



# PHOTOVOLTAIC FIXING ELEMENTS

PRODUCTS CATALOGUE

37

## FOR GREEN ENERGY



**Tecnosystemi S.p.A. Società Benefit** it is a company with an area of 33,000 m<sup>2</sup> and an area of 12.500 m<sup>2</sup> which soon became one of the most important companies in its sector, a constantly expanding industrial reality.

In recent years, technological innovation and constant research on materials and processing techniques have made the Tecnosystemi group a prestigious brand and reference worldwide.

**Tecnosystemi S.p.A. Società Benefit** produces a wide range of specialised and diversified products resulting from concerted team work through collaboration, research, tests and trials. Therefore, in 2012, we chose to create eight registered trademarks to identify and distribute our products in Italy, Europe and worldwide:

**Smart clima, Apply Air, Apply.co, Galaxy, Project wind, Toolsplit, Happy Clean, Showgas e FV Power**



The most complete professional range of accessories for air conditioning: trunking for air conditioning, ready-to-plumb enclosures, brackets, floor mounting blocks, condensate drain pipes, copper pipes, protective systems, etc. Functional and innovative products.



Research of design, care of details, high performances and attention to energy consumption are the elements that highlight the offer of air curtains available in over 50 residential and industrial models: at ambient temperature, with heating element, etc...and a wide range of accessories.



Targets to the designers and installers who use high quality v.A.C. Systems combining high efficiency heat recovery units (from 75% to 90%) with air diffusion elements, using easy and quick installation accessories. The use of high quality components and units allow to have excellent results in terms of performances and comfort.



The management of temperatures in houses and offices has never been so simple: from now on there is proair, the interaction among the innovative touch screen chronothermostats, the control unit and the electric dampers guarantee an ideal climate. The system integrates perfectly in every environment thanks to its elegant design.



Creating the ideal climate and comfort at home as in the office is possible thanks to our offer of: duct pipes, supply and return grilles, round and square diffusers, extractors and accessories.



A complete line of tools and instruments for air conditioning and refrigeration, proposed to meet all the installation needs: vacuum pumps, pressure gauge units, scales, tube flangers, fittings, refrigerant gases, cleaning products, etc..



The brand has a range of products for individual protection was born, such as: overalls, goggles, gloves and sanitisers for indoor units, products and machines for cleaning condensing coils, complete kits with sanitising products for a full cleaning of filters and condensate water. UV bactericidal lamps to be used in ducts, plenums, air conditioners, in the AHU branches and in heat recovery systems. A line of useful products dedicated to the protection of the installer, to allow proper protection in the workplace.



In addition to the wide range of products for air conditioning, ventilation, tools and photovoltaic systems, since 2013 tecnosystemi offers the range of products and accessories for heating. A complete series of accessories to satisfy the different system solution.



Fixing elements and accessories in stainless steel and aluminum for photovoltaic systems. A perfect, easy to use and reliable system for every type of installation: tile coverings and all kinds of roofs.

# OUR HISTORY



## 1996

### THE TRANSITION TO PRODUCTION COMPANY

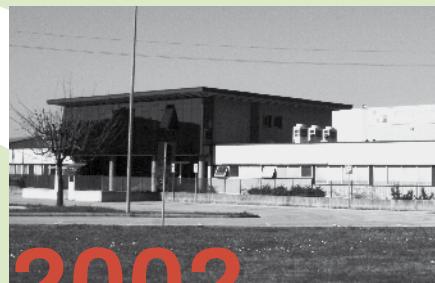
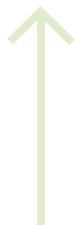
One of the first major transformations that led the company to embark on a virtuous path that is still evolving today.



## 1992

### THE FIRST TECNOSISTEMI IS BORN

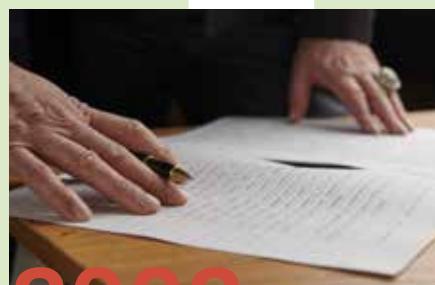
Officially established in 1992, the company began its journey in its first location in Susegana.



## 2002

### THE TRANSFER TO VITTORIO VENETO

Tecnosistemi moved to a 20,000 square metre production facility on a 33,000 square metre site in the Vittorio Veneto industrial area, after moving the factory twice.



## 2003

### A STRATEGIC CHANGE OF PERSPECTIVE TOWARDS THE FUTURE OF TODAY

The Company evolves with today's corporate asset which marks its definitive take-off.



## 2017

### INSTALLATION 500 kW PHOTOVOLTAIC SYSTEM



# 2021

## TECNOSYSTEMI BECOMES A BENEFIT CORPORATION

The Company becomes a Benefit Company: by rewriting its corporate purpose, it is concretely committed to generating a positive impact on the environment and on the community, effectively continuing a path that had already begun years earlier.



# 2022

## COMPLETION OF THE PHOTOVOLTAIC SYSTEM

At the beginning of 2022, the entire photovoltaic system was completed which, with its power of 1172.36 kWp, covers 85% of Tecnosystemi's production needs.



# 2020

## TECNOSYSTEMI REDESIGNS THE EXECUTIVE HEADQUARTERS

The head office is redesigned by redesigning the reuse of a building that is now obsolete and not very much in line with the company's values.



# 2023

## A NEW PRODUCTION PLANT

With continued growth and a vision always open to large projects, in 2022 Tecnosystemi expands with the acquisition of a new 12,300 m<sup>2</sup> plant on a 23,500 m<sup>2</sup> site. The energy transition continues with the expansion of the photovoltaic system at the company's two factories, with a total installed capacity of 1.6 MW.

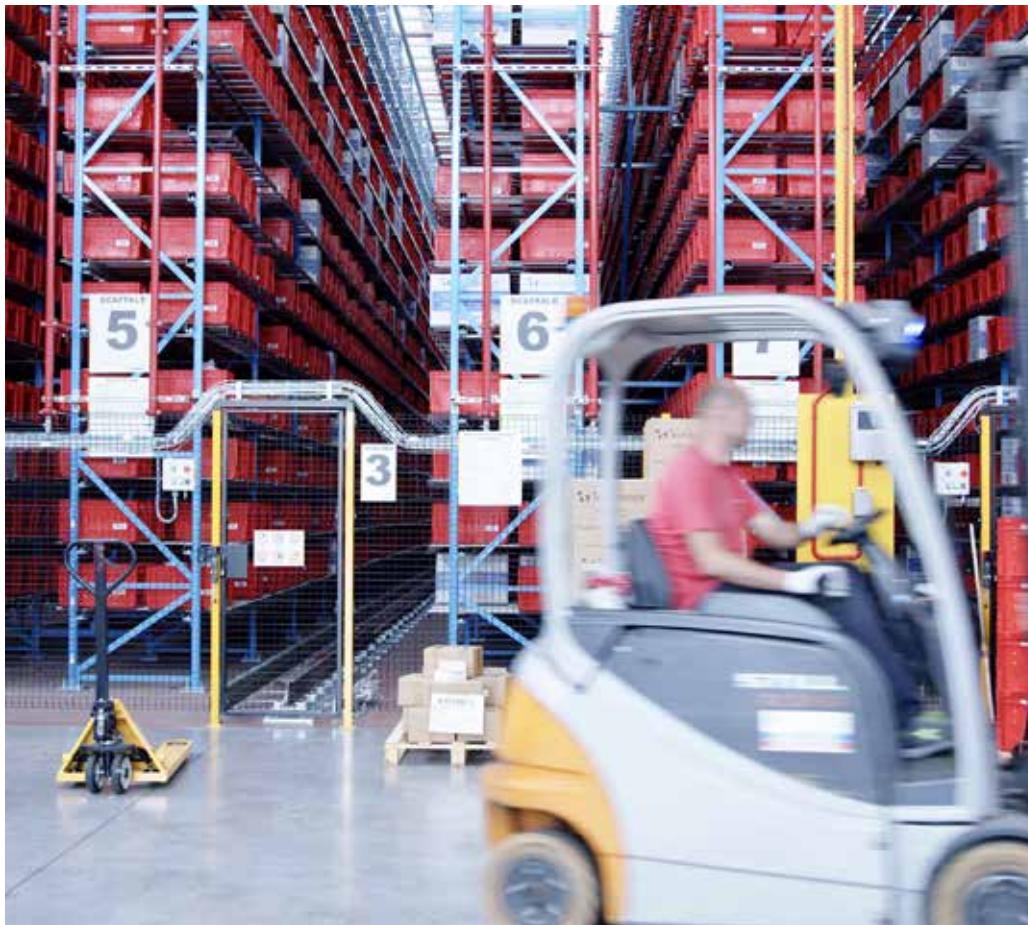


# 2019

## EXTENSION OF THE PRODUCTION PLANT



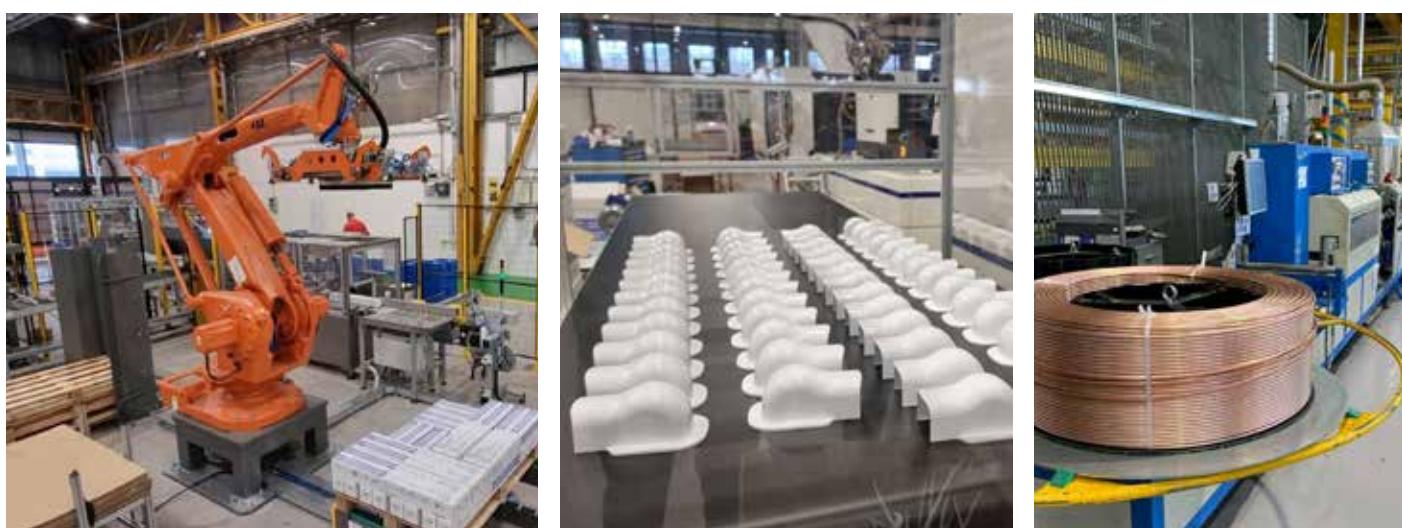
# PRODUCTION COMPANY





# PRODUCTION COMPANY





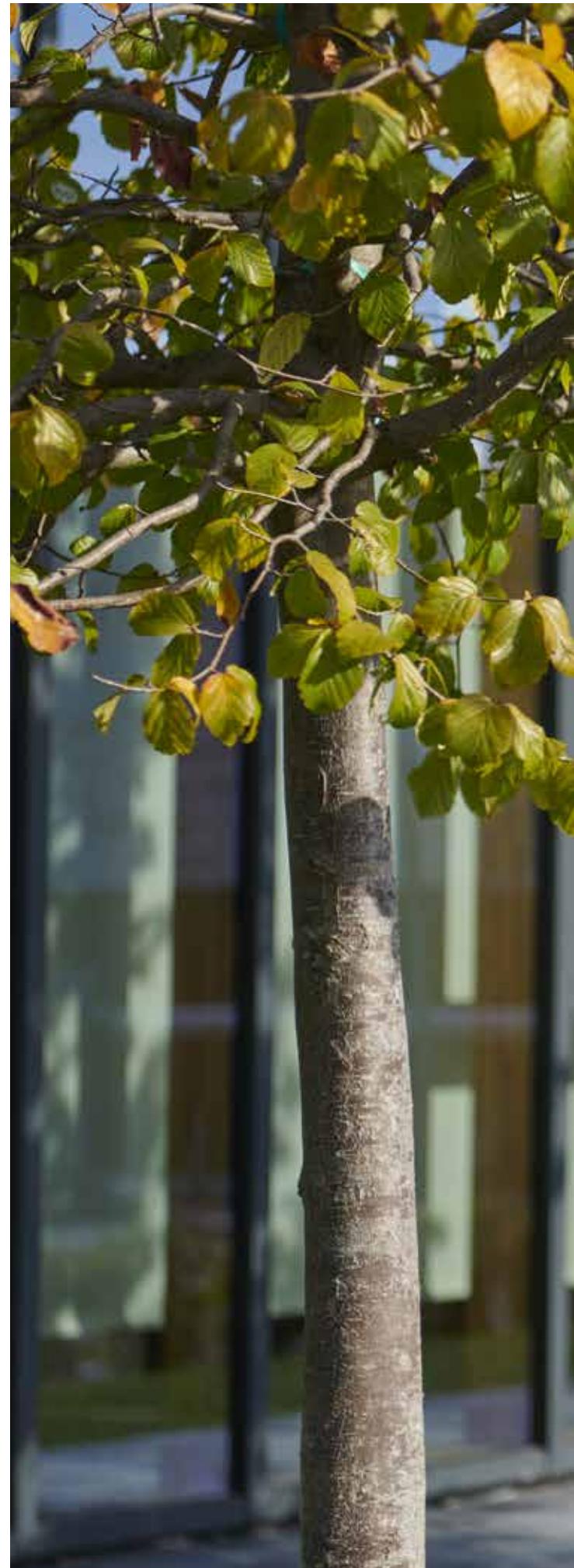
# **WHEN SUSTAINABILITY BECOMES RESPONSIBILITY**

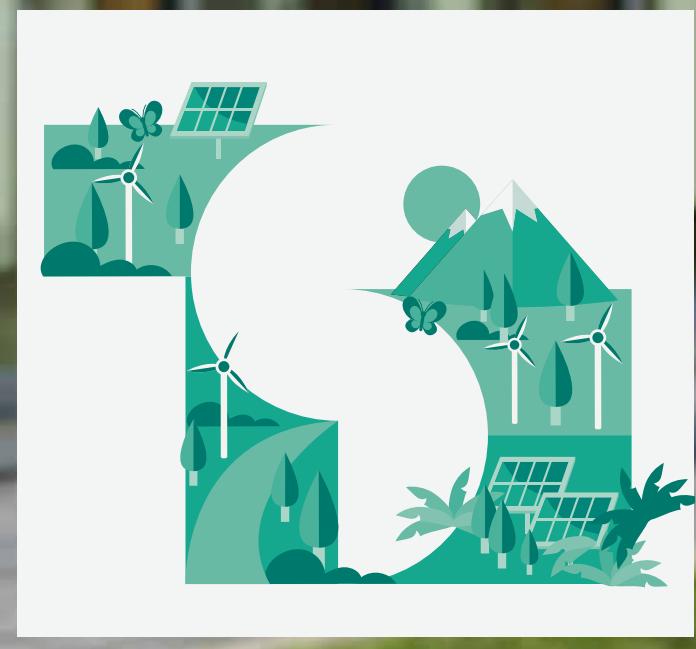
**Social responsibility** and **transparency** are the core values that have made us stand out in over thirty years of experience in the manufacture of accessories and components for the air-conditioning, ventilation and photovoltaic sectors, operating on the national and international market with a new business model aimed at creating value for all stakeholders.

A new model of entrepreneurship that looks a little beyond the boundaries of our business and embraces a **civic duty to care for the people, the land, the environment and the community**. A new way of doing business and being a company, with a defined and precise role, which led us to the decision to become a **Benefit Company**, with the aim of going beyond the word "**sustainability**" and putting a concrete commitment on paper. A concrete commitment that began with an important decision: to change our company name and our Articles of Association.

**We chose the Benefit Company model because we believe that our stakeholders need substance, facts.** Concrete actions that must be thought out, planned and shared. We cannot do business without considering our impact, which we must be fully responsible for and aware of.

**We have decided to focus our business on four key issues, called Common Benefit Goals, which we measure and communicate annually with facts and figures.**





# CLIMATE ACTION

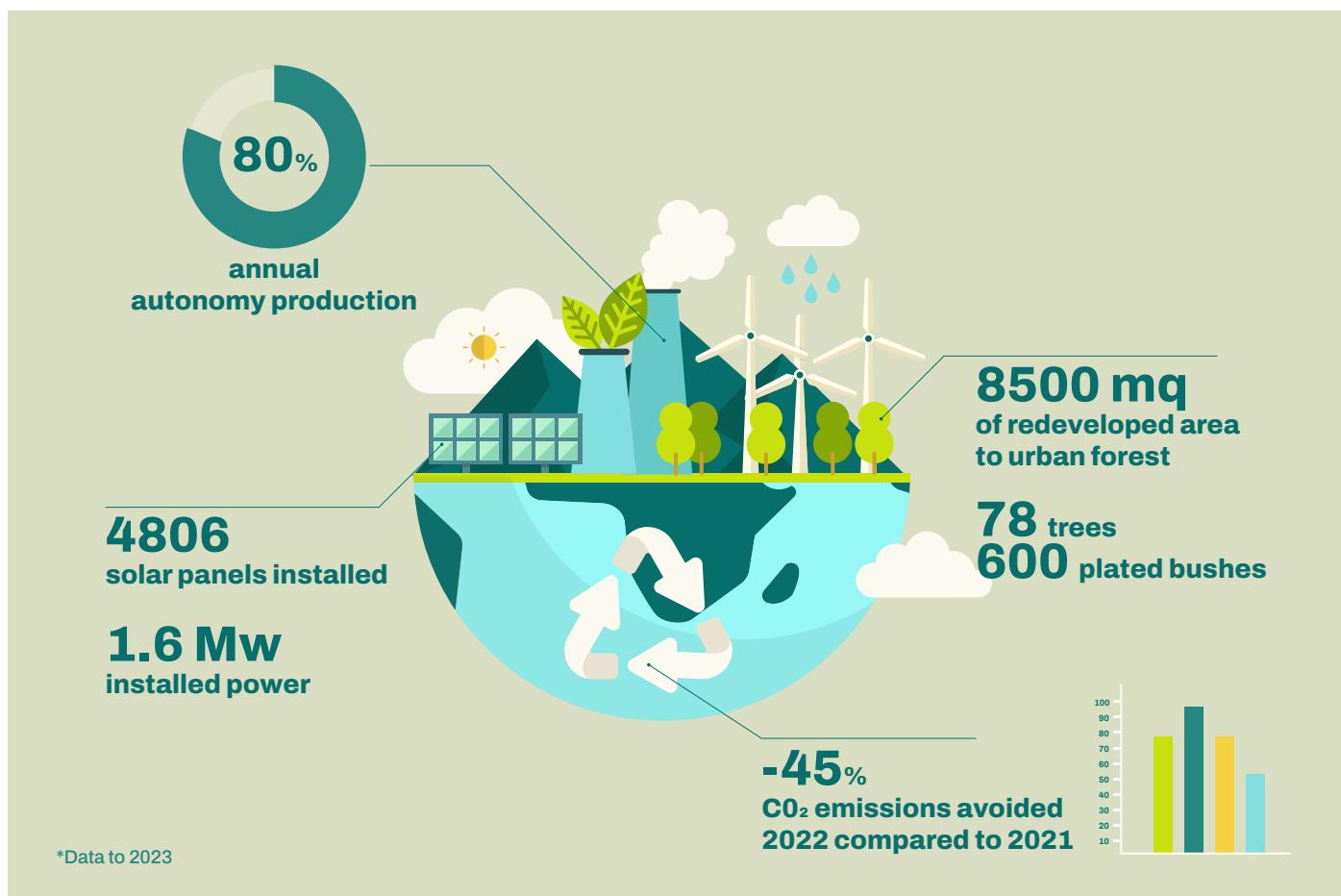
We pursue business development with a concrete commitment, in partnership with our stakeholders, to **combat climate change and reduce the emissions responsible for global warming.**

We measure emissions to reduce our impact: our vision is medium to long term; we do not just focus on day-to-day activities, but plan and implement projects aimed at **protecting the environment** not only for our community but also by developing a sensitivity and awareness for the future of future generations.

Among the various active projects are the **installation and expansion of a large photovoltaic park on both the company's production plants, the launch of an energy audit to map the energy consumption related to the production of the plants, and the urban forestation project**, a real project to regenerate the urban green area in our industrial zone and in front of our company.

We want to seize a valuable opportunity to give a park to the industrial area, a green space for people that can create well-being for the community and the environment, with a significant reduction in emissions.

## OUR FIGURES



# TAKE ACTION FOR PEOPLE

Our mission has always been to **highlight the value of individuals and their skills**. Everyone has areas in which they excel; the key is to identify those areas and use them to promote the growth of employees.

