aspect. It is available with an environmentally friendly E-passivation® or it can be oiled on request.

Edge protection thanks to the self-healing effect



When exposed to the elements, Magnelis® forms a high-density zinc-based protective layer. This distinguishes it from similar layers formed on galvanized products, characterized by high porosity. This unique dense layer also forms on edges, welds, perforations and scratches.

Should red rust appear in these uncoated areas, it will gradually be covered with a protective layer of Magnelis®. Penetration of this layer by external factors is almost impossible *

* all material related to Magnelis® comes from the official brochure Magnelis® Think strategically

** Magnelis® is a registered trademark of ArcelorMittal Flat Carbon Europe S.A.

Flake Galvanizing

One of the most effective and most frequently chosen methods of protecting metal elements against corrosion is galvanizing. Zinc coating can be applied in several ways, and one of them is flake zinc, also known as lamellar. Its advantage is the strength of the coating, similar to that offered by a bath in liquid zinc. Flake zinc is very popular in the automotive, energy and aviation industries.



Product features:

- high corrosion resistance, up to 1000 h in a salt spray chamber
- no susceptibility to organic solvents,
- guarantee of cathodic corrosion protection,
- the possibility of obtaining various types of shades and colors,
- temperature resistance up to 180 degrees Celsius,

Hot-dip galvanizing

The hot-dip galvanizing of screws consists in immersing them in the so-called zinc bath. The zinc particles will not only create a special coating, but will also mix with the steel particles on the surface. Of the many methods of galvanizing, this method is one of the most effective and is perfect especially for such small elements as screws. Galvanizing has many advantages, among which we can distinguish much greater mechanical strength, increased resistance to corrosion, thanks to which the screws will be able to serve reliably for many years, as well as high durability of the coating. In practice, this means that the zinc coating made in this way will adhere closely to the screw and become its integral part.



ANTI-CORROSION TESTS

One of the first subjects of the work was testing the resistance of coatings to salt spray: The coatings were tested for resistance to salt spray according to PN-EN ISO 9227:2017-06 Corrosion tests in artificial atmospheres - Tests in sprayed brine. Test duration of 720 hours (30 days)



1. Photo before putting the magnelis sample with a hot-dip galvanized bolt in the salt chamber.



2. Before putting into the salt chamber a sample of acid-proof steel 1.4301 with an A2 stainless screw.



3. Photo of the magnelis sample with a hot-dip galvanized bolt after 320 h.



4. Photo of acid-resistant steel 1.4301 sample with A2 stainless steel screw, after 320 h.



5. Photo of a magnelis sample with a hot-dip galvanized bolt after a full cycle of 720 h.



6. Sample of acid-resistant steel 1.4301 with an A2 stainless steel screw after a full cycle of 720 h.

In the second part of the test, the samples were exposed to moisture in a humidity chamber for 320 and 480 hours.



1. Sample before putting into the chamber



2. Sample after 480 h

Research summary:

In practice, the use of an acidified salt fog environment is considered to be 100 to 1000 times more aggressive than the coastal atmosphere. The corrosion rate of the zinc coating is estimated at 0.5 microns per year in clean dry air, 5 microns per year in humid tropical atmospheres or even 5 to 20 microns per year in industrial and coastal atmospheres.

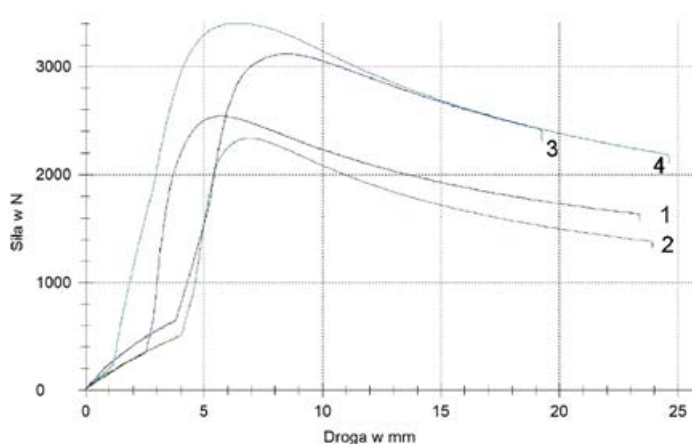
The above tests show that samples made of steel coated with Magnelis can withstand up to 20 years in a C4 environment without any signs of corrosion. In addition, as the manufacturer assures, the Magnelis coating shows the ability to regenerate, which results in scarring of places where the first signs of corrosion appear (cut edges, scratches, places of deformation).