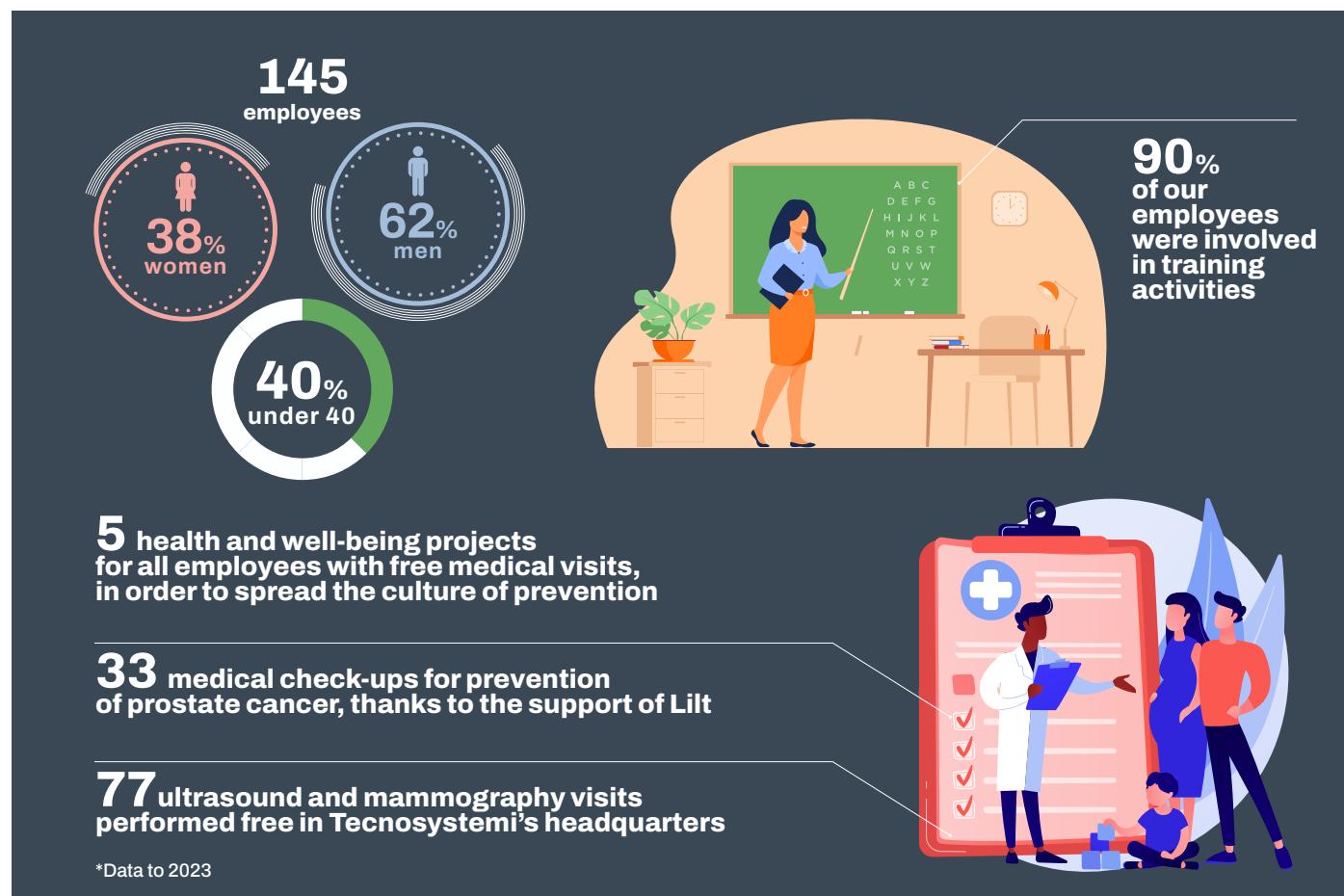
We are committed to developing and enhancing the skills of our employees, with specific training activities, in which we invest on an ongoing basis. To this end, we provide assessment projects to appropriately support development and career paths, with a view to enabling each individual to express their aptitudes and potential.

A priority area for us is the **health and well-being of our employees** with a focus on the culture of **prevention** through the organisation of information and awareness-raising meetings together with the annual offer of **free specialist examinations and check-ups** for all our employees.

We have always invested in optimising health and safety conditions in the workplace, with the continuous improvement of our management system, which is accompanied by constant interventions aimed at improving the healthiness of the environment in which our employees work.

There are also several projects aimed at increasing the level of engagement of employees and collaborators, in the knowledge that this can have a positive impact not only on the personal well-being of employees, but also on the corporate climate by **fostering a sense of belonging**. **Human capital is the true wealth of companies**.

## OUR FIGURES



# PRODUCING RESPONSIBLY

We are committed to developing innovative processes and products that encourage the adoption of conscious and sustainable practices in the supply chain.

**We produce with a strong sense of responsibility**, through a study aimed at making processes more efficient, optimising consumption and reusing materials that can have a new life in an increasingly virtuous model of the circular economy.

**For us, circularity is an extremely virtuous project and objective**. We are committed to minimising the waste of resources to reduce negative environmental impacts by reusing production waste in the manufacturing process to make new products.

## We give waste a new life.

Our focus is on the entire supply chain, from materials to the product itself.

We have conducted specific studies and in-depth research in order to increase the virtuous use of materials that have characteristics consistent with our circular economy model, both for our products and their packaging. In particular, in 2022 we chose to use bio-based, compostable biodegradable, recyclable or recycled materials wherever possible in the manufacture of our products. In order to pursue the great goal of a sustainable transition, we felt it was essential to define precise strategies to reduce consumption and impact: hence the Product LCA project, which this year allowed us to analyse the entire life cycle of the Optima duct, understanding its impact categories with the aim of analysing and communicating our environmental performance.

**As of this year, all our electricity comes from our photovoltaic plants and other renewable electricity sources.**

## 100% Green Certified Energy

**41** tons of recycled PVC from our production waste in 2022 and reintroduced to produce new products

**41**% of the materials used for the production of products derives from bio-based, compostable, recyclable or recycled materials (2022)

**23,4** tons of bio-based materials, compostable, recyclable or resulting materials from recycling were used for packaging

\*Data to 31/12/2022

# ACTING FOR THE TERRITORY

We contribute to the social and cultural development of the territory by actively supporting charitable organisations and promoting initiatives and projects that promote the well-being of the community. We want to work for the benefit of the local area by contributing to research, integration and culture. In particular, our commitment to the pursuit of the 'Acting for the Territory' objective focuses on three macro-areas.

the first area of action aims to **improve the health and well-being of the community**, by supporting scientific research and implementing healthcare measures, for health protection and prevention;

The second area aims to **promote in the territory the culture of equal opportunities** respect and inclusion, helping to break down both physical and digital 'barriers'.

The third area concerns the **cultural development of the territory**. In the first phase, our contribution was mainly in the form of financial support to organisations operating in the identified areas.

**Over time, our aim is to actively participate in development, social and cultural projects in the territory, in addition to disbursing funds to support the activities of the recipient organisations.**

We have chosen our partnerships carefully and are committed to developing and nurturing them each year.

## OUR PROJECTS







*Our greatest value  
is the Team*



# A CERTIFIED COMPANY

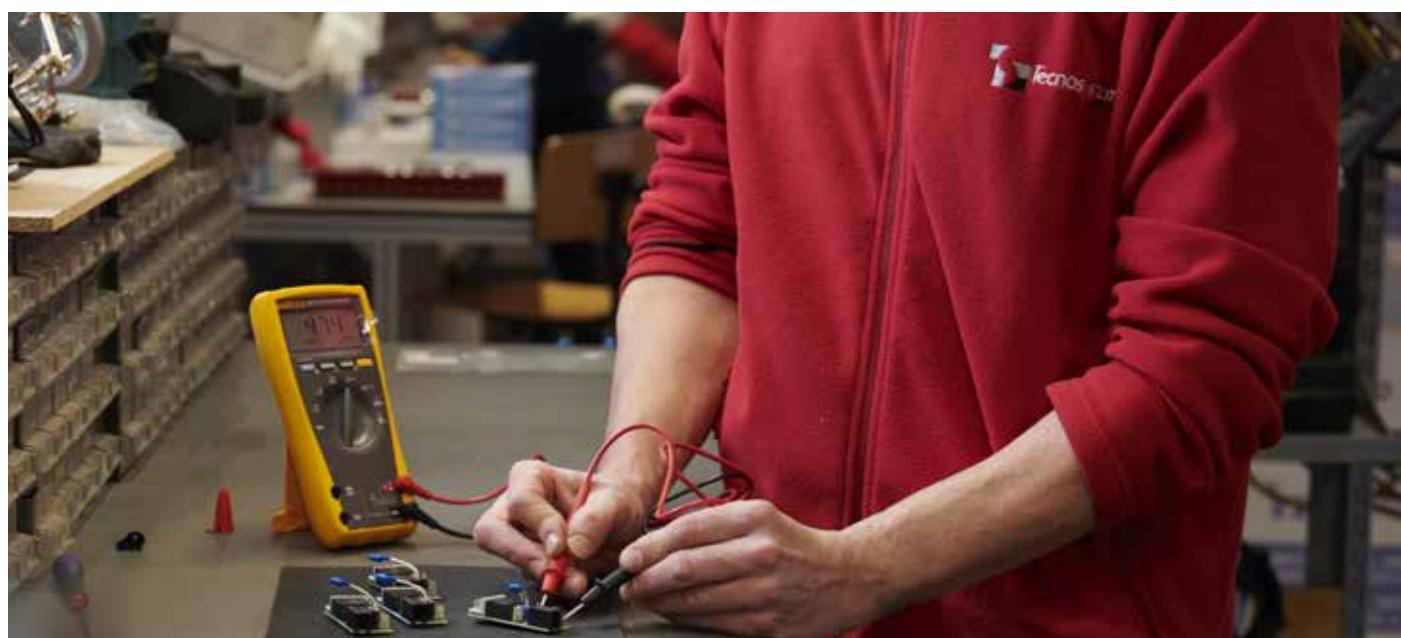
## Certification, research and quality

Thanks to investments in new technologies, the continuous improvement of our processes and the enhancement of the skills of our technicians, we are able to develop high quality, functional and cutting-edge products within our research and development division.

The ISO 9001 quality management system certification is the further guarantee of an organised and continuously improving corporate structure.

With the ISO 45001:2018 certification in terms of health and safety, we are able to structure a safe working environment, which all our people care about.

We are increasingly attentive to environmental impact issues with the relative launch of the project to implement a company management system that is compliant with the UNI EN ISO 14001:2015 standard.



# **OUR CUSTOMER SERVICES**

## *Always closer to our customers*

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After-sales technical support  
[assistenza@tecnosystemi.com](mailto:assistenza@tecnosystemi.com)

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Dimensioning and specification  
development  
[preventivi@tecnosystemi.com](mailto:preventivi@tecnosystemi.com)

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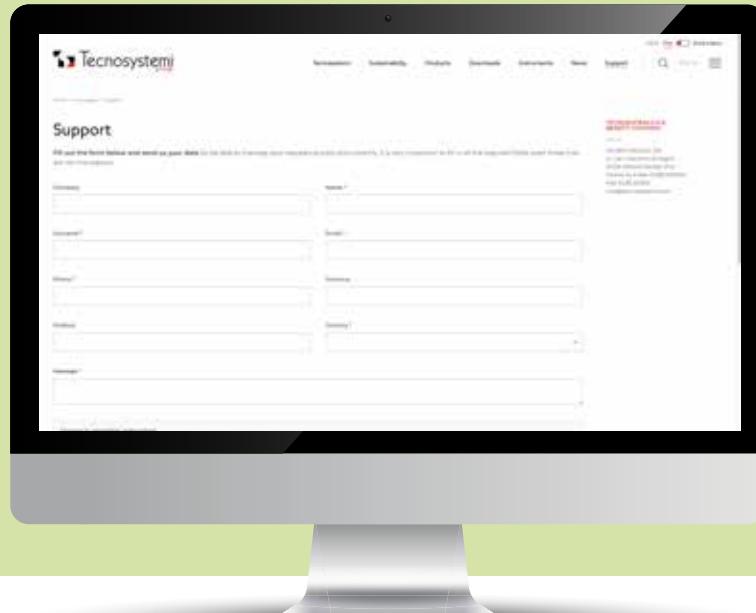
Returns Management  
[gestioneresi@tecnosystemi.com](mailto:gestioneresi@tecnosystemi.com)

System start-up  
Proair Multi-zone  
Management



**YOU CAN NOW REQUEST  
TECHNICAL SUPPORT  
DIRECTLY  
FROM OUR WEBSITE**

<https://www.tecnosystemi.com/en/pro/support>



## ATTENTION TO DETAIL, FAST INSTALLATION, SAFETY, ASSURANCE, QUALITY AND ... **CUSTOMER CARE!**



**FVPOWER**, an Italian leader in the production of a broad range of photovoltaic mounting systems offers **solutions tailored to technical and market needs**, developing **high-tech products** that ensure top performance in terms of **quality and service**.

FVPOWER boasts an extensive national and international network, serving as a point of reference for all companies that appreciate reliability and are looking for best results.

The continuous professional training of staff ensures a state-of-the-art and reliable product, and the certainty of ongoing customer care before and after the sale.

***Our aim: to meet customers' expectations.***

The FVPOWER line of supports for solar panels represents a new benchmark in the field of photovoltaic panel installation systems, characterised by sturdy and reliable components allowing perfect installation in just a few simple steps.

The profiles and accessories in stainless steel used to fix the panels have been designed in accordance with the highest standards and offer the usual guarantee of safety and quality setting us apart.

Tecnosystemi S.p.A. Società Benefit **GUARANTEES ITS FASTENERS** thanks to its high production standards and the quality of the materials used.

# A VERSATILE AND SAFE SYSTEM TO SATISFY ALL NEEDS.

The FVPOWER system adapts to most tiled and sheet metal roofs and is the ideal mounting system offering versatility and safety for all types of applications.

In addition to the broad range of catalogue products, FVPOWER also produces custom fasteners and structures according to the customer's needs, agreeing on costs and delivery times in advance.



## ASSEMBLY SOLUTIONS

### TOTAL INTEGRATION

Solutions for applications allowing innovative installations aimed at the architectural integration of photovoltaic systems.

### PARTIALLY INTEGRATED

The market offers countless solutions for the partial integration of photovoltaic systems on pitched roofs. Stability, compatibility, reliability and a reasonable price-performance ratio are the key characteristics of a competitive mounting solution.

### SOLUTION FOR FLAT ROOFS

Simple and fast assembly on all flat roofs.

## CONFIGURE YOUR SYSTEM

ON THE WEBSITE [WWW.TECNOSYSTEMI.COM](http://WWW.TECNOSYSTEMI.COM)

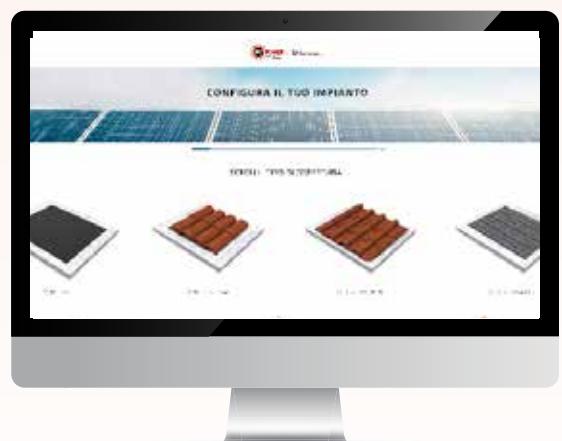
## INCREASING TECHNICAL SUPPORT WITH THE CONFIGURATOR TO CALCULATE THE STRUCTURES

In addition to the ongoing support of our technical team, customers can use the configurator to calculate the structures, available on our website [www.tecnosystemi.com](http://www.tecnosystemi.com). This is an indispensable tool designed and created to facilitate the work of draughtspeople, installers and engineers in calculating the bill of materials needed to assemble the support structure of a photovoltaic system.

In just a few simple steps, the configurator can provide the necessary calculations for the correct installation of the photovoltaic system, optimising the number of elements to be used according to the needs dictated by the project. The program will quickly generate the bill of materials complete with codes and descriptions.

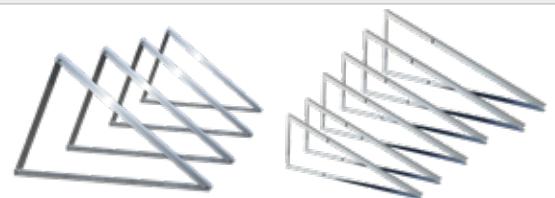
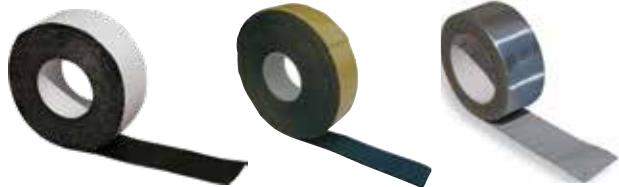
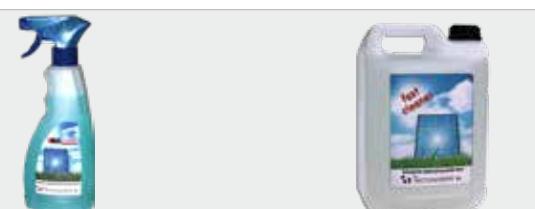
## QUALITY PRODUCTS AND SERVICES

The quality of a product depends on its design, the materials used to make it, and how it's built. We are committed to achieving the highest level of product quality and reliability day after day to satisfy our customers. This is a key element of our company's culture and values.



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CONNECTOR**100**PROFESSIONAL DETERGENT  
FOR PHOTOVOLTAIC / THERMAL PANELS

# PROFILES



## FVP 250

MADE IN ITALY

### MEDIUM-STRENGTH PROFILE



#### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINUM ALLOY 6060
- PROFILE WEIGHT: 0.65 KG/M.
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH145
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- INERTIA TORQUE: IX: 24469 MM4, IY: 45213 MM4
- MODULUS OF RESISTANCE: WX: 1529 MM3, WY: 2380 MM3
- EQUIPPED WITH NON-SLIP GROOVES

### PROFIL DE RÉSISTANCE MOYENNE



#### CARACTÉRISTIQUES TECHNIQUES

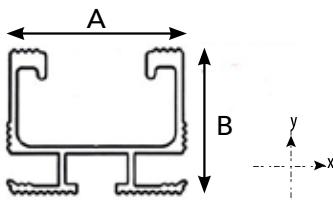
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 0,65 KG/M.
- POSSIBILITÉ DE POSE AVEC ENTRETOISE HDPH145
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- MOMENT D'INERTIE : IX : 24469 MM4, IY : 45213 MM4
- MODULE DE RÉSISTANCE : WX : 1529 MM3, WY : 2380 MM3
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES

### MITTELFESTES PROFIL



#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- GEWICHT PROFIL: 0,65 KG/M.
- MÖGLICHKEIT DER INSTALLATION MIT ABSTANDSHALTER HDPH145
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- TRÄGHEITSMOMENT: IX: 24469 MM4, IY: 45213 MM4
- WIDERSTAND MODUL: WX: 1529 MM3, WY: 2380 MM3
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN



### PATENTED PRODUCT

To mount the profile with the roof brackets, use: bolt M8 x 25 (pag.94) - Hammer head screw M8 x 30 (pag.95)

CODE	DESCRIPTION	LENGTH [mm]	A [mm]	B [mm]
FVD100021	PROFILE FVP-250/3.3	3300	38	30
FVD100038	PROFILE FVP-250/3.6	3600	38	30
FVD100022	PROFILE FVP-250/4.4	4400	38	30
FVD100039	PROFILE FVP-250/4.7	4700	38	30
FVD100030	PROFILE FVP-250/6.6	6600	38	30

Datasheet



# FVP 300

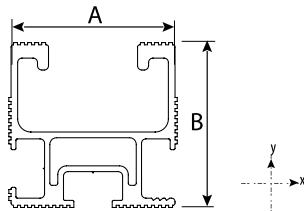
MADE IN ITALY

## HIGH-STRENGTH PROFILE



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- PROFILE WEIGHT: 0.9 KG/M.
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH145
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- INERTIA TORQUE: IX: 48084 MM<sup>4</sup>, IY: 54233 MM<sup>4</sup>
- MODULUS OF RESISTANCE: WX:2357 MM<sup>3</sup>, WY: 2810 MM<sup>3</sup>
- EQUIPPED WITH NON-SLIP GROOVES



## PROFIL HAUTE RÉSISTANCE



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 0,9 KG/M.
- POSSIBILITÉ DE POSE AVEC ENTRETOISE HDPH145
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- MOMENT D'INERTIE : IX : 48084 MM<sup>4</sup>, IY : 54233 MM<sup>4</sup>
- MODULE DE RÉSISTANCE : WX:2357 MM<sup>3</sup>, WY: 2810 MM<sup>3</sup>
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES



## HOCHFESTES PROFIL



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- GEWICHT PROFIL: 0,9 KG/M.
- MÖGLICHKEIT DER INSTALLATION MIT ABSTANDSHALTER HDPH145
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- TRÄGHEITSMOMENT: IX: 48084 MM<sup>4</sup>, IY: 54233 MM<sup>4</sup>
- WIDERSTAND MODUL: WX:2357 MM<sup>3</sup>, WY: 2810 MM<sup>3</sup>
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN

### PATENTED PRODUCT

To mount the profile with the roof brackets, use: bolt M8 x 25 (pag.94) - Hammer head screw M8 x 30 (pag.95)

Datasheet



# FVP 400

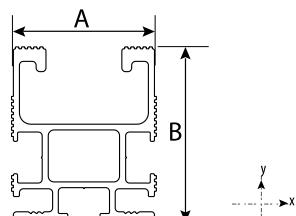
MADE IN ITALY

## HIGH-STRENGTH PROFILE



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- PROFILE WEIGHT: 1.20 KG/M.
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH145
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- INERTIA TORQUE: IX: 73342 MM<sup>4</sup>, IY: 92692 MM<sup>4</sup>
- MODULUS OF RESISTANCE: WX: 2922 MM<sup>3</sup>, WY: 4853 MM<sup>3</sup>
- EQUIPPED WITH NON-SLIP GROOVES



## PROFIL HAUTE RÉSISTANCE



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 1,20 KG/M.
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- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES



## HOCHFESTES PROFIL



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- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
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- AUSGESTATTET MIT RUTSCHFESTEN RILLEN

### PATENTED PRODUCT

To mount the profile with the roof brackets, use: bolt M8 x 25 (pag.94) - Hammer head screw M8 x 30 (pag.95)

Datasheet



# FVP 100

MADE IN ITALY

MEDIUM-STRENGTH PROFILE FOR ROOFS IN PITCHED ROOF



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- PROFILE WEIGHT: 0.6 KG/M.
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH145
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- INERTIA TORQUE: IX: 14202 MM<sup>4</sup>, IY: 40903 MM<sup>4</sup>
- MODULUS OF RESISTANCE: WX:1183 MM3, WY:1076 MM3
- EQUIPPED WITH NON-SLIP GROOVES

PROFILÉ DE RÉSISTANCE MOYENNE POUR TOITURES EN TÔLE NERVURÉE

## CARACTÉRISTIQUES TECHNIQUES

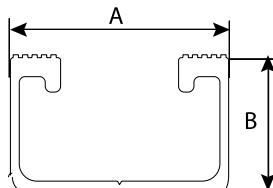
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 0,6 KG/M.
- POSE POSSIBLE AVEC ENTRETOISE HDPH145
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- MOMENT D'INERTIE : IX : 14202 MM<sup>4</sup>, IY : 40903 MM<sup>4</sup>
- MODULE DE RÉSISTANCE : WX:1183 MM3, WY:1076 MM3
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES

MITTELFESTES PROFIL FÜR DÄCHER AUS WELLBLECH



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- GEWICHT PROFIL: 0,6 KG/M.
- MÖGLICHKEIT DER INSTALLATION MIT ABSTANDSHALTER HDPH145
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- TRÄGHEITSMOMENT: IX: 14202 MM<sup>4</sup>, IY: 40903 MM<sup>4</sup>
- WIDERSTAND MODUL: WX:1183 MM3, WY:1076 MM3
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN



## PATENTED PRODUCT

To mount the profile with the roof brackets, use: bolt M8 x 25 (pag.94) - Hammer head screw M8 x 30 (pag.95)



PITCHED ROOF

Datasheet



# FVP-100B

MADE IN ITALY

MEDIUM-STRENGTH PROFILE RAIL WITH NEOPRENE ADHESIVE STRIP



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- PROFILE WEIGHT: 0.6 KG/M.
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH145
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- X-AXIS INERTIA TORQUE: 14100 MM<sup>4</sup>
- Y AXIS INERTIA TORQUE: 41200 MM<sup>4</sup>
- EQUIPPED WITH NON-SLIP GROOVES WITH NEOPRENE ADHESIVE BAND

BARRE PROFILÉE DE FORCE MOYENNE AVEC BANDE ADHÉSIVE EN NÉOPRÈNE

## CARACTÉRISTIQUES TECHNIQUES

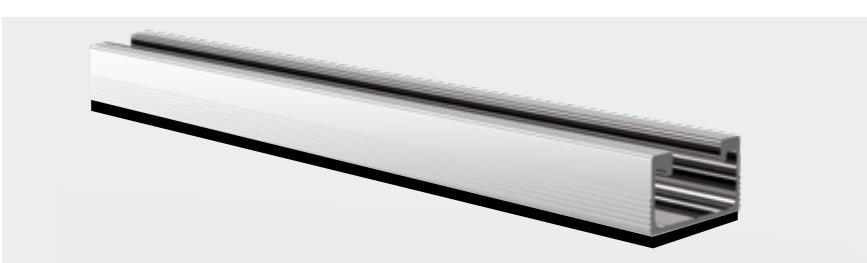
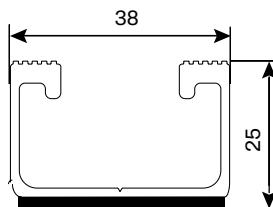
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 0,6 KG/M.
- POSSIBILITÉ DE POSE AVEC ENTRETOISE HDPH145
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- MOMENT D'INERTIE AXE X : 14100 MM<sup>4</sup>
- MOMENT D'INERTIE AXE Y : 41200 MM<sup>4</sup>
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES AVEC BANDE ADHÉSIVE EN NÉOPRÈNE

MITTELSFESTE PROFIL-SCHIENE MIT NEOPREN-KLEBESTREIFEN



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- GEWICHT PROFIL: 0,6 KG/M.
- MÖGLICHKEIT DER INSTALLATION MIT ABSTANDSHALTER HDPH145
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- TRÄGHEITSMOMENT DER X-ACHSE: 14100 MM<sup>4</sup>
- TRÄGHEITSMOMENT DER Y-ACHSE: 41200 MM<sup>4</sup>
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN MIT NEOPREN-KLEBEBAAND



To fasten the profile with the roof brackets use:  
Self-drilling screw (pag.95) - Heavy fixing plugs (pag.94) - Break mandrel rivets (pag.95)

POSSIBILITY FOR PRODUCTION OF RAILS IN CUSTOM LENGTHS - **ON REQUEST** -

CODE	DESCRIPTION	LENGTH [mm]
FVD100013	FVP-100B PROFILE BAR L=150mm WITH NEOPRENE ADHESIVE BAND	150
FVD100031	FVP-100B PROFILE BAR L=300mm WITH NEOPRENE ADHESIVE BAND	300

Datasheet



# FVP 200

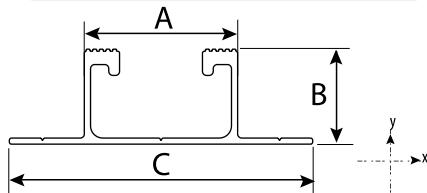
MADE IN ITALY

MEDIUM-STRENGTH PROFILE FOR ROOFS IN PITCHED ROOF



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- PROFILE WEIGHT: 0.8 KG/M.
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH3
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- X-AXIS INERTIA TORQUE: 17047 MM<sup>4</sup>
- Y-AXIS INERTIA TORQUE: 93878 MM<sup>4</sup>
- EQUIPPED WITH NON-SLIP GROOVES



PROFILÉ DE RÉSISTANCE MOYENNE POUR TOITURES EN TÔLE NERVURÉE



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 0,8 KG/M.
- POSSIBILITÉ DE POSE AVEC ENTRETOISE HDPH3
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- MOMENT D'INERTIE AXE X : 17047 MM<sup>4</sup>
- MOMENT D'INERTIE AXE Y : 93878 MM<sup>4</sup>
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES

MITTELFESTES PROFIL FÜR DÄCHER AUS WELLBLECH



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- GEWICHT PROFIL: 0,8 KG/M.
- MÖGLICHKEIT DER INSTALLATION MIT ABSTANDSHALTER HDPH3
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- TRÄGHEITSMOMENT DER X-ACHSE: 17047 MM<sup>4</sup>
- TRÄGHEITSMOMENT DER Y-ACHSE: 93878 MM<sup>4</sup>
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN

## PATENTED PRODUCT

To mount the profile with the roof brackets, use:  
bolt M8 x 25 (pag.94) - Hammer head screw M8 x 30 (pag.95)

CODE	DESCRIPTION	LENGTH [mm]	A [mm]	B [mm]	C [mm]
FVD100018	PROFILE FVP-200/3.3	3300	37	22	75
FVD100036	PROFILE FVP-200/3.6	3600	37	22	75
FVD100019	PROFILE FVP-200/4.4	4400	37	22	75
FVD100037	PROFILE FVP-200/4.7	4700	37	22	75
FVD100020	PROFILE FVP-200/6.6	6600	37	22	75

Datasheet



# FVP 200B

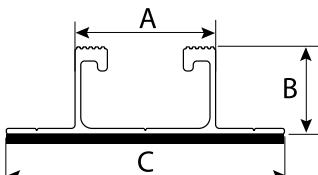
MADE IN ITALY

MEDIUM-STRENGTH PROFILE RAIL



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- POSSIBILITY OF INSTALLATION WITH SPACER HDPH3
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- EQUIPPED WITH NON-SLIP GROOVES



BARRE PROFILÉE DE FORCE MOYENNE



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POSE POSSIBLE AVEC ENTRETOISE HDPH3
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES

MITTELFESTE PROFILSCHIENE



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- MÖGLICHKEIT DER INSTALLATION MIT ABSTANDSHALTER HDPH3
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN

## FOR INTEGRATED SYSTEMS

POSSIBILITY FOR PRODUCTION OF RAILS IN CUSTOM LENGTHS - **ON REQUEST** -

CODE	DESCRIPTION	LENGTH [mm]	A [mm]	B [mm]	C [mm]
11110808300	FVP-200B PROFILE RAIL	300	37	22	75
FVD100034	FVP-200B PROFILE RAIL	400	37	22	75
<b>NEW</b> FVD100043	BAR FOR PROFILE FVP-200B WITH NEOPRENE ADHESIVE BAND L=300 MM	300	37	25	75
<b>NEW</b> FVD100044	BAR FOR PROFILE FVP-200B WITH NEOPRENE ADHESIVE BAND L=400 MM	400	37	25	75

Datasheet



# FVP 600

MADE IN ITALY

MEDIUM-STRENGTH PROFILE FOR ROOFS IN PITCHED ROOF



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- PROFILE WEIGHT: 0.9 KG/M.
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- X-AXIS INERTIA TORQUE: 57131 MM<sup>4</sup>
- Y-AXIS INERTIA TORQUE: 117311 MM<sup>4</sup>
- EQUIPPED WITH NON-SLIP GROOVES

PROFILÉ DE RÉSISTANCE MOYENNE POUR TOITURES EN TÔLE NERVURÉE

## CARACTÉRISTIQUES TECHNIQUES

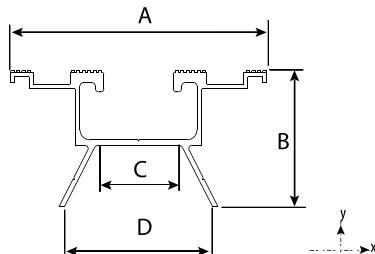
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- POIDS PROFILÉ : 0,9 KG/M.
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- MOMENT D'INERTIE AXE X : 57131 MM<sup>4</sup>
- MOMENT D'INERTIE AXE Y : 117311 MM<sup>4</sup>
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES

MITTELFESTES PROFIL FÜR DÄCHER AUS WELLBLECH

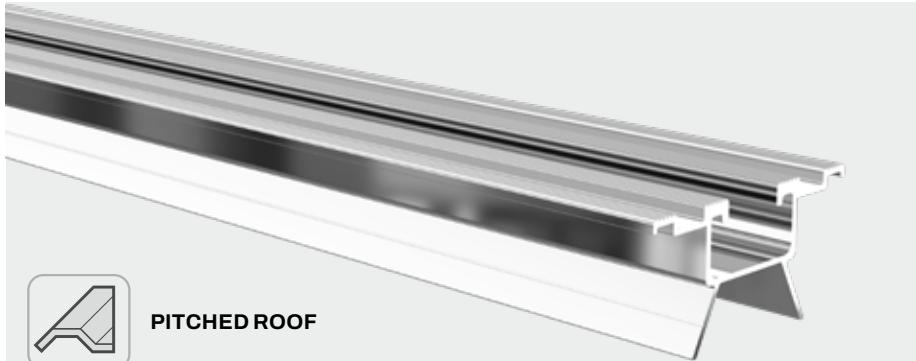


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- GEWICHT PROFIL: 0,9 KG/M.
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- TRÄGHEITSMOMENT DER X-ACHSE: 57131 MM<sup>4</sup>
- TRÄGHEITSMOMENT DER Y-ACHSE: 117311 MM<sup>4</sup>
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN



PATENTED PRODUCT



PITCHED ROOF

Datasheet



# FVP 600B

MADE IN ITALY

MEDIUM-STRENGTH PROFILE



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- MODULUS OF ELASTICITY: 66000 N/MM<sup>2</sup>
- EQUIPPED WITH NON-SLIP GROOVES

BARRE PROFILÉE DE FORCE MOYENNE



## CARACTÉRISTIQUES TECHNIQUES

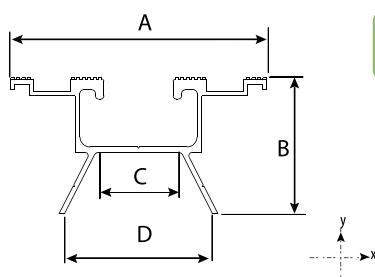
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- MODULE D'ÉLASTICITÉ : 66000 N/MM<sup>2</sup>
- ÉQUIPÉ DE RAINURES ANTIDÉRAPANTES

MITTELFESTE PROFILSCHIENE



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- ELASTIZITÄT MODUL: 66000 N/MM<sup>2</sup>
- AUSGESTATTET MIT RUTSCHFESTEN RILLEN



PITCHED ROOF

POSSIBILITY FOR PRODUCTION OF RAILS IN CUSTOM LENGTHS - ON REQUEST -

Datasheet



CODE	DESCRIPTION	LENGTH [mm]	A [mm]	B [mm]	C [mm]	D [mm]
11111043125	FVP-600B PROFILE RAIL - L.125	125	75	40	25	43
FVD100032	FVP-600B PROFILE RAIL - L.300	300	75	40	25	43

**MULTI-PURPOSE RUBBER  
BAND SET**

**IDEAL FOR SEALING FVP-1300 PROFILE  
HEADERS IN FULLY INTEGRATED APPLICATIONS.**

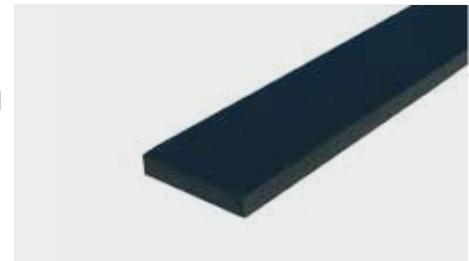
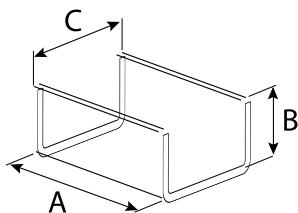
**ENSEMBLE DE BANDES  
EN CAOUTCHOUC  
POLYVALENTE**

**IDÉAL POUR SCELLER LES TÊTES DE  
PROFIL FVP-1300 DANS LES APPLICATIONS  
ENTIÈREMENT INTÉGRÉES.**

**MEHRZWECK  
GUMMIBAND-SET**

**IDEAL ZUM ABDICHTEN VON FVP-  
1300-PROFILSTÜCKEN IN VOLLSTÄNDIG  
INTEGRIERTE ANWENDUNGEN.**

CODE	DESCRIPTION	DIMENSIONS [mm]
11100069	MULTI-PURPOSE BAND	610 x 50 x TH. 9
11100069BOX	MULTI-PURPOSE BAND SET 2pcs.	610 x 50 x TH. 9

**Datasheet****HGCPH3****MADE IN ITALY****COUPLING FOR PROFILES  
FVP-200/100****JONCTION POUR PROFILS  
FVP-200/100****KUPPLUNG FÜR PROFILE  
FVP-200/100**

AISI 304 STAINLESS STEEL

**Datasheet**

CODE	DESCRIPTION	A [mm]	B [mm]	C [mm]
11110763	COUPLING FOR PROFILES FVP - 200/100	100	16	33
11110763BOX	COUPLING FOR PROFILES FVP - 200/100 BOX 30pcs.	100	16	33
<b>NEW</b> FVD100041	COUPLING FOR PROFILES 200/100 IN ALLUMINIUM	100	16	33
<b>NEW</b> FVD100041BOX	COUPLING FOR PROFILES 200/100 IN ALLUMINIUM BOX 30 pcs.	100	16	33

**HGCP****MADE IN ITALY****COUPLING FOR PROFILES  
FVP 400/300/250****JONCTION POUR PROFILS  
FVP 400/300/250****KUPPLUNG FÜR PROFILE  
FVP-200/100****TECHNICAL SPECIFICATIONS**

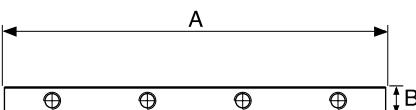
- MATERIAL: AISI 304 STAINLESS STEEL
- COMPLETE WITH NO. 4 A2 STAINLESS STEEL SHC SCREWS M8 X 10
- SCREW TIGHTENING WITH HEX KEY 6

**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAUX : ACIER INOX AISI 304
- AVEC 4 VIS TCEI EN ACIER INOXYDABLE A2 M8 X 10
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6

**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- KOMPLETT MIT NR. 4 SHC-SCHRAUBEN AUS EDELSTAHL A2, M8 X 10
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6

**Datasheet**

CODE	DESCRIPTION	A [mm]	B [mm]
11110720	COUPLING FOR PROFILES FVP - 400/300/250	180	13
11110720BOX	COUPLING FOR PROFILES FVP - 400/300/250 BOX 30pcs.	180	13

## COUPLING FOR PROFILES FVP 400/300/250

### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- THICKNESS: 5 MM
- 4X M8 SCREWS IN STAINLESS STEEL (M8X12 ISO 4026) INCLUDED

## JONCTION POUR PROFILS FVP 400/300/250

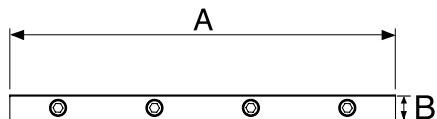
### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- ÉPAISSEUR : 5 MM
- 4X M8 VIES EN ACIER INOXYDABLE (M8X12 ISO 4026) INCLUS

## COUPLING FOR PROFILES FP 400/300/250

### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- DICKE: 5 MM
- 4X M8-SCHRAUBE AUS EDELSTAHL (M8X12 ISO 4026) INBEGRIFFEN



### Example installation on profile



**Datasheet**

CODE	DESCRIPTION	A [mm]	B[mm]
FVD100040	COUPLING FOR PROFILES FVP 400/300/250	180	12
FVD100040BOX	COUPLING FOR PROFILES FVP 400/300/250 - BOX 30 PCS	180	12



# HGCP

## CLOSING CAP FOR PROFILES FVP

### TECHNICAL SPECIFICATIONS

- MATERIAL: PA ANTI-UVA
- EQUIPPED WITH BACKDRAIN FOR WATER DRAINAGE

## BOUCHON DE FERMETURE POUR PROFILS FVP

### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU: PA ANTI UVA
- ÉQUIPÉS D'UN DRAIN ARRIÈRE POUR LE DRAINAGE DE L'EAU

## VERSCHLUSSKAPPE FÜR PROFILE FVP

### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: PA ANTI-UV
- AUSGESTATTET MIT RÜCKWÄRTSABFLUSS FÜR DEN WASSERABFLUSS



FVP - 100/200/250

FVP - 300

FVP - 400

CODE	DESCRIPTION
11110842	MEDIUM CLOSING PLUG FOR PROFILE FVP - 400
11110842BOX	MEDIUM CLOSING PLUG FOR PROFILE FVP - 400 - BOX 50pcs.
11110843	MEDIUM CLOSING PLUG FOR PROFILE FVP - 300
11110843BOX	MEDIUM CLOSING PLUG FOR PROFILE FVP - 300 BOX 50pcs.
11110844	SMALL CLOSING PLUG FOR PROFILE FVP - 100/200/250
11110844BOX	SMALL CLOSING PLUG FOR PROFILE FVP - 100/200/250 BOX 50pcs.

**Datasheet**



# HGP-3

MADE IN ITALY

COUPLING FOR  
CONNECTION OF FLAT  
PROFILES FVP



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- COMPLETE WITH NO. 2 SHC SCREWS M8 X 20, NO. 2 A2 STAINLESS STEEL WASHERS AND NO. 2 SLIDERS
- SCREW TIGHTENING WITH HEX KEY 6

JONCTION POUR  
CONNEXIONS PLATES  
PROFILS FVP



## CARACTÉRISTIQUES TECHNIQUES

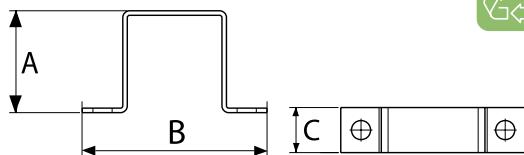
- MATÉRIAU : ACIER INOX AISI 304
- AVEC 2 VIS TCEI M8 X 20, 2 RONDELLES EN ACIER INOXYDABLE A2 ET 2 CURSEURS
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6

KUPPLUNG ZUM  
VERBINDEN  
VON FLACHPROFILEN FVP



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- KOMPLETT MIT NR. 2 SCHLÄG-SCHRAUBEN M8 X 20, NR. 2 A2-EDELSTAHL-UNTERLEGSCHIEBEN UND NR. 2 SCHIEBER
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]	C [mm]	FOR PROFILES
11110767	HGP-3 PERPENDICULAR COUPLING	36	82	20	FVP-300
11110767BOX	HGP-3 PERPENDICULAR COUPLING BOX 10pcs.	36	82	20	FVP-300

# HP

MADE IN ITALY

COUPLING FOR  
CONNECTION OF FLAT  
PROFILES FVP



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- COMPLETE WITH NO. 4 SCREWS, NO. 4 A2 STAINLESS STEEL WASHERS AND NO. 4 SLIDERS
- SCREW TIGHTENING WITH HEX KEY 6

JONCTION POUR  
CONNEXIONS PLATES  
PROFILS FVP



## CARACTÉRISTIQUES TECHNIQUES

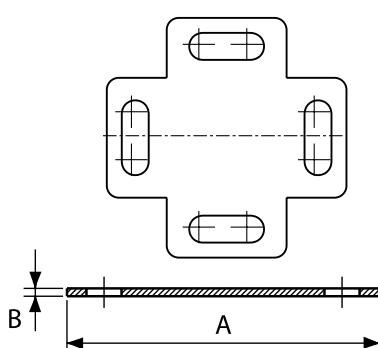
- MATÉRIAU : ACIER INOX AISI 304
- AVEC 4 VIS, 4 RONDELLES EN ACIER INOXYDABLE A2 ET 4 CURSEURS
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6

KUPPLUNG ZUM  
VERBINDEN VON  
FLACHPROFILEN FVP

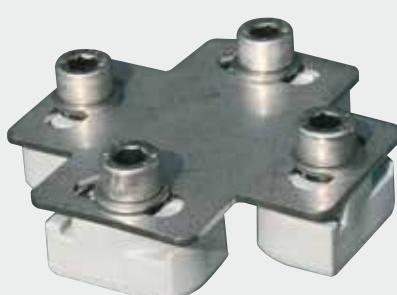


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- KOMPLETT MIT NR. 4 SCHRAUBEN, NR. 4 A2-EDELSTAHL-UNTERLEGSCHIEBEN UND NR. 4 SCHIEBER
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6