ENDURANCE TESTING

Another test was to determine the mechanical properties of fasteners for photovoltaic structures. The study determined the strength (capacity to transfer the load) of two types of fastening elements (hooks) manufactured by Stalex.

**POLI
TECH
NIKA**

**Politechnika
Częstochowska**



sample No.	Hook type	Fmax	Fmax	Strength gain
		kN	kg	
1	without embossing	2,54	254	
2	without embossing	2,33	233	
mean:	without embossing	2,44	243,5	
3	with embossing	3,12	312	
4	with embossing	3,40	340	
mean:	with embossing	3,26	326	+33,9

Research summary:

Fastening hooks with additional reinforcing embossing were characterized by greater strength, and thus the ability to transfer the load. The embossed hooks showed **up to 30% more strength**.



Magnelis®

Guarantee for use of Magnelis® ZM430 in Solar Applications

ArcelorMittal Poland S.A. provides this Magnelis® Guarantee to

STALEX
Ul. Św. Rozalii 13
97-500 Radomsko
Poland
hereafter referred to as the "Client"

Guarantee:

Usage of Magnelis® ZM430 limited to production of parts
indicated in **Table A1.1** in **Appendix 1**

relating to the quality of its Magnelis® ZM430 -type coated flat carbon steel. Subject to the conditions of this document, this guarantee covers the non-perforation and non-rupture due to corrosion, of Magnelis® steel sheet coated with 430 g/m² on both sides according to European standard EN 10346, used for solar applications, for a period of:

- 20 years of guarantee duration in locations with a distance of more than 3000 m from the seafront,
- 15 years of guarantee duration in locations with a distance of more than 1000 m up to 3000 m from the seafront and
- 10 years of guarantee duration in locations with a distance of more than 300 m up to 1000 m from the seafront

from the date of shipping by ArcelorMittal under conditions specified hereinafter (the "Magnelis® Guarantee").

Date ... 14. September 2023 ...

ArcelorMittal Poland S.A.

The Client

(s) 

(s) 

Represented by

Jérôme Guth	/	Pawel Patyk
Head of	/	Head of
Segment & Product	/	Technical Client Team
Sales Steering	/	Region East

The terms and conditions of this Guarantee will enter into force as follows: i) the Client shall return this document duly dated, initialled and signed by the authorised person(s) within thirty (30) days of the date of its receipt; or ii) this document shall be deemed to have been tacitly accepted in full by the Client upon expiry of the period of thirty (30) days from the date of its receipt.

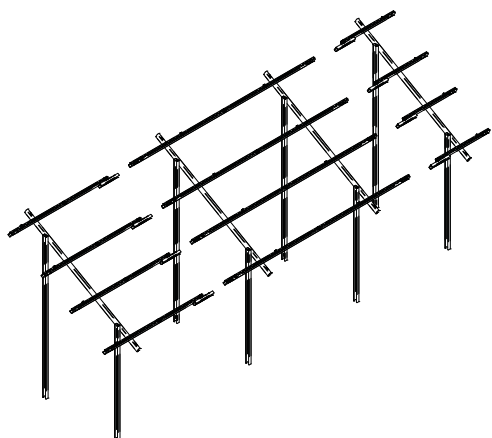
ArcelorMittal may cancel the Guarantee if it does not receive payment for coils within three (3) months of delivery.

ArcelorMittal Poland S.A. - Al. J. Piłsudskiego 92 - 41-308 Dąbrowa Górnicza, Poland
fce.technical.assistance@arcelormittal.com
PL6342463083

Stalex constructions are:

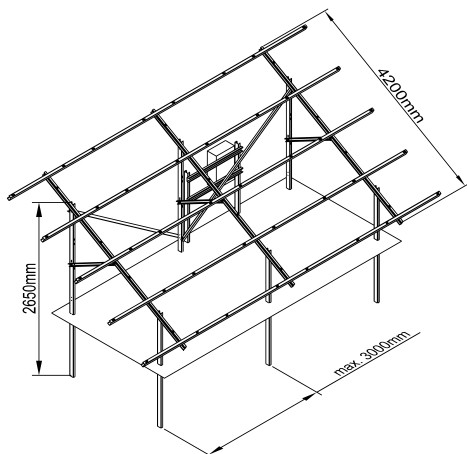
- Easy to assemble design
- no constant concentrations
- Magnelis in the ZM430 coating for elements driven into the ground, guarantees a long period of corrosion resistance
- Production of structures for individual customer orders
- Adaptation of one type of construction to all snow zones.

UNIVERSAL TABLES V2-C S30



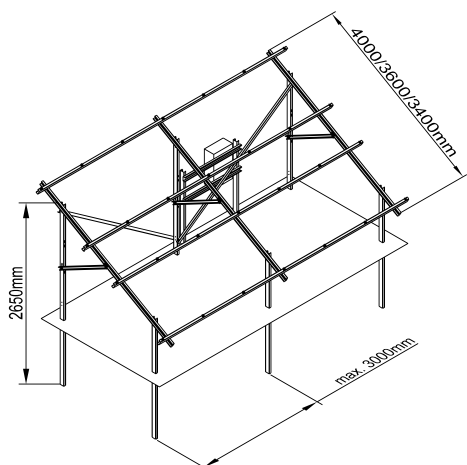
Construction:	double pole driven into the ground
Inclination angles:	30°
Module layout:	2x4, 2x5, 2x6...
Orientation:	vertical
Number of modules:	8, 10, 12...
Construction:	steel S355 + ZM 310/430 MAGNELIS
Panel Size:	according to customer data
Additional information:	Driving depth minimum 1500 mm

DEDICATED TABLES H4-C - 25/30



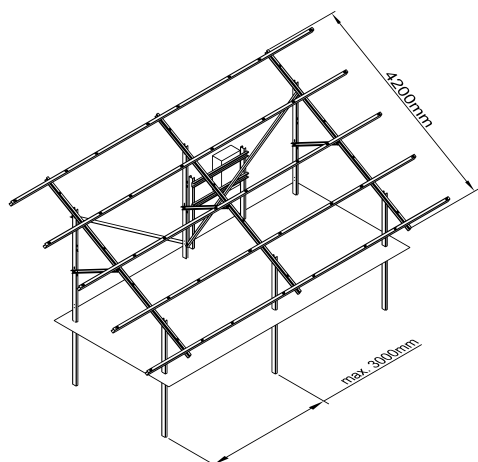
Construction:	double pole driven into the ground
Inclination angles:	adjustable 25 - 30°
Module layout:	4x4, 4x5, 4x6...
Orientation:	horizontal
Number of modules:	16, 20, 24...
Construction:	steel S355 + ZM 310/430 MAGNELIS
Panel Size:	according to customer data
Additional information:	The driving depth depends on the frost zone and soil tests