AVAILABLE ON REQUEST



Datasheet

CODE	DESCRIPTION	A [mm]	B [mm]
11110719	HP CONNECTION COUPLING	80	2
11110719BOX	HP CONNECTION COUPLING BOX 10pcs.	80	2



# HSPI

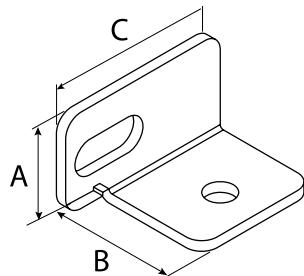
MADE IN ITALY

## FIXING WALL BRACKETS FOR INTEGRATED PROFILES FVP 300



### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- IDEAL FOR LIFTING THE PROFILE AND ALLOWING STORM WATER DRAINAGE
- RECOMMENDED FOR RAISING THE PROFILE AND IMPROVING THE VENTILATION OF PHOTOVOLTAIC PANELS



AISI 304 STAINLESS STEEL

## SUPPORT DE FIXATION POUR PROFILS INTÉGRÉS FVP 300



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- IDÉAL POUR REHAUSSER LE PROFILÉ ET PERMETTRE L'ÉVACUATION DES EAUX PLUVIALES
- RECOMMANDÉ POUR REHAUSSER LE PROFILÉ ET AMÉLIORER LA VENTILATION DES PANNEAUX PHOTOVOLTAÏQUES



## BEFESTIGUNG VON WANDHALTERUNGEN FÜR INTEGRIERTE PROFILE FVP 300



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- IDEAL ZUM ANHEBEN DES PROFILS UND ZUM ERMÖGLICHEN STURMWASSERABFLUSS
- EMPFOHLEN, UM DAS PROFIL ZU ERHÖHEN UND DIE BELÜFTUNG VON PHOTOVOLTAIK-PANEELN ZU VERBESSERN



AISI 304 STAINLESS STEEL

CODE	DESCRIPTION	A [mm]	B [mm]	C [mm]	HOLE Ø [mm]
11110731	HSPI PROFILE FIXING WALL BRACKET	30	33	50	8.5
11110731BOX	HSPI PROFILE FIXING WALL BRACKET BOX 30pcs.	30	33	50	8.5
11110732	HSAPI PROFILE FIXING WALL BRACKET	55	33	50	8.5
11110732BOX	HSAPI PROFILE FIXING WALL BRACKET BOX 30pcs.	55	33	50	8.5

Datasheet



# HPB

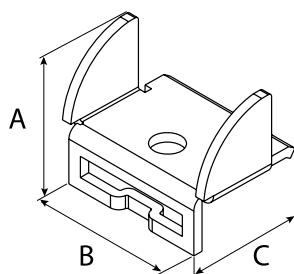
MADE IN ITALY

## LOCKING PLATE FOR PROFILE FVP 300



### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FOR FIXING FVP 500/400/300 PROFILES
- EQUIPPED WITH ANTI-FALL SLIDING LOOP
- COMPLETE WITH REAR NUT BLOCK
- TO BE USED ON ALL ROOF TILE AND TILE BRACKETS



## PLAQUE DE BLOCAGE POUR PROFILÉ FVP 300



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- POUR LA FIXATION DES PROFILÉS FVP 500/400/300
- ÉQUIPÉ D'UNE BOUCLE COULISSANTE ANTI-CHUTE
- FOURNIE AVEC BLOCAGE DE L'ÉCROU ARRIÈRE
- À UTILISER SUR TOUS LES CARREAUX ET SUPPORTS DE CARREAUX



## SICHERUNGSBLECH FÜR PROFIL FVP 300



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- ZUR BEFESTIGUNG DER PROFILE FVP 500/400/300
- AUSGESTATTET MIT ANTI-FALL-GLEITSCHLAUFE
- KOMPLETT MIT HINTERER SPERRMUTTERBLOCK
- ZUR VERWENDUNG AUF ALLEN DACHZIEGELN UND DACHZIEGELHALTERUNGEN



### PATENTED PRODUCT

Kit complete with shc screw m8x25 with washer ø16 and self-locking nut m8 in a2 stainless steel.

CODE	DESCRIPTION	A [mm]	B [mm]	C [mm]	HOLE Ø [mm]
11110717	HPB LOCKING PLATE	33	43	30.8	8.5
11110717BOX	HPB LOCKING PLATE BOX 50pcs.	33	43	30.8	8.5

Datasheet



# HDHPH3

MADE IN ITALY

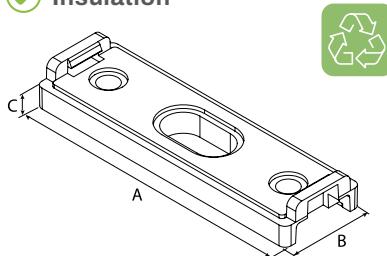
INSULATING AND  
VENTILATING SPACER  
FOR PROFILE "FVP-200"



## TECHNICAL SPECIFICATIONS

- MATERIAL : PA ANTI-UVA
- EXCELLENT INSULATION BETWEEN PROFILE AND SUPPORT AGAINST GALVANIC CURRENTS
- IDEAL FOR LIFTING THE PROFILE AND ALLOWING STORM WATER DRAINAGE
- POSSIBILITY TO OVERLAP THE SPACERS TO INCREASE THE SPACE
- DOUBLE POSSIBILITY OF FASTENING WITH SELF-DRILLING SCREWS Ø 5 OR M8 SCREW
- RECOMMENDED FOR RAISING THE PROFILE AND IMPROVING THE VENTILATION OF PHOTOVOLTAIC PANELS

- It allows ventilation of the panels
- Possibility of overlapping spacers
- Insulation



Datasheet



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : PA ANTI UVA
- EXCELLENTE ISOLATION ENTRE LE PROFILÉ ET LE SUPPORT CONTRE LES COURANTS GALVANIQUES
- IDÉAL POUR REHAUSSER LE PROFILÉ ET PERMETTRE L'ÉVACUATION DES EAUX PLUVIALES
- POSSIBILITÉ DE CHEVAUCHER LES ENTRETOISES POUR AUGMENTER L'ESPACE
- DOUBLE POSSIBILITÉ DE FIXATION AVEC DES VIS AUTOTARAUDÉUSES Ø 5 OU DES VIS M8
- RECOMMANDÉ POUR REHAUSSER LE PROFILÉ ET AMÉLIORER LA VENTILATION DES PANNEAUX PHOTOVOLTAÏQUES

ISOLIER - UND  
BELÜFTUNGSSABSTAN-  
DHALTER FÜR PROFIL  
„FVP-200“



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: PA ANTI-UV
- AUSGEZEICHNETE ISOLIERUNG ZWISCHEN PROFIL UND STÜTZE GEGEN GALVANISCHE STÖRUNGEN
- IDEAL ZUM ANHEBEN DES PROFILS UND ZUM ERMÖGLICHEN STURMWASSERABFLUSS
- MÖGLICHKEIT, DIE ABSTANDSHALTER ÜBERLAPPEN ZU LASSEN, UM DEN ABSTAND ZU VERGRÖSSEN
- DOPPELTE BEFESTIGUNGSMÖGLICHKEIT MIT SELBSTBOHRENDEN SCHRAUBEN Ø 5 ODER M8 SCHRAUBE
- EMPFORHOLEN, UM DAS PROFIL ZU ERHÖHEN UND DIE BELÜFTUNG VON PHOTOVOLTAIK-PANEELLE ZU VERBESSERN

# HDHPH145

MADE IN ITALY

INSULATION AND VEN-  
TILATING SPACER FOR FVP-  
400/300/100 PROFILES



## TECHNICAL SPECIFICATIONS

- MATERIAL : PA ANTI-UVA
- EXCELLENT INSULATION BETWEEN PROFILE AND SUPPORT AGAINST GALVANIC CURRENTS
- IDEAL FOR LIFTING THE PROFILE AND ALLOWING STORM WATER DRAINAGE
- POSSIBILITY TO OVERLAP THE SPACERS TO INCREASE THE SPACE
- DOUBLE POSSIBILITY OF FASTENING WITH SELF-DRILLING SCREWS Ø 5 OR M8 SCREW
- RECOMMENDED FOR RAISING THE PROFILE AND IMPROVING THE VENTILATION OF PHOTOVOLTAIC PANELS

ENTRETOISE D'ISOLATION  
ET DE VENTILATION POUR  
PROFILÉ FVP-400/300/100"

## CARACTÉRISTIQUES TECHNIQUES

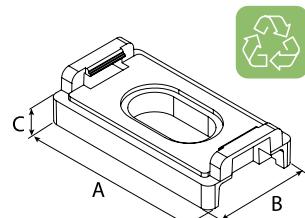
- MATÉRIAU : PA ANTI UVA
- EXCELLENTE ISOLATION ENTRE LE PROFILÉ ET LE SUPPORT CONTRE LES COURANTS GALVANIQUES
- IDÉAL POUR REHAUSSER LE PROFILÉ ET PERMETTRE L'ÉVACUATION DES EAUX PLUVIALES
- POSSIBILITÉ DE CHEVAUCHER LES ENTRETOISES POUR AUGMENTER L'ESPACE
- DOUBLE POSSIBILITÉ DE FIXATION AVEC DES VIS AUTOTARAUDÉUSES Ø 5 OU DES VIS M8
- RECOMMANDÉ POUR REHAUSSER LE PROFILÉ ET AMÉLIORER LA VENTILATION DES PANNEAUX PHOTOVOLTAÏQUES

SOLIER- UND  
BELÜFTUNGSSABSTAN-  
DHALTER FÜR PROFILE  
FVP-400/300/100



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: PA ANTI-UV
- AUSGEZEICHNETE ISOLIERUNG ZWISCHEN PROFIL UND STÜTZE GEGEN GALVANISCHE STÖRUNGEN
- IDEAL ZUM ANHEBEN DES PROFILS UND ZUM ERMÖGLICHEN STURMWASSERABFLUSS
- MÖGLICHKEIT, DIE ABSTANDSHALTER ÜBERLAPPEN ZU LASSEN, UM DEN ABSTAND ZU VERGRÖSSEN
- DOPPELTE BEFESTIGUNGSMÖGLICHKEIT MIT SELBSTBOHRENDEN SCHRAUBEN Ø 5 ODER M8 SCHRAUBE
- EMPFORHOLEN, UM DAS PROFIL ZU ERHÖHEN UND DIE BELÜFTUNG VON PHOTOVOLTAIK-PANEELLE ZU VERBESSERN



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]	C [mm]
11111036	FOR FVP-400/300/100 PROFILES	50	30	7
11111036BOX	SPACER FOR FVP-400/300/100 PROFILES BOX 50pcs.	50	30	7

# SIDE AND CENTRAL CLAMPS



UNIVERSAL PRE-ASSEMBLED CENTRAL CLAMP  
IN ALUMINIUM



#### TECHNICAL SPECIFICATIONS

- CLAMP MATERIAL: ALUMINIUM
- CLAMP LENGTH: 50 MM
- FOR PANELS HEIGHT: 28÷38 MM
- M8 SCREW IN STAINLESS STEEL

PINCE CENTRALE DÉJÀ  
ASSEMBLÉE UNIVERSELLE  
EN ALUMINIUM



#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU PINCE : ALUMINIUM
- LONGUEUR PINCE : 50 MM
- POUR LES PANNEAUX D'UNE HAUTEUR DE : 28÷38 MM
- VIS M8 EN ACIER INOXYDABLE

UNIVERSELLE VORMONTIERTE ZENTRALE KLEMME AUS ALUMINIUM

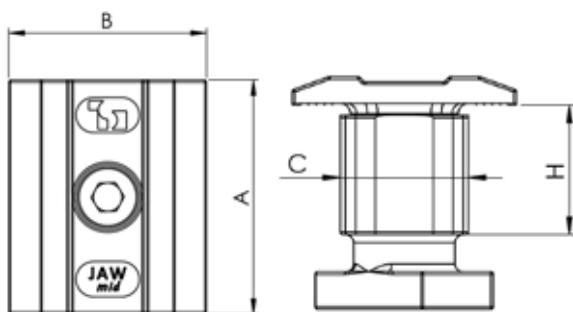


#### TECHNISCHE EIGENSCHAFTEN

- KLEMMENMATERIAL: ALUMINIUM
- KLEMMENLÄNGE: 50 MM
- FÜR PLATTENHÖHE: 28÷38 MM
- M8-SCHRAUBE AUS EDELSTAHL



FV POWER



A [mm]	B [mm]	C [mm]	H [mm]
50	42	24	28÷38

CODE	DESCRIPTION
FVD200023	MCU UNIVERSAL CENTRAL CLAMP
FVD200023BOX	MCU UNIVERSAL CENTRAL CLAMP BOX 50pz.
FVD200025	MCU BLACK UNIVERSAL CENTRAL CLAMP
FVD200025BOX	MCU BLACK UNIVERSAL CENTRAL CLAMP BOX 50pz.

Datasheet



## UNIVERSAL PRE-ASSEMBLED SIDE CLAMP IN ALUMINIUM



## TECHNICAL SPECIFICATIONS

- CLAMP MATERIAL: ALUMINIUM
- CLAMP LENGTH: 50 MM
- FOR PANELS HEIGHT : 28÷38 MM
- M8 SCREW IN STAINLESS STEEL

## PINCE LATÉRALE DÉJÀ ASSEMBLÉE UNIVERSELLE EN ALUMINIUM



## CARACTÉRISTIQUES TECHNIQUES

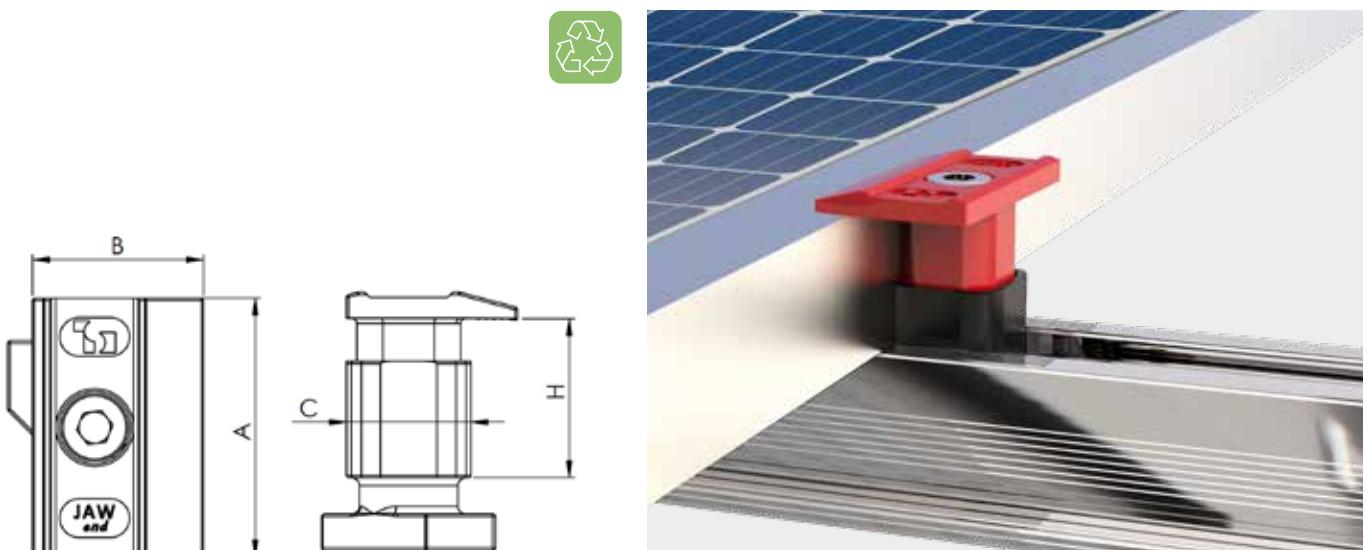
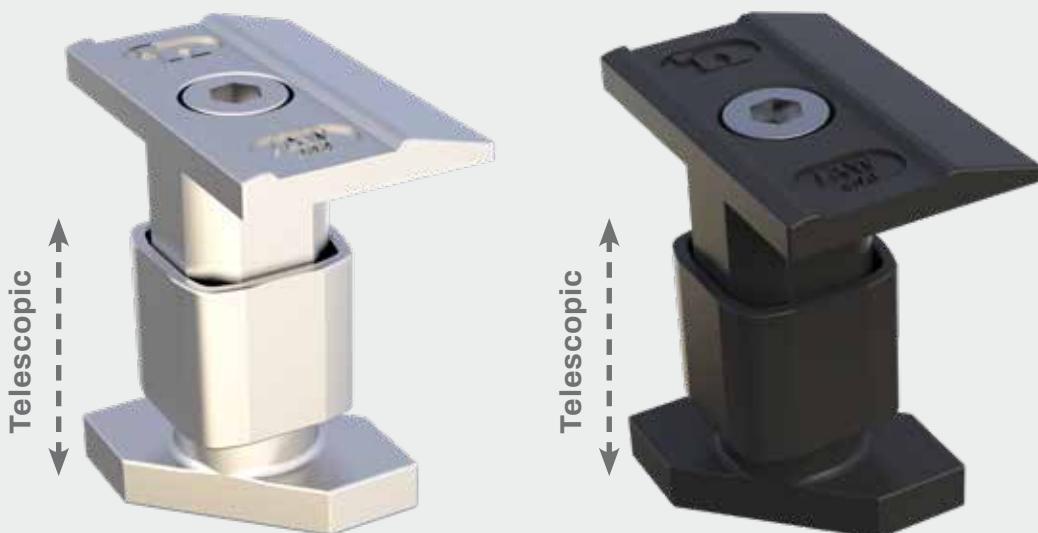
- MATÉRIAU PINCE : ALUMINIUM
- LONGUEUR PINCE : 50 MM
- POUR LES PANNEAUX D'UNE HAUTEUR DE : 28÷38 MM
- VIS M8 EN ACIER INOXYDABLE

## UNIVERSELLE VORMONTIERTE SEITENKLEMME AUS ALUMINIUM



## TECHNISCHE EIGENSCHAFTEN

- KLEMMENMATERIAL: ALUMINIUM
- KLEMMENLÄNGE: 50 MM
- FÜR PLATTENHÖHE: 28÷38 MM
- M8-SCHRAUBE AUS EDELSTAHL



A [mm]	B [mm]	C [mm]	H [mm]
50	33	24	28÷38

CODE	DESCRIPTION	Datasheet
FVD200024	MLU UNIVERSAL SIDE CLAMP	
FVD200024BOX	MLU UNIVERSAL SIDE CLAMP BOX 20pcs.	
FVD200026	MLU BLACK UNIVERSAL SIDE CLAMP	
FVD200026BOX	MLU BLACK UNIVERSAL SIDE CLAMP 20pcs.	



# SSC50

MADE IN ITALY

UNIVERSAL PRE-ASSEMBLED CENTRAL CLAMP IN STAINLESS STEEL



## TECHNICAL SPECIFICATIONS

- CLAMP MATERIAL STAINLESS STEEL
- CLAMP LENGTH: 50 MM
- FOR PANELS HEIGHT: 29-40 MM
- SLIDER MATERIAL: STEEL WITH GEOMET TREATMENT
- M8 SCREW IN STAINLESS STEEL

PINCE CENTRALE DÉJÀ ASSEMBLÉE UNIVERSELLE EN ACIER INOXYDABLE



## CARACTÉRISTIQUES TECHNIQUES

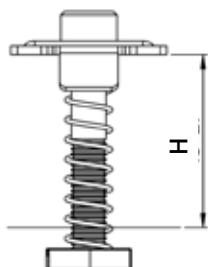
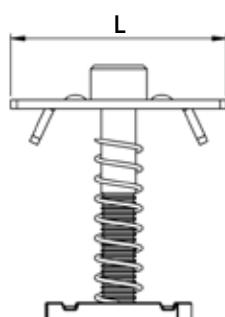
- MATÉRIAU DE LA PINCE ACIER INOXYDABLE
- LONGUEUR PINCE : 50 MM
- POUR LES PANNEAUX D'UNE HAUTEUR DE : 29-40 MM
- MATÉRIAU DU CURSEUR : ACIER TRAITÉ AVEC GEOMET
- VIS M8 EN ACIER INOXYDABLE

UNIVERSELLE VORMONTIERTE ZENTRALKLEMME AUS EDELSTAHL



## TECHNISCHE EIGENSCHAFTEN

- KLEMMENMATERIAL EDELSTAHL
- KLEMMENLÄNGE: 50 MM
- FÜR PLATTENHÖHE: 29-40 MM
- SCHIEBERMATERIAL: STAHL MIT GEOMET-BEHANDLUNG
- M8-SCHRAUBE AUS EDELSTAHL



A [mm]	B [mm]
50	29 ÷ 40



CODE	DESCRIPTION	Datasheet
FVD200020	SSC50 UNIVERSAL PRE-ASSEMBLED CENTRAL CLAMP IN STEEL	
FVD200020BOX	SSC50 UNIVERSAL PRE-ASSEMBLED CENTRAL CLAMP IN STEEL- BOX 50 PCS	
<b>NEW</b> FVD200031	SSC50 UNIVERSAL PRE-ASSEMBLED CENTRAL CLAMP IN STEEL	
<b>NEW</b> FVD200031BOX	SSC50 UNIVERSAL PRE-ASSEMBLED CENTRAL CLAMP IN STEEL- BOX 50 PCS	

CODE	DESCRIPTION
<b>NEW</b> FVD200029BOX	PLATE FOR UNIVERSAL CENTRAL CLAMP "SSC50" - BOX OF 100 PCS



# SSL50

MADE IN ITALY

UNIVERSAL PRE-ASSEMBLED SIDE CLAMP IN STAINLESS STEEL



## TECHNICAL SPECIFICATIONS

- CLAMP MATERIAL STAINLESS STEEL
- CLAMP LENGTH: 50 MM
- FOR PANELS HEIGHT : 26 - 40 MM
- SLIDER MATERIAL: STEEL WITH GEOMET TREATMENT
- M8 SCREW IN STAINLESS STEEL