DEDICATED TABLES V2-C



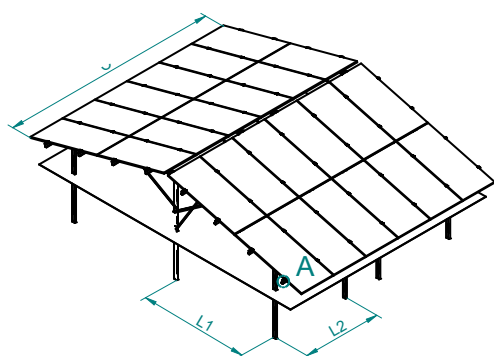
Construction:	double pole driven into the ground
Inclination angles:	adjustable 25 - 30°
Module layout:	2x5, 2x6, 2x7, 2x8...
Orientation:	vertical
Number of modules:	10, 12, 14, 16...
Construction:	steel S355 + ZM 310/430 MAGNELIS
Panel Size:	according to customer data
Additional information:	The driving depth depends on the frost zone and soil tests

DEDICATED TABLES FOR BIFACIAL MODULES H4-BC



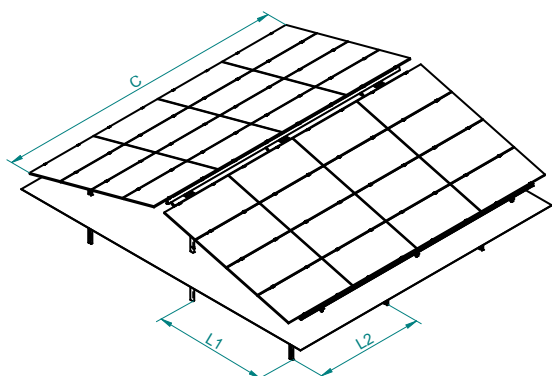
Construction:	double pole driven into the ground
Inclination angles:	adjustable 25 - 30°
Module layout:	4x4
Orientation:	horizontal
Number of modules:	16
Construction:	stal S355 + ZM 310/430 MAGNELIS
Panel Size:	according to customer data
Additional information:	The driving depth depends on the frost zone and soil tests

DEDICATED TABLES WE-V2



Construction:	double pole driven into the ground
Inclination angles:	adjustable 25 - 30°
Module layout:	2x4, 2x5, 2x6...
Orientation:	vertical
Number of modules:	16, 20, 24...
Construction:	steel S355 + ZM 310/430 MAGNELIS
Panel Size:	according to customer data
Additional information:	The driving depth depends on the frost zone and soil tests

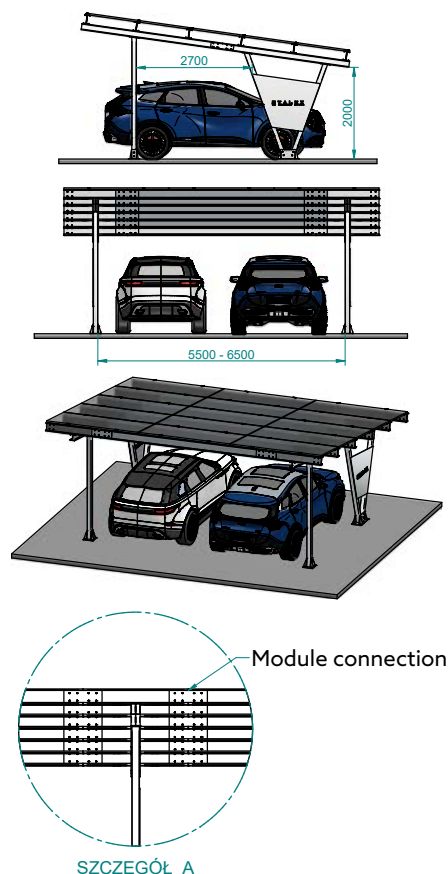
DEDICATED TABLES WE-H4



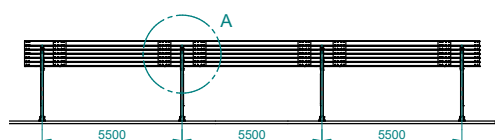
Construction:	double pole driven into the ground
Inclination angles:	adjustable 25 - 30°
Module layout:	4x4, 4x5, 4x6...
Orientation:	horizontal
Number of modules:	32, 40, 48...
Construction:	steel S355 + ZM 310/430 MAGNELIS
Panel Size:	according to customer data
Additional information:	The driving depth depends on the frost zone and soil tests