PINCE LATÉRALE DÉJÀ ASSEMBLÉE UNIVERSELLE EN ACIER INOXYDABLE

## CARACTÉRISTIQUES TECHNIQUES

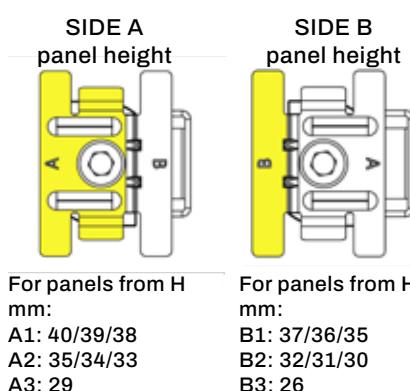
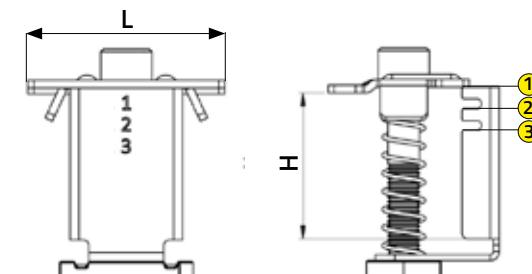
- MATERIAU DE LA PINCE ACIER INOXYDABLE
- LONGUEUR PINCE : 50 MM
- POUR LES PANNEAUX D'UNE HAUTEUR DE : 26 - 40 MM
- MATERIAU DU CURSEUR : ACIER TRAITÉ AVEC GEOMET
- VIS M8 EN ACIER INOXYDABLE

UNIVERSELLE VORMONTIERTE SEITENKLEMME AUS EDELSTAHL



## TECHNISCHE EIGENSCHAFTEN

- KLEMMENMATERIAL EDELSTAHL
- KLEMMENLÄNGE: 50 MM
- FÜR PLATTENHÖHE: 26 - 40 MM
- SCHIEBERMATERIAL: STAHL MIT GEOMET-BEHANDLUNG
- M8-SCHRAUBE AUS EDELSTAHL



CODE	DESCRIPTION	L [mm]
FVD200022	SSL50 UNIVERSAL PRE-ASSEMBLED SIDE CLAMP IN STEEL	50
FVD200022BOX	SSL50 UNIVERSAL PRE-ASSEMBLED SIDE CLAMP IN STEEL BOX 20PZ.	50
<b>NEW</b> FVD200032	SSL50 UNIVERSAL PRE-ASSEMBLED SIDE CLAMP IN STEEL	50
<b>NEW</b> FVD200032BOX	SSL50 UNIVERSAL PRE-ASSEMBLED SIDE CLAMP IN STEEL - BOX 20 PCS	50

Datasheet



Datasheet



CODE	DESCRIPTION
<b>NEW</b> FVD200030BOX	PLATE+SECTOR FOR UNIVERSAL SIDE CLAMP "SSL50" - BOX OF 50 PCS

# HSCP/60

MADE IN ITALY

## PRE-ASSEMBLED CENTRAL CLAMP



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- WALL BRACKET LENGTH: 60MM
- A2 STAINLESS STEEL SCREWS AND SPRINGS
- HCDB ACETAL COPOLYMER SLIDER WITH STEEL PLATE GEOMET TREATMENT
- THREAD M8
- SUPPLIED PRE-ASSEMBLED
- AVAILABLE FOR PANEL HEIGHTS FROM 30 MM TO 56 MM
- SCREW TIGHTENING WITH HEX KEY 6

## PINCE CENTRALE DÉJÀ ASSEMBLÉE



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- LONGUEUR SUPPORT AU MUR : 60 MM
- VIS ET RESSORTS EN ACIER INOXYDABLE A2
- CURSEUR EN COPOLYMÈRE ACÉTALIQUE AVEC PLAQUE EN ACIER TRAITEMENT GEOMET HCDB
- FILETAGE M8
- FOURNI PRÉ-ASSEMBLÉ
- DISPONIBLE POUR LES PANNEAUX DE 30 MM À 56 MM DE HAUTEUR
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6

## VORMONTIERTE ZENTRALKLEMME



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- LÄNGE DER WANDHALTERUNG: 60MM
- SCHRAUBEN UND FEDERN AUS EDELSTAHL A2
- HCDB-ACETAL-COPOLYMER-SCHIEBER MIT STAHLPLATTEN-GEOMET-BEHANDLUNG
- GEWINDE M8
- WIRD VORMONTIERT GELIEFERT
- ERHÄLTLICH FÜR PANELHÖHEN VON 30 MM BIS 56 MM
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6



### ACETAL COPOLYMER SLIDER WITH STEEL PLATE GEOMET TREATMENT



CODE	DESCRIPTION	FOR PANELS H [mm]
11110810	HSCP/60 PRE-ASSEMBLED CENTRAL CLAMP 1	30-32-34
11110810BOX	HSCP/60 PRE-ASSEMBLED CENTRAL CLAMP 1 - BOX 50 pcs.	30-32-34
11110811	HSCP/60 PRE-ASSEMBLED CENTRAL CLAMP 2	35-36-38
11110811BOX	HSCP/60 PRE-ASSEMBLED CENTRAL CLAMP 2 - BOX 50 pcs.	35-36-38
11110812	HSCP/60 PRE-ASSEMBLED CENTRAL CLAMP 3	40-42-44
11110812BOX	HSCP/60 PRE-ASSEMBLED CENTRAL CLAMP 3 - BOX 50 pcs.	40-42-44

Datasheet



# HSLP/60

MADE IN ITALY

## PRE-ASSEMBLED SIDE CLAMP WITH ANTI-ROTATION SEAT



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- WALL BRACKET LENGTH: 60MM
- A2 STAINLESS STEEL SCREWS AND SPRINGS
- HCDB M8 THREADED ACETAL COPOLYMER SLIDER WITH STEEL PLATE GEOMET TREATMENT
- SUPPLIED PRE-ASSEMBLED
- AVAILABLE FOR PANEL HEIGHTS FROM 30 MM TO 56 MM
- SCREW TIGHTENING WITH HEX KEY 6

## PINCE LATÉRALE DÉJÀ ASSEMBLÉE AVEC SIÈGE ANTI-ROTATION



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- LONGUEUR SUPPORT AU MUR : 60 MM
- VIS ET RESSORTS EN ACIER INOXYDABLE A2
- CURSEUR EN COPOLYMÈRE ACÉTALIQUE AVEC PLAQUE EN ACIER TRAITEMENT GEOMET FILETAGE M8 HCDB
- FOURNI PRÉ-ASSEMBLÉ
- DISPONIBLE POUR LES PANNEAUX DE 30 MM À 56 MM DE HAUTEUR
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6

## VORMONTIERTE SEITENKLEMME MIT VERDREHSICHERUNG



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- LÄNGE DER WANDHALTERUNG: 60MM
- SCHRAUBEN UND FEDERN AUS EDELSTAHL A2
- HCDB M8-GEWINDE-ACETAL-COPOLYMER-SCHIEBER MIT STAHLPLATTEN-GEOMET-BEHANDLUNG
- WIRD VORMONTIERT GELIEFERT
- ERHÄLTLICH FÜR PANELHÖHEN VON 30 MM BIS 56 MM
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6

CODE	DESCRIPTION	FOR PANELS H [mm]
11110820	HSLP/60 30 PRE-ASSEMBLED SIDE CLAMP	30
11110820BOX	HSLP/60 30 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	30
11110821	HSLP/60 32 PRE-ASSEMBLED SIDE CLAMP	32
11110821BOX	HSLP/60 32 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	32
11110822	HSLP/60 34 PRE-ASSEMBLED SIDE CLAMP	34
11110822BOX	HSLP/60 34 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	34
11110823	HSLP/60 35 PRE-ASSEMBLED SIDE CLAMP	35
11110823BOX	HSLP/60 35 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	35
11110824	HSLP/60 36 PRE-ASSEMBLED SIDE CLAMP	36
11110824BOX	HSLP/60 36 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	36
11110825	HSLP/60 38 PRE-ASSEMBLED SIDE CLAMP	38
11110825BOX	HSLP/60 38 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	38
11110826	HSLP/60 40 PRE-ASSEMBLED SIDE CLAMP	40
11110826BOX	HSLP/60 40 PRE-ASSEMBLED SIDE CLAMP- BOX 20 pcs.	40



NON-SLIP  
KNURLING AND  
ANTI-ROTATION SEAT

Datasheet



# HSCP/40

MADE IN ITALY

## STANDARD PRE-ASSEMBLED CENTRAL CLAMP



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- WALL BRACKET LENGTH: 40MM
- A2 STAINLESS STEEL SCREWS AND SPRINGS
- M8 THREADED STEEL SLIDER WITH GEOMET TREATMENT FOR PROTECTION AGAINST CORROSION
- SUPPLIED PRE-ASSEMBLED
- AVAILABLE FOR PANEL HEIGHTS FROM 30 MM TO 56 MM
- SCREW TIGHTENING WITH HEX KEY 6
- ALSO AVAILABLE IN BLACK PAINTED VERSION

### NON-SLIP KNURLING

## PINCE CENTRALE DÉJÀ ASSEMBLÉE STANDARD



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- LONGUEUR SUPPORT AU MUR : 40 MM
- VIS ET RESSORTS EN ACIER INOXYDABLE A2
- CURSEUR EN ACIER FILETÉ M8 AVEC TRAITEMENT GEOMET POUR LA PROTECTION CONTRE LA CORROSION
- FOURNI PRÉ-ASSEMBLÉ
- DISPONIBLE POUR LES PANNEAUX DE 30 MM À 56 MM DE HAUTEUR
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6
- ÉGALEMENT DISPONIBLE EN VERSION PEINTE EN NOIR

## STANDARD VORMONTIER-TE ZENTRALKLEMME



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- LÄNGE DER WANDHALTERUNG: 40MM
- SCHRAUBEN UND FEDERN AUS EDELSTAHL A2
- STAHLSCHEIBER MIT M8-GEWINDE UND GEOMET-BEHANDLUNG ZUM SCHUTZ VOR KORROSION
- WIRD VORMONTIERT GELIEFERT
- ERHÄLTLICH FÜR PANELHÖHEN VON 30 MM BIS 56 MM
- SCHRAUBENFESTZIEHEN MIT INBÜSSCHLÜSSEL 6
- AUCH IN SCHWARZ LACKIERTER VERSION ERHÄLTLICH

### NON-SLIP KNURLING

CODE	DESCRIPTION OF STEEL CLAMP	FOR PANELS H [mm]
11111061	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -1	30-32-34
11111061BOX	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -1 - BOX 50 pcs.	30-32-34
11111062	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -2	35-36-38
11111062BOX	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -2 - BOX 50 pcs.	35-36-38
11111063	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -3	40-42-44
11111063BOX	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -3 - BOX 50 pcs.	40-42-44
11111064	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -4	45-46
11111064BOX	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -4 - BOX 50 pcs.	45-46
11111065	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -5	48-50
11111065BOX	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -5 - BOX 50 pcs.	48-50
11111066 *	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -6	56
11111066BOX *	HSCP/40 PRE-ASSEMBLED CENTRAL CLAMP -6 - BOX 50 pcs.	56
CODE	DESCRIPTION OF BLACK STEEL CLAMP	FOR PANELS H [mm]
FVD200002 *	HSCP/40 - PRE-ASSEMBLED CENTRAL CLAMP -1 - BLACK	30-32-34
FVD200002BOX *	HSCP/40 - PRE-ASSEMBLED CENTRAL CLAMP -1 - BLACK - BOX 50 pcs.	30-32-34
FVD200003 *	HSCP/40 - PRE-ASSEMBLED CENTRAL CLAMP -2 - BLACK	35-36-38
FVD200003BOX *	HSCP/40 - PRE-ASSEMBLED CENTRAL CLAMP -2 - BLACK - BOX 50 pcs.	35-36-38
FVD200004 *	HSCP/40 - PRE-ASSEMBLED CENTRAL CLAMP -3 - BLACK	40-42-44
FVD200004BOX *	HSCP/40 - PRE-ASSEMBLED CENTRAL CLAMP -3 - BLACK - BOX 50 pcs.	40-42-44



Datasheet



# HSC/40

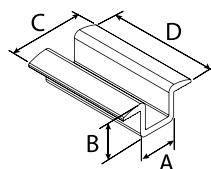
MADE IN ITALY

## CENTRAL CLAMP



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- WALL BRACKET LENGTH: 40MM
- USABLE FOR ALL SIZES OF PHOTOVOLTAIC PANELS
- HOLE Ø 8.5 MM
- ALSO AVAILABLE IN BLACK PAINTED VERSION



## PINCE CENTRALE



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- LONGUEUR SUPPORT AU MUR : 40 MM
- PEUT ÊTRE UTILISÉ POUR TOUTES LES TAILLES DE PANNEAUX PHOTOVOLTAÏQUES
- TROU Ø 8,5 MM
- ÉGALEMENT DISPONIBLE EN VERSION PEINTE EN NOIR

## ZENTRALKLEMME



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- LÄNGE DER WANDHALTERUNG: 40MM
- FÜR ALLE SOLARMODULE-GRÖSSEN VON PHOTOVOLTAIK-PLATTEN VERWENDBAR
- BOHRUNG Ø 8,5 MM
- AUCH IN SCHWARZ LACKIERTER VERSION ERHÄLTLICH



CODE	DESCRIPTION	A [mm]	B [mm]	C [mm]	D [mm]	HOLE Ø [mm]
11111060	HSC/40 CENTRAL CLAMP	21	19.5	43	40	8.5
11111060BOX	HSCP/HSC/40 CENTRAL CLAMP - BOX 50 pcs.	21	19.5	43	40	8.5
FVD200001 *	HSC/40 CENTRAL CLAMP - BLACK	21	19.5	43	40	8.5
FVD200001BOX *	HSC/40 CENTRAL CLAMP - BLACK - BOX 50 pcs.	21	19.5	43	40	8.5

Datasheet



\* AVAILABLE ON REQUEST

## STANDARD PRE-ASSEMBLED SIDE CLAMP



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- WALL BRACKET LENGTH: 40MM
- A2 STAINLESS STEEL SCREWS AND SPRINGS
- M8 THREADED STEEL SLIDER WITH GEOMET TREATMENT FOR PROTECTION AGAINST CORROSION
- SUPPLIED PRE-ASSEMBLED
- AVAILABLE FOR PANEL HEIGHTS FROM 30 MM TO 56 MM
- SCREW TIGHTENING WITH HEX KEY 6
- ALSO AVAILABLE IN BLACK PAINTED VERSION

## PINCE LATÉRALE DÉJÀ ASSEMBLÉE STANDARD



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- LONGUEUR SUPPORT AU MUR : 40 MM
- VIS ET RESSORTS EN ACIER INOXYDABLE A2
- CURSEUR EN ACIER FILETÉ M8 AVEC TRAITEMENT GEOMET POUR LA PROTECTION CONTRE LA CORROSION
- FOURNI PRÉ-ASSEMBLÉ
- DISPONIBLE POUR LES PANNEAUX DE 30 MM À 56 MM DE HAUTEUR
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6
- ÉGALEMENT DISPONIBLE EN VERSION PEINTE EN NOIR

## STANDARD VORMONTIER-TE SEITENKLEMME



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- LÄNGE DER WANDHALTERUNG: 40MM
- SCHRAUBEN UND FEDERN AUS EDELSTAHL A2
- STAHLSCHEIBER MIT M8-GEWINDE UND GEOMET-BEHANDLUNG ZUM SCHÜTZ VOR KORROSION
- WIRD VORMONTIERT GELIEFERT
- ERHÄLTLICH FÜR PANELHÖHEN VON 30 MM BIS 56 MM
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6
- AUCH IN SCHWARZ LACKIERTER VERSION ERHÄLTLICH



NON-SLIP KNURLING

CODE	DESCRIPTION OF STEEL CLAMP	FOR PANELS H [mm]
11111071	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 30	30
11111071BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 30 - BOX 20 pcs.	30
11111073	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 32	32
11111073BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 32 - BOX 20 pcs.	32
11111075	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 34	34
11111075BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 34 - BOX 20 pcs.	34
11111077	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 35	35
11111077BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 35 - BOX 20 pcs.	35
11111079	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 36	36
11111079BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 36 - BOX 20 pcs.	36
11111081	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 38	38
11111081BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 38 - BOX 20 pcs.	38
11111083	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 40	40
11111083BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 40 - BOX 20 pcs.	40
11111085	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 42	42
11111085BOX	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 42 - BOX 20 pcs.	42
CODE	DESCRIPTION OF BLACK STEEL CLAMP	FOR PANELS H [mm]
FVD200012*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 30 - BLACK	30
FVD200012BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 30 BLACK - BOX 20 pcs.	30
FVD200013*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 32 - BLACK	32
FVD200013BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 32 BLACK - BOX 20 pcs.	32
FVD200014*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 34 - BLACK	34
FVD200014BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 34 BLACK - BOX 20 pcs.	34
FVD200015*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 35 - BLACK	35
FVD200015BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 35 BLACK - BOX 20 pcs.	35
FVD200016*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 36 - BLACK	36
FVD200016BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 36 BLACK - BOX 20 pcs.	36
FVD200017*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 38 - BLACK	38
FVD200017BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 38 BLACK - BOX 20 pcs.	38
FVD200018*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 40 - BLACK	40
FVD200018BOX*	HSLP/40 PRE-ASSEMBLED SIDE CLAMP - 40 BLACK - BOX 20 pcs.	40



Datasheet



\* AVAILABLE ON REQUEST

## SIDE CLAMP



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- WALL BRACKET LENGTH: 40MM
- AVAILABLE FOR PANELS FROM 30 MM TO 56 MM
- HOLE Ø 8.5 MM
- ALSO AVAILABLE IN BLACK PAINTED VERSION

## PINCE LATÉRALE



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- LONGUEUR SUPPORT AU MUR : 40 MM
- DISPONIBLE POUR PANNEAUX DE 30 MM À 56 MM
- TROU Ø 8.5 MM
- ÉGALEMENT DISPONIBLE EN VERSION PEINTE EN NOIR

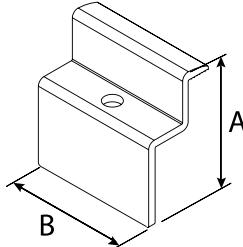
## SEITENKLEMME



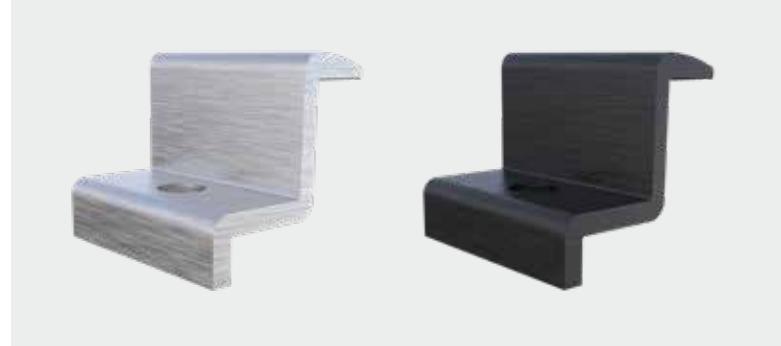
### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- LÄNGE DER WANDHALTERUNG: 40 MM
- VERFÜGBAR FÜR PLATTEN VON 30 MM BIS 56 MM
- BOHRUNG Ø 8.5 MM
- AUCH IN SCHWARZ LACKIERTER VERSION ERHÄLTLICH

NON-SLIP KNURLING



Datasheet



CODE	DESCRIPTION OF STEEL CLAMP	A [mm]	B [mm]	HOLE Ø [mm]	FOR PANELS H [mm]
11111070	HSL/40 SIDE CLAMP - 30	34	40	8.5	30
11111070BOX	HSL/40 SIDE CLAMP - 30 - BOX 20 pcs.	34	40	8.5	30
11111072	HSL/40 SIDE CLAMP - 32	36	40	8.5	32
11111072BOX	HSL/40 SIDE CLAMP - 32 - BOX 20 pcs.	36	40	8.5	32
11111074	HSL/40 SIDE CLAMP - 34	38	40	8.5	34
11111074BOX	HSL/40 SIDE CLAMP - 34 - BOX 20 pcs.	38	40	8.5	34
11111076	HSL/40 SIDE CLAMP - 35	39	40	8.5	35
11111076BOX	HSL/40 SIDE CLAMP - 35 - BOX 20 pcs.	39	40	8.5	35
11111078	HSL/40 SIDE CLAMP - 36	40	40	8.5	36
11111078BOX	HSL/40 SIDE CLAMP - 36 - BOX 20 pcs.	40	40	8.5	36
11111080	HSL/40 SIDE CLAMP - 38	42	40	8.5	38
11111080BOX	HSL/40 SIDE CLAMP - 38 - BOX 20 pcs.	42	40	8.5	38
11111082	HSL/40 SIDE CLAMP - 40	44	40	8.5	40
11111082BOX	HSL/40 SIDE CLAMP - 40 - BOX 20 pcs.	44	40	8.5	40
11111084	HSL/40 SIDE CLAMP - 42	46	40	8.5	42
11111084BOX	HSL/40 SIDE CLAMP - 42 - BOX 20 pcs.	46	40	8.5	42
CODE	DESCRIPTION OF BLACK STEEL CLAMP	A [mm]	B [mm]	HOLE Ø [mm]	FOR PANELS H [mm]
FVD200005*	HSL/40 SIDE CLAMP - 30 - BLACK	34	40	8.5	30
FVD200005BOX*	HSL/40 SIDE CLAMP - 30 - BLACK - BOX 20 pcs.	34	40	8.5	30
FVD200006*	HSL/40 SIDE CLAMP - 32 - BLACK	36	40	8.5	32
FVD200006BOX*	HSL/40 SIDE CLAMP - 32 - BLACK - BOX 20 pcs.	36	40	8.5	32
FVD200007*	HSL/40 SIDE CLAMP - 34 - BLACK	38	40	8.5	34
FVD200007BOX*	HSL/40 SIDE CLAMP - 34 - BLACK - BOX 20 pcs.	38	40	8.5	34
FVD200008*	HSL/40 SIDE CLAMP - 35 - BLACK	39	40	8.5	35
FVD200008BOX*	HSL/40 SIDE CLAMP - 35 - BLACK - BOX 20 pcs.	39	40	8.5	35
FVD200009*	HSL/40 SIDE CLAMP - 36 - BLACK	40	40	8.5	36
FVD200009BOX*	HSL/40 SIDE CLAMP - 36 - BLACK - BOX 20 pcs.	40	40	8.5	36
FVD200010*	HSL/40 SIDE CLAMP - 38 - BLACK	42	40	8.5	38
FVD200010BOX*	HSL/40 SIDE CLAMP - 38 - BLACK - BOX 20 pcs.	42	40	8.5	38
FVD200011*	HSL/40 SIDE CLAMP - 40 - BLACK	44	40	8.5	40
FVD200011BOX*	HSL/40 SIDE CLAMP - 40 - BLACK - BOX 20 pcs.	44	40	8.5	40