CARPORT

Two-car carport



Segmented version carport



A modern solution for your home and business

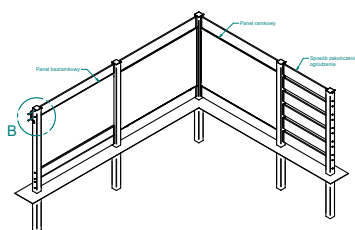
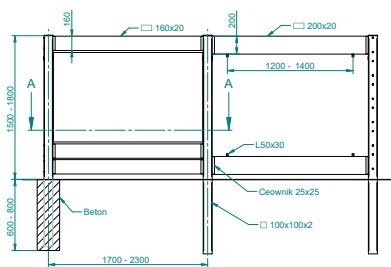
A steel structure comprising a system of specially designed steel profiles with a Magnelis coating combines durability, aesthetics, and the best usability features.

Our construction is characterized by:

- **Easy transportation:** The longest element is 4.0 meters, allowing the entire structure to be transported by a delivery van with a CVW of 3.5 tons.
- **Increased statics:** The structure is designed to be installed in a snow load zone up to 1.6 Kn/m² and a wind load zone up to 0.3 kN/m² up to 300 meters above sea level.
- **Collision-free:** The distance between the front and rear leg is 2.7 m, allowing the opening of the rear and front doors of two vehicles without damage.
- **Adjustable width:** The adjustable internal width of the carport from 5.5 m to 6.5 m, allows for easy parking of even two large cars inside the carport.
- **Modularity:** Our carports can be connected in series into parking sequences, significantly saving time and budget on a given investment.
- **Additional options:**
 - A dedicated cover with graphics chosen by the client
 - Color from the RAL palette
 - Automatic lighting with a motion sensor
- **Carports dedicated for market solutions and large-area parking lots, specifically designed for such investments.**



PV FENCE



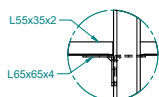
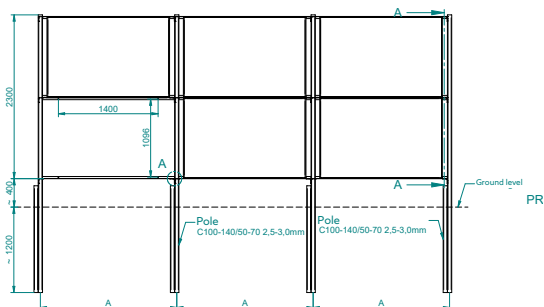
Photovoltaic fences are characterized by:

- A fence height of up to 2.9 meters (vertical layout V1, horizontal H1)
- Snow will not accumulate on vertically mounted panels during winter, making the entire installation much more efficient in the winter period
- The snow reflects sunlight, directing it onto the vertically mounted panels, increasing energy production
- A 10-year warranty with an option to extend to 20 years
- Additional options:
 - Color from the RAL palette
 - Decorative panels

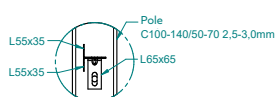
AGRO PV FENCE

STRUCTURES FOR AGRICULTURE

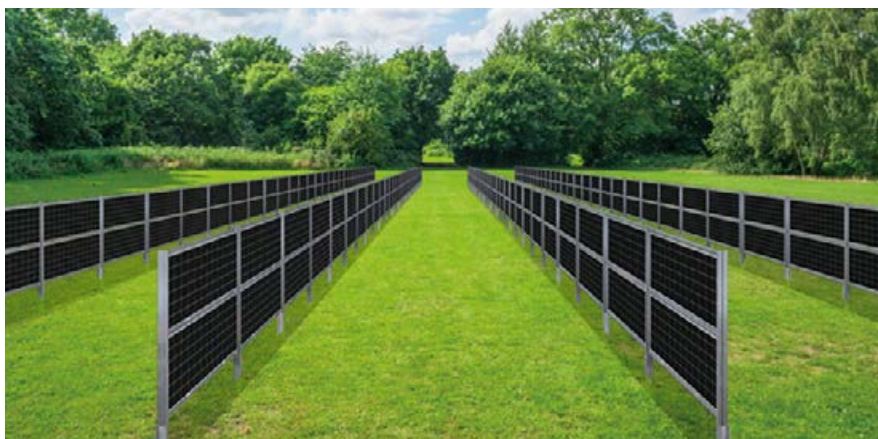
- Fence height up to 5 meters (vertical layout V2, horizontal H3)
- Panels occupy only about 1% of the cultivated field area
- Protection against intense winds
- The structures can be used, among other things, to fence fruit orchards.



Detail A



Detail B



T2.7-M5-0034790, Revision: 6

CERTIFICATE

conformity of the Factory Production Control

2627-CPR-1090-1.PL0464.TÜVRh.22.01

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulations - CPR)

This certificate applies to the following construction product:

Construction product	Structural components and kits for steel and aluminium structures to EXC2 according to EN 1090-2:2018, EN 1090-4:2018, EN 1090-5:2017
Intended use	for load-bearing structures in all types of buildings and for thin-gauge, cold-formed steel elements and structures for roof, ceiling, floor and wall applications
CE-marking method	ZA.3.2, ZA.3.4 according to EN 1090-1:2009+A1:2011
Manufacturer	STALEX Przedsiębiorstwo Handlu i Obróbki Metali Sp. z o.o. ul. Świętej Rozalii 13 97-500 Radomsko Polska
Manufacturing plant <small>Production facility of the manufacturer</small>	ul. Świętej Rozalii 13, 97-500 Radomsko
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements.
Date of first issue	30.11.2022
Validity	This certificate will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.
Next Surveillance inspection	29.11.2026
Place and date of issue	Zabrze, 28.02.2024

Leszek Zadroga
Leszek Zadroga
Notified Body

www.tuv.com



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Precisely Right.

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TZ.7-MS-0034790, Revision: 6

CERTIFICATE

conformity of the Factory Production Control

2627-CPR-1090-1.PL0465.TÜVRh.22.00

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulations - CPR)

This certificate applies to the following construction product:

Construction product	Structural components and kits for steel structures to EXC2 according to EN 1090-4:2018
Intended use	for thin-gauge, cold-formed steel elements and structures for roof, ceiling, floor and wall applications
CE-marking method	ZA.3.2, ZA.3.4 according to EN 1090-1:2009+A1:2011
Manufacturer	STALEX Przedsiębiorstwo Handlu i Obróbki Metali Sp. z o.o. ul. Świętej Rozalii 13 97-500 Radomsko Polska
Manufacturing plant <small>Production facility of the manufacturer</small>	ul. Świętej Rozalii 13, 97-500 Radomsko
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements.
Date of first issue	30.11.2022
Validity	This certificate will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.
Next Surveillance inspection	29.11.2023
Place and date of issue	Zabrze, 30.11.2022

Leszek Zadroga

Leszek Zadroga
Notified Body

TÜV, TÜV and TÜV are registered trademarks. Utilisation in application requires prior approval.

T2.7-MS-0034790, Revision: 6

CERTIFICATE

conformity of the Factory Production Control

2627-CPR-1090-1.PL0466.TÜVRh.22.00

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulations - CPR)

This certificate applies to the following construction product:

Construction product	Structural components and kits for aluminium structures to EXC2 according to EN 1090-5:2017
Intended use	for thin-gauge, cold-formed steel elements and structures for roof, ceiling, floor and wall applications
CE-marking method	ZA.3.2, ZA.3.4 according to EN 1090-1:2009+A1:2011