\* AVAILABLE ON REQUEST

# HSLPST

MADE IN ITALY

PRE-ASSEMBLED SIDE CLAMP FOR SOLAR THERMAL PANEL



## TECHNICAL SPECIFICATIONS

- M8 THREADED ACETAL COPOLYMER SLIDER WITH STEEL PLATE GEOMET TREATMENT
- AISI A2 STAINLESS STEEL SCREW AND SPRING

PINCE LATÉRALE DÉJÀ ASSEMBLÉE POUR PANNEAU SOLAIRE THERMIQUE

## CARACTÉRISTIQUES TECHNIQUES

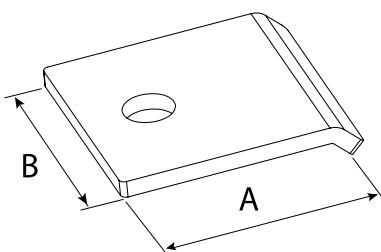
- CURSEUR EN COPOLYMÈRE ACÉTALIQUE AVEC PLAQUE EN ACIER TRAITEMENT GEOMET FILETAGE M8
- VIS ET RESSORT EN ACIER INOXIDABLE AISI A2

VORMONTIERTE SEITENKLEMME FÜR SOLARTHERMISCHES PANEL



## TECHNISCHE EIGENSCHAFTEN

- M8-GEWINDE-ACETAL-COPOLYMER-SCHIEBER MIT STAHLPLATTEN-GEOMET-BEHANDLUNG
- SCHRAUBE UND FEDER AUS EDELSTAHL AISI A2



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]
11110736	PRE-ASSEMBLED SIDE CLAMP	43	40
11110736BOX	PRE-ASSEMBLED SIDE CLAMP - BOX 30 pcs.	43	40

# HSLPST

MADE IN ITALY

PRE-ASSEMBLED CENTRAL CLAMP FOR SOLAR THERMAL PANEL



## TECHNICAL SPECIFICATIONS

- M8 THREADED ACETAL COPOLYMER SLIDER WITH STEEL PLATE GEOMET TREATMENT
- AISI A2 STAINLESS STEEL SCREW AND SPRING

PINCE CENTRALE DÉJÀ ASSEMBLÉE POUR PANNEAU SOLAIRE THERMIQUE

## CARACTÉRISTIQUES TECHNIQUES

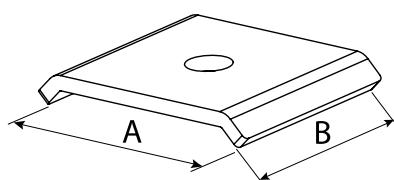
- CURSEUR EN COPOLYMÈRE ACÉTALIQUE AVEC PLAQUE EN ACIER TRAITEMENT GEOMET FILETAGE M8
- VIS ET RESSORT EN ACIER INOXIDABLE AISI A2

VORMONTIERTE ZENTRALKLEMME FÜR SOLARTHERMISCHES PANEL



## TECHNISCHE EIGENSCHAFTEN

- M8-GEWINDE-ACETAL-COPOLYMER-SCHIEBER MIT STAHLPLATTEN-GEOMET-BEHANDLUNG
- SCHRAUBE UND FEDER AUS EDELSTAHL AISI A2



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]
11110735	PRE-ASSEMBLED CENTRAL CLAMP	50	40
11110735BOX	PRE-ASSEMBLED SIDE CLAMP - BOX 30 pcs.	50	40

# MPST-L NEW

MADE IN ITALY

PRE-ASSEMBLED SIDE CLAMP FOR SOLAR THERMAL PANEL



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 3 MM
- SLIDER MATERIAL: STEEL WITH GEOMET TREATMENT
- M8 SCREW IN STAINLESS STEEL

PINCE LATÉRALE DÉJÀ ASSEMBLÉE POUR PANNEAU SOLAIRE THERMIQUE



#### CARACTÉRISTIQUES TECHNIQUES

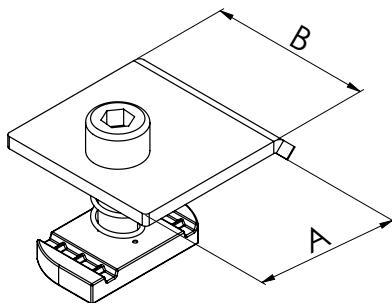
- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 3 MM
- MATÉRIAU DU CURSEUR : ACIER TRAITÉ AVEC GEOMET
- VIS M8 EN ACIER INOXYDABLE

VORMONTIERTE SEITENKLEMME FÜR SOLAR-THERMISCHES PANEL



#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- DICKE: 3 MM
- SCHIEBERMATERIAL: STAHL MIT GEOMET-BEHANDLUNG
- M8-SCHRAUBE AUS EDELSTAHL



[Datasheet](#)

CODE	DESCRIPTION	A [mm]	B [mm]
FVD200035	PRE-ASSEMBLED SIDE CLAMP FOR SOLAR THERMAL PANEL	43	40
FVD200035BOX	PRE-ASSEMBLED SIDE CLAMP FOR SOLAR THERMAL PANEL - BOX 30 PCS	43	40



# MPST-C NEW

MADE IN ITALY

PRE-ASSEMBLED CENTRAL CLAMP FOR SOLAR THERMAL PANEL



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 3 MM
- SLIDER MATERIAL: STEEL WITH GEOMET TREATMENT
- M8 SCREW IN STAINLESS STEEL

PINCE CENTRALE DÉJÀ ASSEMBLÉE POUR PANNEAU SOLAIRE THERMIQUE



#### CARACTÉRISTIQUES TECHNIQUES

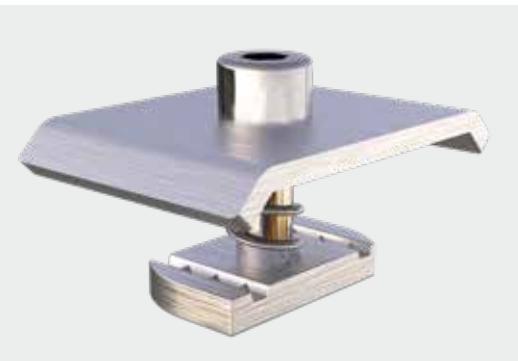
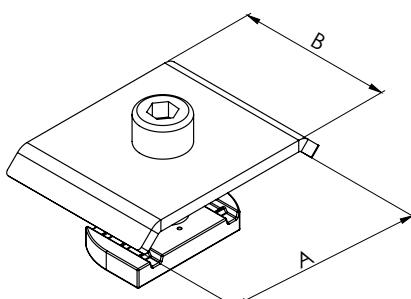
- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 3 MM
- MATÉRIAU DU CURSEUR : ACIER TRAITÉ AVEC GEOMET
- VIS M8 EN ACIER INOXYDABLE

VORMONTIERTE ZENTRALKLEMME FÜR SOLAR-THERMISCHES PANEL



#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- DICKE: 3 MM
- SCHIEBERMATERIAL: STAHL MIT GEOMET-BEHANDLUNG
- M8-SCHRAUBE AUS EDELSTAHL



[Datasheet](#)

CODE	DESCRIPTION	A [mm]	B [mm]
FVD200036	PRE-ASSEMBLED CENTRAL CLAMP FOR SOLAR THERMAL PANEL	50	40
FVD200036BOX	PRE-ASSEMBLED CENTRAL CLAMP FOR SOLAR THERMAL PANEL - BOX 30 PCS	50	40



**LOCKING SLIDER WITH  
ACETYL OVERMOULDED  
STEEL PLATE**



**TECHNICAL SPECIFICATIONS**

- M8 THREADED ACETAL COPOLYMER SLIDER WITH STEEL PLATE GEOMET TREATMENT FOR PROTECTION AGAINST CORROSION
- UNIVERSAL FOR PROFILES "FVP"
- HOLDS Ø M8

COPOLYMER SLIDER WITH INTERNAL STEEL PLATE



PATENTED PRODUCT

**CURSEUR DE VERROUILLAGE  
AVEC PLAQUE EN ACÉTAL  
SURMOULÉE D'ACIER**



**CARACTÉRISTIQUES TECHNIQUES**

- CURSEUR EN COPOLYMÈRE ACÉTALIQUE AVEC PLAQUE EN ACIER TRAITEMENT GEOMET FILETAGE M8
- UNIVERSELLE POUR PROFILÉS FVP
- TROUS Ø M8

**VERRIEGELUNGSSCHIEBER  
MIT ACETYL-UMFORMTER  
STAHLPLATTE**



**TECHNISCHE EIGENSCHAFTEN**

- ACETAL - COPOLYMER - SCHIEBER MIT M8 - GEWINDE UND GEOMET - STAHLPLATTENBEHANDLUNG ZUM KORROSIONSSCHUTZ
- UNIVERSAL FÜR PROFILE „FVP“
- BOHRUNGEN Ø M8

Datasheet



**CODE**

**DESCRIPTION**

11110841

HCDB LOCKING SLIDER

11110841BOX

HCDB LOCKING SLIDER - BOX 100 pcs.

**SCREW FOR FIXING BRA-  
CKETS "HSC-HSL 40/60"  
COMPATIBLE FOR SLIDER  
"HCDB"**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: M8 STAINLESS STEEL
- SCREW TIGHTENING WITH HEX KEY 6
- SLIDER NOT SUPPLIED

**VIS DE FIXATION DES PAT-  
TES "HSC-HSL 40/60"  
COMPATIBLE AVEC CUR-  
SEUR "HCDB"**



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX M8
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6
- CURSEUR NON FOURNI

**SCHRAUBE ZUR BEFESTI-  
GUNG DER HALTERUNGEN  
"HSC-HSL 40/60" KOMPA-  
TIBEL MIT SCHIEBER "HCDB"**



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: M8 EDELSTAHL
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6
- SCHIEBER NICHT IM LIEFERUMFANG ENTHALTEN

<b>CODE</b>	<b>DESCRIPTION</b>	<b>"HSC" BRACKET</b>	<b>"HSL" BRACKET</b>
11110872	SHC SCREW M8 x 30	-	PANELS 30-32-34
11110872BOX	SHC SCREW M8 X 30 - BOX 100 pcs.	-	PANELS 30-32-34
11110873	SHC SCREW M8 x 35	PANELS 30-32-34	PANELS 35-36-38
11110873BOX	SHC SCREW M8 X 35 - BOX 100 pcs.	PANELS 30-32-34	PANELS 35-36-38
11110874	SHC SCREW M8 x 40	PANELS 35-36-38	PANELS 40-42-44
11110874BOX	SHC SCREW M8 X 40 - BOX 100 pcs.	PANELS 35-36-38	PANELS 40-42-44
11110875	SHC SCREW M8 x 45	PANELS 40-42-44	PANELS 45-46-48
11110875BOX	SHC SCREW M8 X 45 - BOX 100 pcs.	PANELS 40-42-44	PANELS 45-46-48
11110876	SHC SCREW M8 x 50	PANELS 45-46	PANEL 50
11110876BOX	SHC SCREW M8 X 50 - BOX 100 pcs.	PANELS 45-46	PANEL 50
11110877	SHC SCREW M8 x 55	PANELS 48-50	PANEL 56
11110877BOX	SHC SCREW M8 X 55 - BOX 100 pcs.	PANELS 48-50	PANEL 56
11110878	SHC SCREW M8 x 60	PANEL 56	-
11110878BOX	SHC SCREW M8 X 60 - BOX 100 pcs.	PANEL 56	-
<b>CODE</b>	<b>DESCRIPTION</b>	<b>CLAMPS</b>	<b>CLAMPS</b>
11110870	SHC SCREW M8 x 20	HMC - HML	-
11110870BOX	SHC SCREW M8 X 20 - BOX 100 pcs.	HMC - HML	-



**Screw for HCDB slider**

Datasheet



# HPCB

MADE IN ITALY

## STEEL LOCKING SLIDER



### TECHNICAL SPECIFICATIONS

- UNIVERSAL FOR PROFILES "FVP"
- HOLES Ø M8
- MADE OF M8 THREADED STEEL WITH GEOMET TREATMENT FOR CORROSION PROTECTION
- DIMENSIONS: 34 X 19 X 5 MM

## CURSEUR DE BLOCAGE EN ACIER



### CARACTÉRISTIQUES TECHNIQUES

- UNIVERSELLE POUR PROFILÉS FVP
- TROUS Ø M8
- FABRIqué EN ACIER FILETé M8 AVEC TRAITEMENT GÉOM. POUR LA PROTECTION CONTRE LA CORROSION
- DIMENSIONS : 34 X 19 X 5 MM

## VERRIEGELUNGSSCHIEBER AUS STAHL



### TECHNISCHE EIGENSCHAFTEN

- UNIVERSAL FÜR PROFILE „FVP“
- BOHRUNGEN Ø M8
- HERGESTELLT AUS M8-GEWINDESTAHL MIT GEOMET-BEHANDLUNG ZUM KORROSIONSSCHUTZ
- ABMESSUNGEN: 34 X 19 X 5 MM



PATENTED PRODUCT

[Datasheet](#)

CODE	DESCRIPTION
11110846	HPCB STEEL LOCKING SLIDER HPCB
11110846BOX	HPCB STEEL LOCKING SLIDER - BOX 100 pcs.



## SCREW FOR FIXING BRACKETS "HSC-HSL 40/60" COMPATIBLE FOR SLIDER "HPCB"



### TECHNICAL SPECIFICATIONS

- MATERIAL: M8 STAINLESS STEEL
- SCREW TIGHTENING WITH HEX KEY 6
- SLIDER NOT SUPPLIED

## VIS DE FIXATION DES PATTES "HSC-HSL 40/60" COMPATIBLE AVEC CURSEUR HPCB



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX M8
- SERRAGE VISSAGE AVEC CLÉ HEXAGONALE DE 6
- CURSEUR NON FOURNI

## SCHRAUBE ZUR BEFESTIGUNG DER HALTERUNGEN "HSC-HSL 40/60" KOMPATIBEL FÜR SCHIEBER "HPCB"



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: M8 EDELSTAHL
- SCHRAUBENFESTZIEHEN MIT INBUSSCHLÜSSEL 6
- SCHIEBER NICHT IM LIEFERUMFANG ENTHALTEN

MADE IN ITALY

CODE	DESCRIPTION	"HSC" BRACKET	"HSL" BRACKET
11110872	SHC SCREW M8 x 30	-	PANELS 30-32-34
11110872BOX	SHC SCREW M8 X 30 - BOX 100 pcs.	-	PANELS 30-32-34
11110873	SHC SCREW M8 x 35	PANELS 30-32-34	PANELS 35-36-38
11110873BOX	SHC SCREW M8 X 35 - BOX 100 pcs.	PANELS 30-32-34	PANELS 35-36-38
11110874	SHC SCREW M8 x 40	PANELS 35-36-38	PANELS 40-42-44
11110874BOX	SHC SCREW M8 X 40 - BOX 100 pcs.	PANELS 35-36-38	PANELS 40-42-44
11110875	SHC SCREW M8 x 45	PANELS 40-42-44	PANELS 45-46-48
11110875BOX	SHC SCREW M8 X 45 - BOX 100 pcs.	PANELS 40-42-44	PANELS 45-46-48
11110876	SHC SCREW M8 x 50	PANELS 45-46	PANEL 50
11110876BOX	SHC SCREW M8 X 50 - BOX 100 pcs.	PANELS 45-46	PANEL 50
11110877	SHC SCREW M8 x 55	PANELS 48-50	PANEL 56
11110877BOX	SHC SCREW M8 X 55 - BOX 100 pcs.	PANELS 48-50	PANEL 56
11110878	SHC SCREW M8 x 60	PANEL 56	-
11110878BOX	SHC SCREW M8 X 60 - BOX 100 pcs.	PANEL 56	-
CODE	DESCRIPTION	CLAMPS	CLAMPS
11110870	SHC SCREW M8 x 20	HMC - HML	-
11110870BOX	SHC SCREW M8 X 20 - BOX 100 pcs.	HMC - HML	-

[Datasheet](#)



## FIXING SPRING



## RESSORT DE FIXATION



## BEFESTIGUNGSFEDER



CODE	DESCRIPTION
11110890	FIXING SPRING FOR CENTRAL/SIDE BRACKETS FROM 30 TO 38
11110890BOX	FIXING SPRING FOR CENTRAL/SIDE BRACKETS FROM 30 TO 38 - BOX 100 pcs.
11110891	FIXING SPRING FOR CENTRAL/SIDE BRACKETS FROM 40 TO 56
11110891BOX	FIXING SPRING FOR CENTRAL/SIDE BRACKETS FROM 40 TO 56 - BOX 100 pcs.

[Datasheet](#)



# HPSVP1

MADE IN ITALY

SUPPORT PLATE WITH DOUBLE THREAD SCREW



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL

PLAQUE DE SUPPORT AVEC VIS À DOUBLE FILETAGE



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304

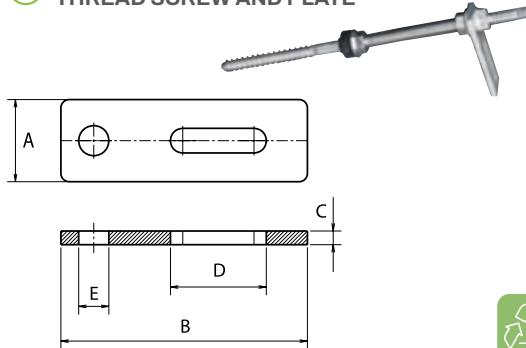
TRAGPLATTE MIT DOPPELGEWINDESCHRAUBE



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304

SUPPLIED WITH DOUBLE THREAD SCREW AND PLATE



CODE	A [mm]	B [mm]	C [mm]	D [mm]	ØE [mm]
11110746	30	90	5	49	10
11110747	30	90	5	49	12

## CODE

## DESCRIPTION

11110746	PLATE WITH SCREW Ø 10 X 250
11110746BOX	PLATE WITH SCREW Ø 10 X 250 - BOX 10pcs.
11110747	PLATE WITH SCREW Ø 12 X 300
11110747BOX	PLATE WITH SCREW Ø 12 X 300 - BOX 10pcs.
NEW FVD600004	PLATE WITH SCREW Ø 12 X 350
NEW FVD600004BOX	PLATE WITH SCREW Ø 12 X 350 - BOX 10 PCS
NEW FVD600005	PLATE WITH SCREW Ø 12 X 400
NEW FVD600005BOX	PLATE WITH SCREW Ø 12 X 400 - BOX 10 PCS

[Datasheet](#)



DOUBLE THREAD SCREW WITH GASKET AND NUTS FOR STRUCTURES IN WOOD / CONCRETE



## TECHNICAL SPECIFICATIONS

- A2 STAINLESS STEEL SCREW
- AVAILABLE IN LENGTHS OF 200 MM, 250 MM AND 300 MM



VIS À DOUBLE FILETAGE AVEC JOINTS ET ÉCROUS POUR LES STRUCTURES EN BOIS/BÉTON



## CARACTÉRISTIQUES TECHNIQUES

- VIS EN ACIER INOXYDABLE A2
- DISPONIBLE EN LONGUEURS DE 200 MM, 250 MM ET 300 MM

DOPPELGEWINDESCHRAUBE MIT DICHTUNG UND MUTTERN FÜR KONSTRUKTIONEN AUS HOLZ / BETON



## TECHNISCHE EIGENSCHAFTEN

- SCHRAUBE AUS EDELSTAHL A2
- ERHÄLTLICH IN DEN LÄNGEN 200 MM, 250 MM UND 300 MM



## CODE

## DESCRIPTION

11110867	SCREW M10 x 200
11110867BOX	SCREW M10 X 200 - BOX 30pcs.
11110868	SCREW M10 x 250
11110868BOX	SCREW M10 X 250 - BOX 30pcs.
11110869	SCREW M12 x 300
11110869BOX	SCREW M12 X 300 - BOX 30pcs.

[Datasheet](#)



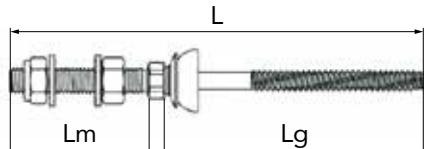
NEW FVD600002	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M12 X 350
NEW FVD600002BOX	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M12 X 350 - BOX 30 PCS
NEW FVD600003	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M12 X 400
NEW FVD600003BOX	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M12 X 400 - BOX 30 PCS

**DOUBLE THREAD SCREW  
WITH GASKET AND NUTS  
FOR STEEL  
SUBSTRUCTURES**



**TECHNICAL SPECIFICATIONS**

- A2 STAINLESS STEEL SCREW
- GASKET IN EPDM
- SET OF HEX NUTS TO MOUNT THE PLATES



Datasheet



**DOPPELGEWINDESCHRAU-  
BE MIT DICHTUNG UND  
MUTTERN FÜR STAHLUN-  
TERKONSTRUKTIONEN**



**TECHNISCHE EIGENSCHAFTEN**

- SCHRAUBE AUS EDELSTAHL A2
- DICHTUNG AUS EPDM
- SATZ SECHSKANTMUTTERN ZUR MONTAGE DER MODULE



CODE	L [mm]	LM [mm]	Lg [mm]	METRIC THREAD	PRE-DRILLED HOLE [mm]
FVC600003	181	50	125	M10	6.8
FVC600004	206	50	150	M10	6.8
FVC600005	216	50	160	M10	6.8
FVC600006	256	50	200	M10	6.8

CODE	DESCRIPTION
FVC600003	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M10 X 181
FVC600003BOX	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURE M10 X 181 (pack 30pcs)
FVC600004	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M10 X 206
FVC600004BOX	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURE M10 X 206 (pack 30pcs)
FVC600005	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M10 X 216
FVC600005BOX	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURE M10 X 216 (pack 30pcs)
FVC600006	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURES M10 X 256
FVC600006BOX	DOUBLE THREAD SCREW WITH GASKET FOR STEEL SUBSTRUCTURE M10 X 256 (pack 30pcs)

## HPCB

MADE IN ITALY

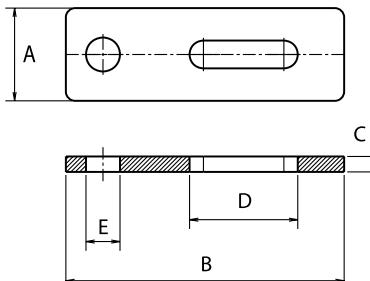


**SUPPORT PLATE FOR  
DOUBLE THREAD SCREW**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304 STAINLESS STEEL
- MATERIAL: GALVANISED STEEL



**LAQUE DE SUPPORT POUR  
VIS À DOUBLE FILETAGE**



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- MATÉRIAU : ACIER GALVANISÉ

**STÜTZESPLATTE FÜR  
DOPPELGEWINDESCHRAU-  
BE**



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- MATERIAL: GALVANISIERTER STAHL



CODES	A [mm]	B [mm]	C [mm]	D [mm]	Ø E [mm]
11110723 / 11110723Z	30	90	5	49	10
11110724 / 11110724Z	30	90	5	49	12

STAINLESS STEEL CODE	DESCRIPTION
11110723	PLATE FOR SCREW Ø 10
11110723BOX	PLATE FOR SCREW Ø 10 - BOX 10pcs.
11110724	PLATE FOR SCREW Ø 12
11110724BOX	PLATE FOR SCREW Ø 12 - BOX 10pcs.

GALVANIZED CODE	DESCRIPTION
11110723Z	PLATE FOR SCREW Ø 10
11110723ZBOX	PLATE FOR SCREW Ø 10 - BOX 10pcs.
11110724Z	PLATE FOR SCREW Ø 12
11110724ZBOX	PLATE FOR SCREW Ø 12 - BOX 10pcs.

### L" SUPPORT PLATE FOR DOUBLE THREADED SCREW



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5 MM

### "L" PLAQUE DE SUPPORT POUR VIS À DOUBLE FILETAGE



#### CARACTÉRISTIQUES TECHNIQUES

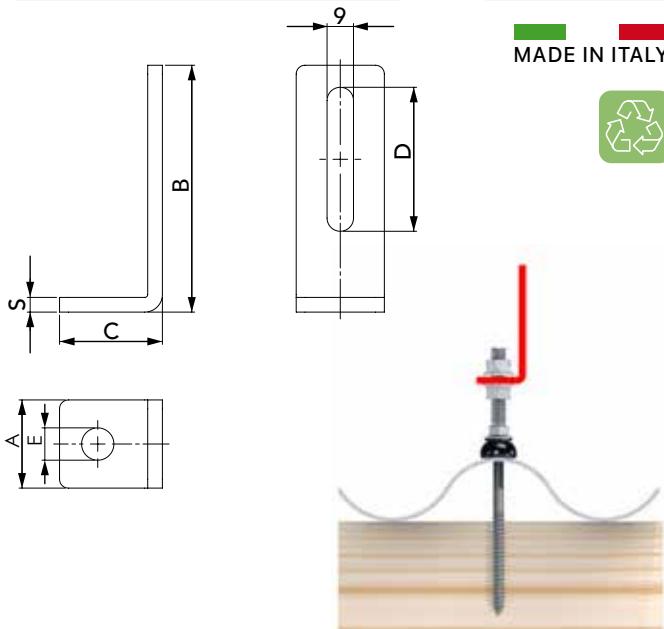
- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM

### "L" TRAGPLATTE FÜR DOPPELGEWINDE-SCHRAUBE



#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- DICKE: 5 MM



NEW



#### APPLICATION EXAMPLE

[Datasheet](#)



CODE	A [mm]	B [mm]	C [mm]	D [mm]	Ø E [mm]	S [mm]
FVD200038	30	84	35	49	11	5
FVD200039	30	84	35	49	13	5

CODE	DESCRIPTION
FVD200038	"L" SUPPORT PLATE FOR M10 DOUBLE THREADED SCREW
FVD200038BOX	"L" SUPPORT PLATE FOR M10 DOUBLE THREADED SCREW - BOX OF 10 PCS
FVD200039	"L" SUPPORT PLATE FOR M12 DOUBLE THREADED SCREW
FVD200039BOX	"L" SUPPORT PLATE FOR M12 DOUBLE THREADED SCREW - BOX OF 10 PCS

### GASKET IN EPDM



#### TECHNICAL SPECIFICATIONS

- SHOCK-RESISTANT
- HIGH HEAT RESISTANCE (+100°C)
- RESISTANT TO LOW TEMPERATURES (-25°C)

### JOINT EN EPDM



#### CARACTÉRISTIQUES TECHNIQUES

- RÉSISTANT AUX CHOCS
- HAUTE RÉSISTANCE À LA CHALEUR (+100 °C)
- RÉSISTANT AUX BASSES TEMPÉRATURES (-25°C)

### DICHTUNG AUS EPDM



#### TECHNISCHE EIGENSCHAFTEN

- STOSSFEST
- HOHE HITZEBESTÄNDIGKEIT (+100°C)
- BESTÄNDIG GEGEN NIEDRIGE TEMPERATUREN (-25°C)



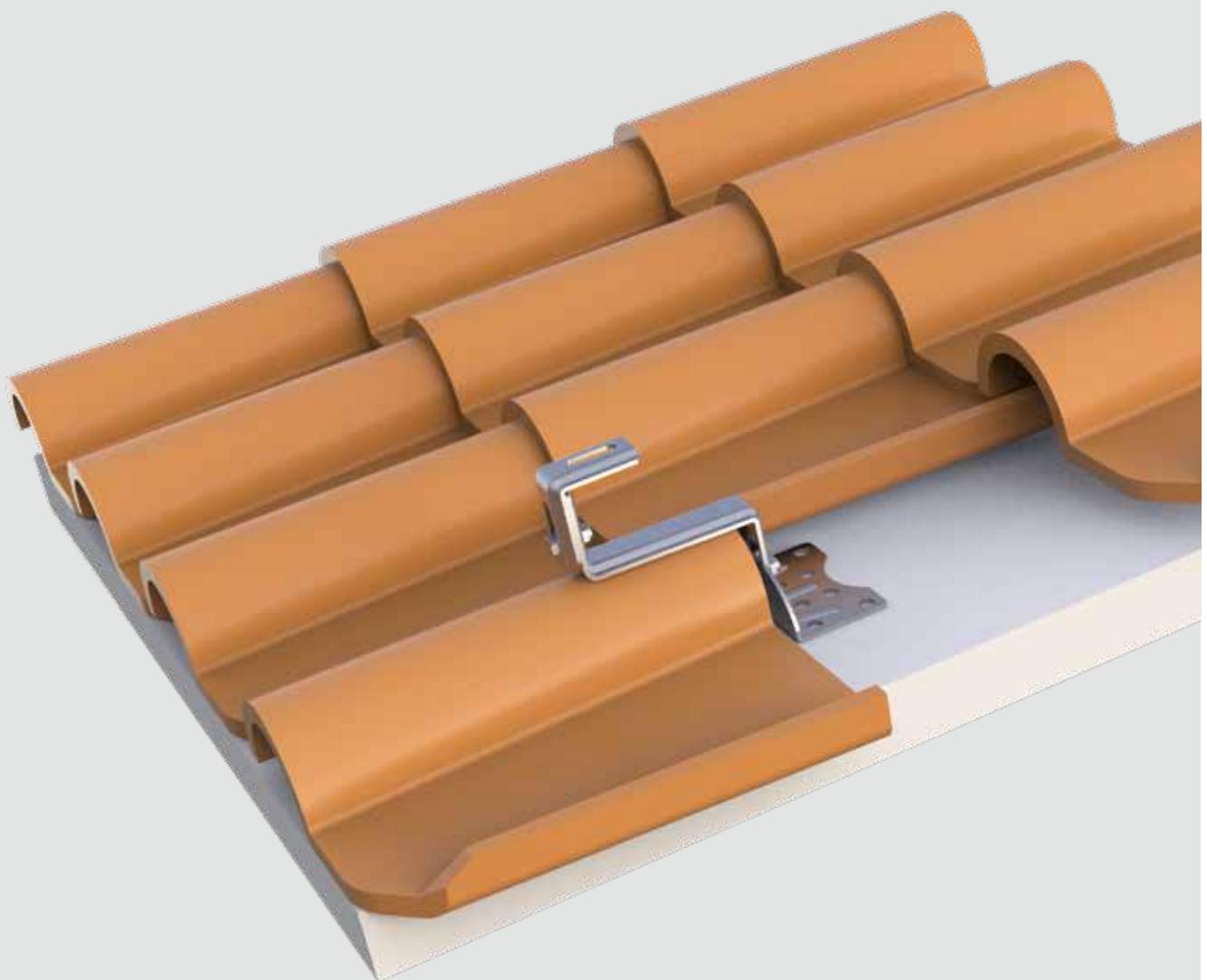
[Datasheet](#)



CODE	DESCRIPTION
11110896	GASKET M10-M12



# FIXED / ADJUSTABLE SUPPORTS FOR ROOFS WITH PANTILES



PANTILES



DOUBLE-ADJUSTMENT  
LOW SUPPORT FOR ROOFS  
WITH PANTILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- NO.8 Ø11 HOLES PREPARED FOR BRACKET FIXING
- HOOK DIMENSIONS 40 MM X TH. 3MM

INFÉRIEUR DOUBLE  
RÉGLABLE  
POUR TOITS EN TUILES



#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- 8 TROUS Ø 11 PRÉPARÉS POUR LA FIXATION SUPPORT
- TAILLE CROCHET 40 MM X ÉP. 3 MM

DOPPELT EINSTELLBARE  
NIEDRIGE STÜTZE FÜR  
DÄCHER MIT PFANNEN-  
ZIEGELN

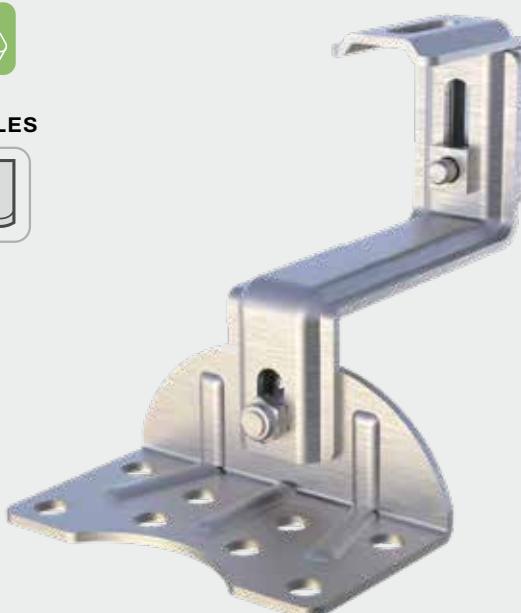


#### TECHNISCHE EIGENSCHAFTEN

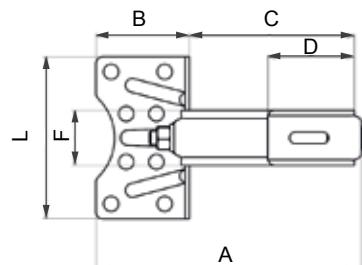
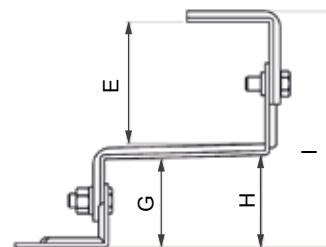
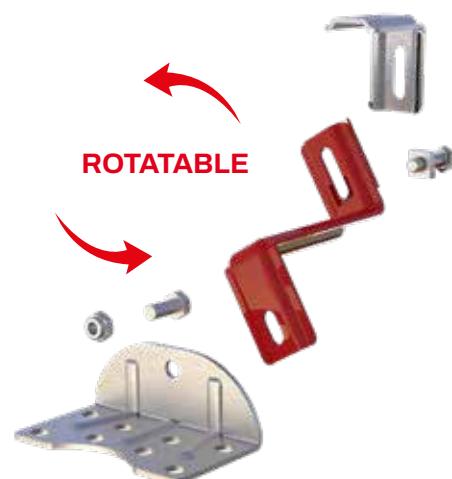
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- NR. 8 BOHRUNGEN Ø11, VORBEREITET FÜR DIE BEFESTIGUNG DER HALTERUNG
- HAKENABMESSUNGEN 40 MM X ST. 3MM



PANTILES



#### DOUBLE ADJUSTMENT



VERSION	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	L [mm]
SHORT	190	70	120	60	60÷89	40	53÷64	56÷67	136÷172	120
LONG	190	70	120	60	60÷75	40	67÷78	70÷81	146÷172	120

N.B.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS 11110883 (PAG.94) OR 11110893 (PAG.95)

Datasheet

CODE	DESCRIPTION
11111102	HS2DRT DOUBLE-ADJUSTMENT SUPPORT
11111102BOX	HS2DRT DOUBLE-ADJUSTMENT SUPPORT - BOX 10 pcs.



# HS2HDRT

MADE IN ITALY

HIGH DOUBLE-  
ADJUSTMENT SUPPORT  
FOR ROOFS WITH PANTILES



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- NO.8 Ø11 HOLES PREPARED FOR BRACKET FIXING
- HOOK DIMENSIONS 40 MM X TH. 3MM

SUPPORT SUPÉRIEUR À  
DOUBLE RÉGLAGE POUR  
LES TOITS EN TUILES



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- 8 TROUS Ø 11 PRÉPARÉS POUR LA FIXATION SUPPORT
- TAILLE CROCHET 40 MM X ÉP. 3 MM

HOHE, DOPPELT  
VERSTELLBARE STÜTZE  
FÜR DÄCHER MIT  
PFANNENZIEGELN



## TECHNISCHE EIGENSCHAFTEN

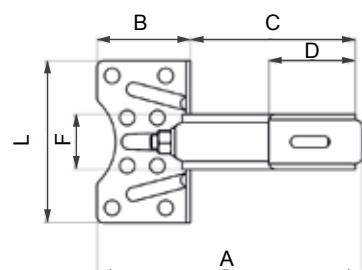
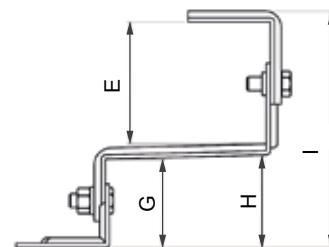
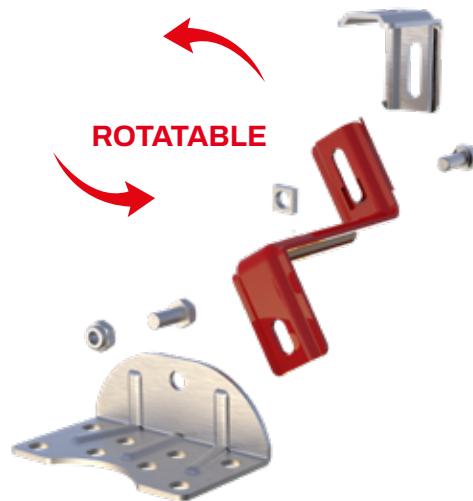
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- NR. 8 BOHRUNGEN Ø11, VORBEREITET FÜR DIE BEFESTIGUNG DER HALTERUNG
- HAKENABMESSUNGEN 40 MM X ST. 3MM



PANTILES



## DOUBLE ADJUSTMENT



VERTICAL	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	L [mm]
SHORT	193	70	120	60	97÷122	40	58÷69	61÷72	174÷210	120
LONG	193	70	120	60	65÷80	40	100÷111	103÷114	184÷210	120

N.B.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS 11110883 (PAG.94) OR 11110893 (PAG.95)

Datasheet

CODE	DESCRIPTION
11111103	HS2HDRT DOUBLE-ADJUSTMENT SUPPORT
11111103BOX	HS2HDRT DOUBLE-ADJUSTMENT SUPPORT - BOX 10 pcs.



WIDE BASE DOUBLE-ADJUSTMENT SUPPORT  
ON ROOFS WITH PANTILES



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- HOOK DIMENSIONS 30 MM X TH. 5MM
- NO. 5 Ø9 HOLES PREPARED FOR PLATE FIXING

SUPPORT À BASE LARGE  
AVEC DOUBLE RÉGLAGE  
SUR LES TOITS EN TUILES



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- NR. 5 TROUS Ø9 PRÉVUS POUR LA FIXATION DE LA PLAQUE

DOPPELT VERSTELLBA-  
RE STÜTZE MIT BREITER  
BASIS AUF DÄCHERN MIT  
PFANNENZIEGELN



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR. 5 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



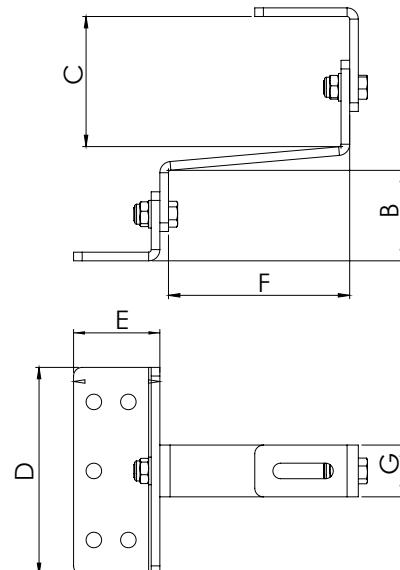
PANTILES



## DOUBLE ADJUSTMENT



## ADJUSTABLE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
145	41÷52	60÷80	120	50	105	30

Datasheet

CODE	DESCRIPTION
FVD300002	FSDRL - WIDE BASE DOUBLE-ADJUSTMENT SUPPORT
FVD300002BOX	FSDRL - WIDE BASE DOUBLE-ADJUSTMENT SUPPORT - BOX 10pcs.



## 160-140R SUPPORT FOR FIXING ON ROOFS WITH PANTILES



### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- HOOK DIMENSIONS 30 MM X TH. 5MM
- NO.10 Ø9 HOLES PREPARED FOR PLATE FIXING

## 160-140R SUPPORT POUR FIXATION SUR LES TOITS À TUILES



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 10 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

## 160-140R STÜTZE ZUR BEFESTIGUNG AUF DACH MIT PFANNENZIEGELN

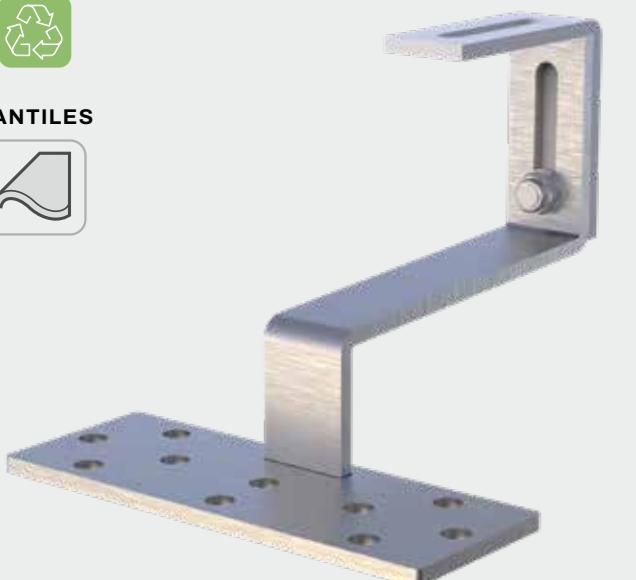


### TECHNISCHE EIGENSCHAFTEN

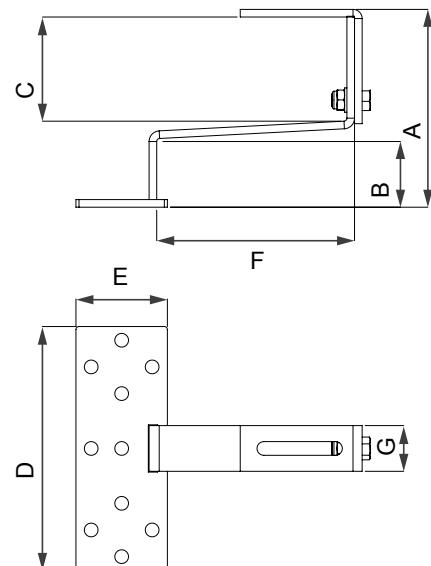
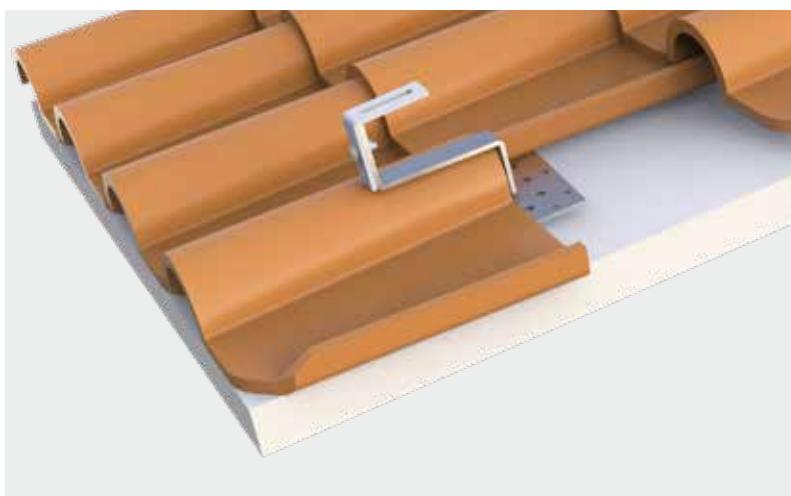
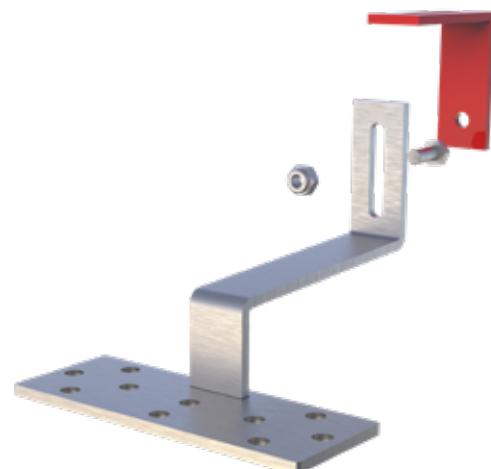
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.10 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



### PANTILES



### SINGLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
133 ÷ 173	50	72 ÷ 122	160	60	130	30

NB.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS 11110883 (PAG.94) OR 11110893 (PAG.95)

Datasheet

CODE	DESCRIPTION
11110714	HSTL SUPPORT WITH SIDE COUPLER
11110714BOX	HSTL SUPPORT WITH SIDE COUPLER - BOX 10pcs.