Manufacturer	STALEX Przedsiębiorstwo Handlu i Obróbki Metali Sp. z o.o. ul. Świętej Rozalii 13 97-500 Radomsko Polska
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Manufacturing plant <small>Production facility of the manufacturer</small>	ul. Świętej Rozalii 13, 97-500 Radomsko
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Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements.
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Date of first issue	30.11.2022
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Validity	This certificate will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.
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Next Surveillance inspection	29.11.2023
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Place and date of issue	Zabrze, 30.11.2022
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Leszek Zadroga

Leszek Zadroga
Notified Body

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DEKLARACJA WŁASNOŚCI UŻYTKOWYCH DECLARATION OF PERFORMANCE DWU/SX/01/2022		
Zlecienniodawca: Purchaser:		
Projekt : Project:	Zestaw konstrukcyjny: Kompletny system mocowań modułów fotowoltaicznych na dachy skośne.	
Projekt SX Nr: Project SX No.:	01/2022	
Przewidziane zamierzone zastosowanie: Intended use of the construction product:	Budownictwo i obiekty inżynierii lądowej do zastosowania na zewnątrz i wewnątrz zgodnie z EN 1090 / Construction and civil engineering facilities for outdoor and indoor use acc. EN 1090	
STALEX	STALEX Przedsiębiorstwo Handlu i Obróbki Metali sp. z o. o. ul. Św. Rozalii 13 97-500 Radomsko	CE 2627
Systemy oceny i weryfikacji stałości właściwości użytkowych : System of assessment and verification:		2+
TÜV Rheinland Polska Sp. z o.o. ul. Wolności 347, 41-800 Zabrze, Polska Jednostka Notyfikowana/ Notification Body no. Nr 2627		
<p>Producent potwierdza na podstawie Certyfikatu Zakładowej Kontroli Produkcji Nr: NR 2627-CPR-1090-1.PL0464.TÜVRh.22.00 niżej wymienione właściwości użytkowe w odniesieniu do specyfikacji elementu: The notified production control certification body shall issue the certificate of conformity (No.: NR 2627-CPR-1090-1.PL0464.TÜVRh.22.00) of the factory production control.</p>		
Zasadnicze charakterystyki Essential characteristic	Właściwości Performance	Zharmonizowana specyfikacja techniczna Harmonised techn. specif
Tolerancje wymiarów i kształtów: Tolerances on geometrical data	Zgodnie z/ according to EN 1090-2 klasa 1	EN 1090-1:2009 + A1:2011
Spawalność: Weldability	S235JR wg EN 10025-2 S235JR acc. to EN 10025-2	EN 1090-1:2009 + A1:2011
Odporność na kruche pękanie: Fracture toughness	Min 27 J (+20°C)	EN 1090-1:2009 + A1:2011
Reakcja na ogień: Reaction to fire	Klasa A1	EN 1090-1:2009 + A1:2011
Wydzielanie kadmu: Release of cadmium	NPD	EN 1090-1:2009 + A1:2011
Radioaktywność: Emission of radioactivity	NPD	EN 1090-1:2009 + A1:2011
Trwałość: Durability	15 lat. kategoria korozyjności :C5 (stal z powłoką Magnelis® i dla stali nierdzewnej) ; C3 aluminium niemalowane	EN 1090-1:2009 + A1:2011
Nośność: Load bearing capacity	NPD	EN 1090-1:2009 + A1:2011
Wytrzymałość zmęczeniowa: Fatigue strength	NPD	EN 1090-1:2009 + A1:2011
Odporność ogniowa: Resistance to fire	NPD	EN 1090-1:2009 + A1:2011
Klasa Konstrukcji: Manufacturing class	Zgodnie z/ according to EN 1090-2, EXC 1, EXC 2	EN 1090-1:2009 + A1:2011
Deklarowanie własności stalowego wyrobu budowlanego odpowiadają właściwościom zadeklarowanym w powyższej tabeli stanowiącego przedmiot dostawy. Odpowiedzialnym za wystawienie niniejszej deklaracji własności użytkowych jest tylko producent. W imieniu producenta deklaracja została podpisana przez:		

Radomsko, dnia 21.11.2022r.


PREZES ZARZĄDU
Wojciech Post




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