ADJUSTABLE SUPPORT  
FOR FIXING ON THE ROOF  
WITH TILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- MOD. OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH TO TRACTION: 515 N/MM<sup>2</sup>
- THICKNESS 5 MM
- HOOK DIM. 30 MM X TH.5 MM
- N°.10 HOLES SET-UP FOR FIXING PLATE

SUPPORT RÉGLABLE  
POUR FIXATION SUR LE  
TOIT AVEC DES TUILES

#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- EPAISSEUR 5 MM
- 10 TROUS Ø 9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

EINSTELLBARE STÜTZE  
ZUR BEFESTIGUNG  
AUF DACH MIT  
PFANNENZIEGELN

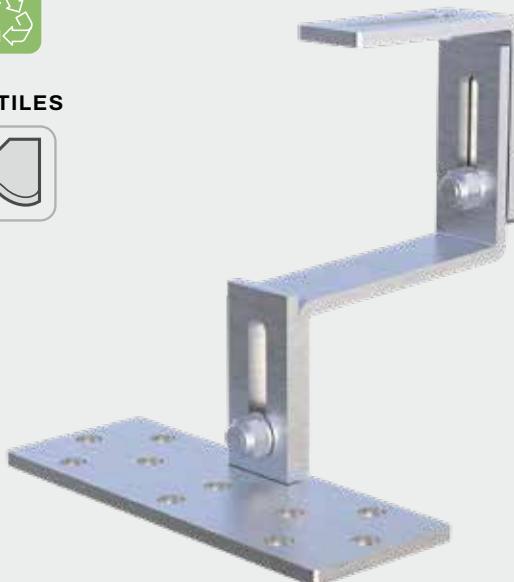


#### TECHNISCHE EIGENSCHAFTEN

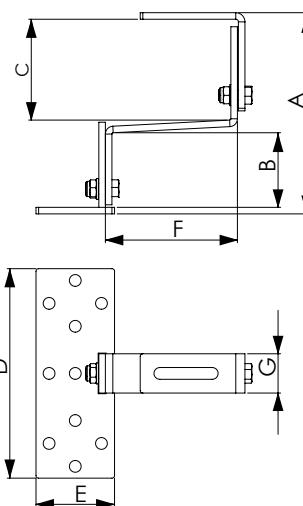
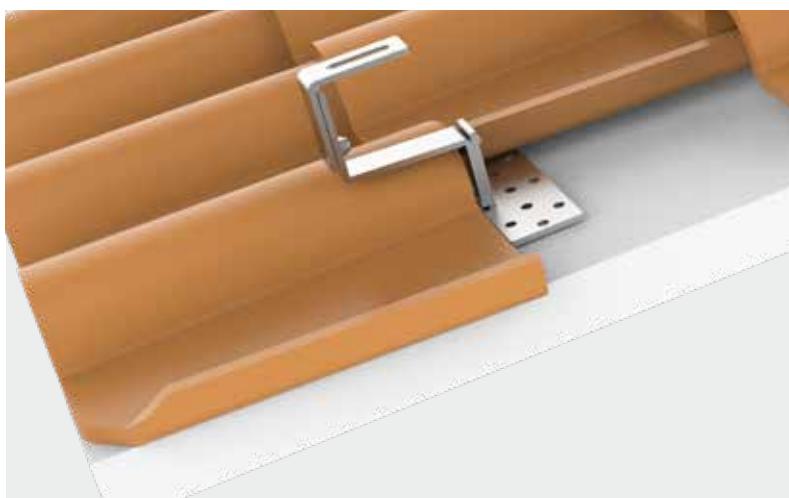
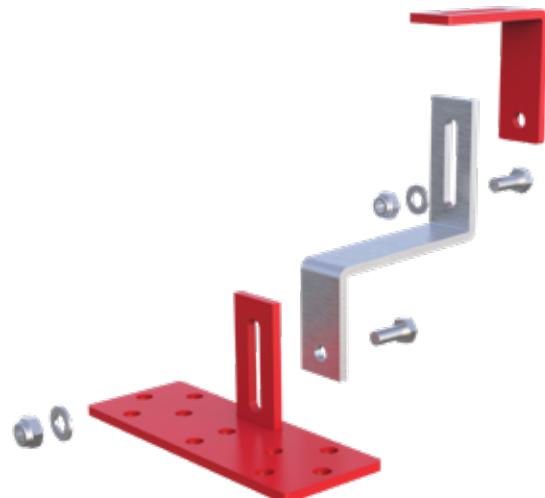
- MATERIAL: EDELSTAHL AISI 304
- MOD. ELASTIZITÄT: 196000 N/MM<sup>2</sup>
- ZUGKRAFT ZU TRAKTION: 515 N / MM<sup>2</sup>
- DICKE 5 MM
- 10-LOCH-VORRICHTUNG FÜR DIE BEFESTIGUNGSPLATTE



PANTILES



#### DOUBLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
153/230	55/100	75/115	160	60	96	30

Datasheet

CODE	DESCRIPTION
11110733	SUPPORT HSDRT - INOX AISI 304
11110733BOX	SUPPORT HSDRT - INOX AISI 304 - BOX 10 PCS.



**145/60-70 SUPPORT  
FOR FIXING  
ON ROOFS WITH PANTILES**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- HOOK DIMENSIONS 30 MM X TH. 5MM
- NO.10 Ø9 HOLES PREPARED FOR PLATE FIXING

**145/60-70 SUPPORT  
POUR FIXATION  
SUR TOITS EN TUILES**

**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 10 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

**145/60-70 STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN MIT  
PFANNENZIEGEL**

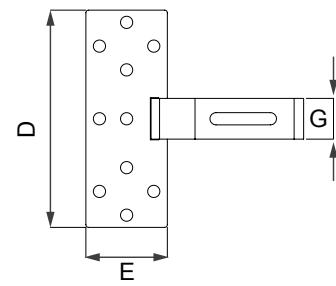
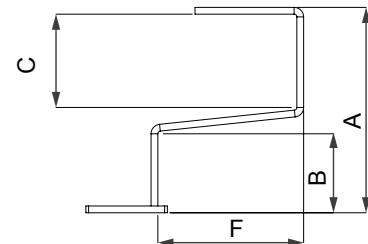


**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.10 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



**PANTILES**



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
145	60	70	160	60	110	30

N.B.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS 11110883 (PAG.94) OR 11110893 (PAG.95)

Datasheet

CODE	DESCRIPTION
11110705	HSTT 145/60-70 SUPPORT
11110705BOX	HSTT 145/60-70 SUPPORT - BOX 10pcs.



**155/70-70 SUPPORT  
FOR FIXING  
ON ROOFS WITH PANTILES**



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- HOOK DIMENSIONS 30 MM X TH. 5MM
- NO.10 Ø9 HOLES PREPARED FOR PLATE FIXING

**155/70-70 SUPPORT  
POUR FIXATION  
SUR TOITS EN TUILES**



#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 10 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

**155/70-70 STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN MIT  
PFANNENZIEGEL**

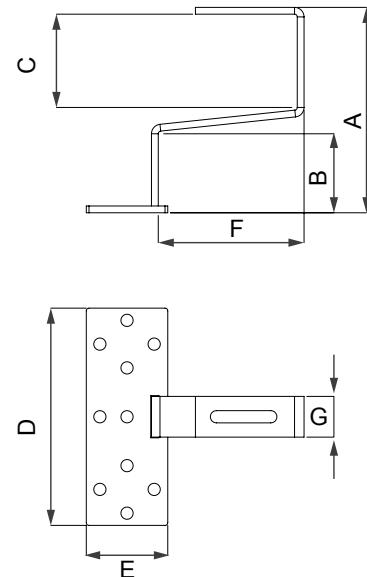


#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.10 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



PANTILES



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
155	70	70	160	60	110	30

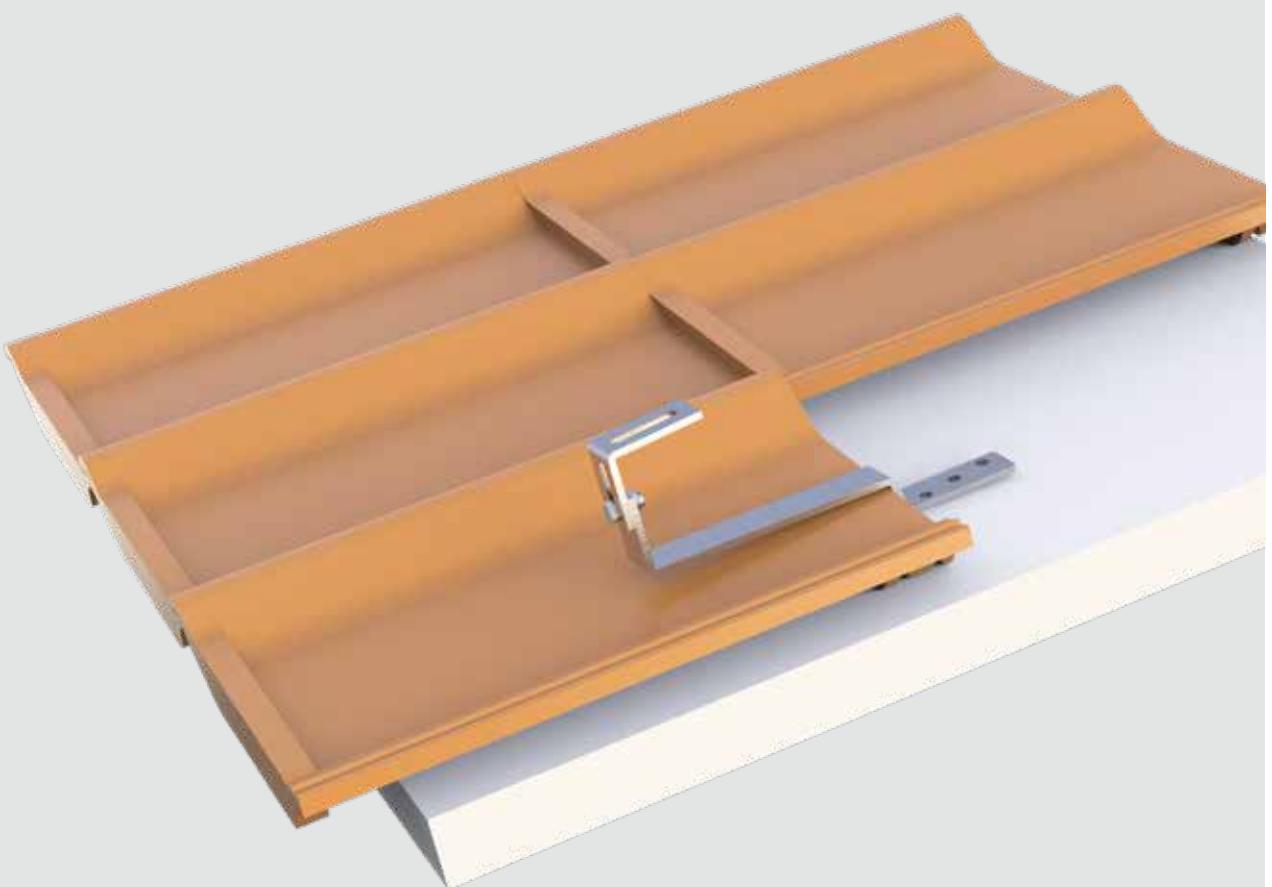
NB.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS 11110883 (PAG.94) OR 11110893 (PAG.95)

CODE	DESCRIPTION
11110706	HSTT 155/70-70 SUPPORT
11110706BOX	HSTT 155/70-70 SUPPORT - BOX 10pcs.

Datasheet



# FIXED / ADJUSTABLE SUPPORTS FOR ROOFS WITH BENT OR FLAT TILES



BENT TILES      PANTILES



ADJUSTABLE SUPPORT  
FOR FIXING ON ROOFS  
WITH BENT TILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5MM
- NO.8 HOLES Ø11 FOR ROOF FIXING

SUPPORT RÉGLABLE DE  
FIXATION  
SUR TOITS EN TUILES

#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- 8 TROUS Ø11 POUR LE MONTAGE SUR  
LE TOIT

EINSTELLBARE STÜTZE  
ZUR BEFESTIGUNG  
AUF DÄCHERN MIT  
GEOBOGENEN ZIEGELN

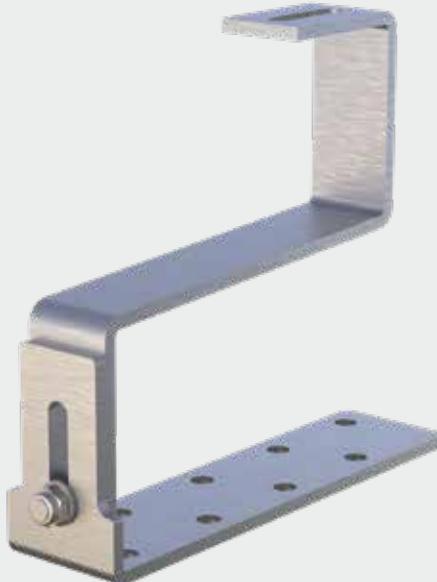


#### TECHNISCHE EIGENSCHAFTEN

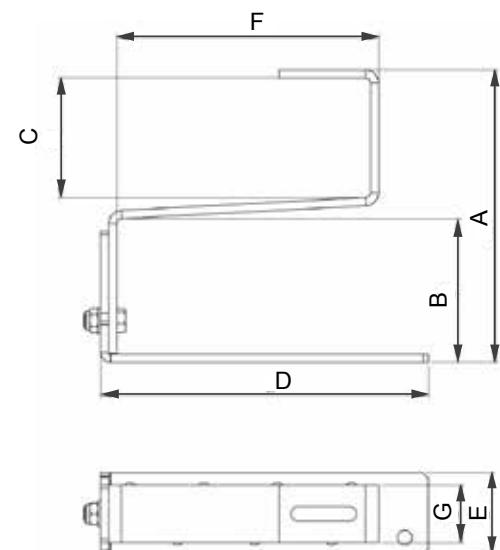
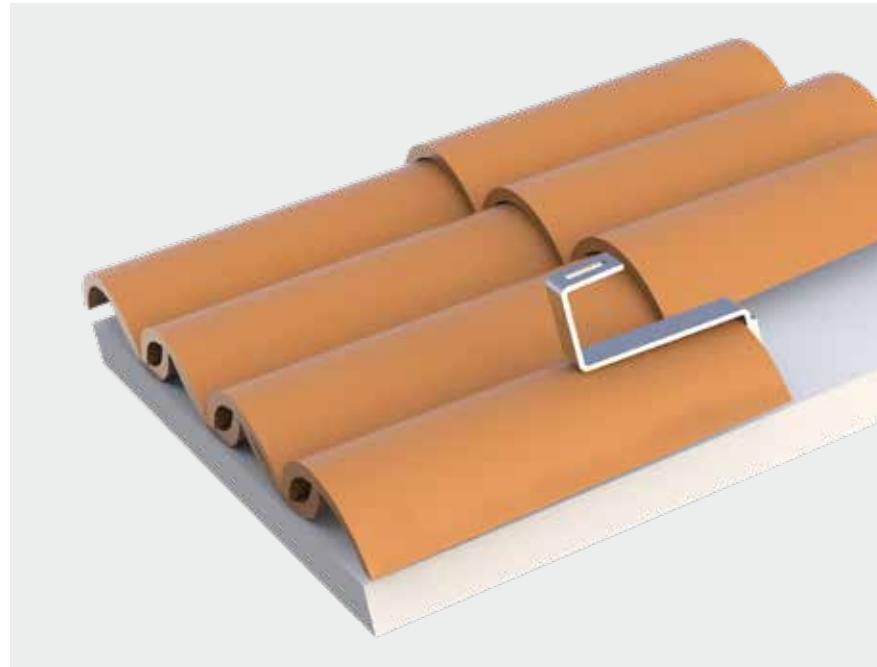
- MATERIAL: EDELSTAHL AISI 304
- STÄRKE: 5MM
- NR. 8 LÖCHER Ø11 ZUR  
DACHBEFESTIGUNG



BENT TILES



#### SINGLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
180÷210	83	73	200	50	190	30

Datasheet

CODE	DESCRIPTION
FVD300001	ADJUSTABLE BENT TILE ROOF HOOK
FVD300001BOX	ADJUSTABLE BENT TILE ROOF HOOK - BOX 10pcs



**100/20-65 SUPPORT FOR  
FIXING ON ROOFS WITH  
BENT TILES**



#### TECHNICAL SPECIFICATIONS

- MATERIAL: GALVANISED STEEL
- TENSILE STRENGTH: 440 N/MM<sup>2</sup>
- TREATMENT: HOT DIP GALVANISING
- HOOK DIMENSIONS 30 MM X TH. 5 MM
- NO. 9 Ø9 HOLES PREPARED FOR PLATE FIXING

**100/20-65 SUPPORT  
POUR FIXATION  
SUR TOITS EN TUILES**



#### CARACTÉRISTIQUES TECHNIQUES

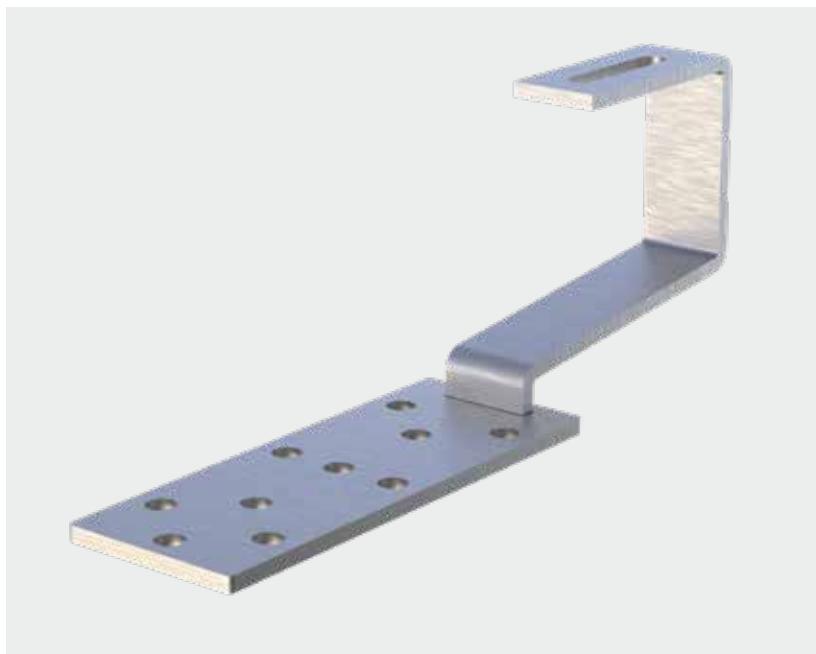
- MATÉRIAU : ACIER GALVANISÉ
- RÉSISTANCE À LA TRACTION : 440 N/MM<sup>2</sup>
- TRAITEMENT : GALVANISATION À CHAUD
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- NR. 9 TROUS Ø9 PRÉVUS POUR LA FIXATION DE LA PLAQUE

**100/20-65 STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN MIT  
GEOBOGENEN ZIEGELN**

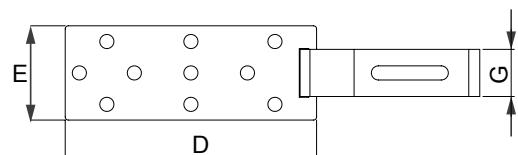
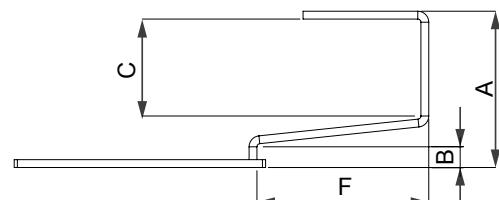


#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: GALVANISIERTER STAHL
- ZUGFESTIGKEIT: 440 N/MM<sup>2</sup>
- BEHANDLUNG: FEUERVERZINKEN
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR. 9 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



BENT TILES



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
100	20	65	160	60	110	30

[Datasheet](#)

CODE	DESCRIPTION
11110712Z	HSCL HSTT 100/20-65 SUPPORT
11110712ZBOX	HSCL 100/20-65 SUPPORT - BOX 10pcs.



185/105-65 SUPPORT FOR  
FIXING ON ROOFS WITH  
BENT TILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: GALVANISED STEEL
- TENSILE STRENGTH: 440 N/MM<sup>2</sup>
- TREATMENT: HOT DIP GALVANISING
- HOOK DIMENSIONS 30 MM X TH. 5MM
- NO.10 Ø9 HOLES PREPARED FOR PLATE FIXING

185/105-65 SUPPORT  
POUR FIXATION SUR TOITS  
EN TUILES



#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER GALVANISÉ
- RÉSISTANCE À LA TRACTION : 440 N/MM<sup>2</sup>
- TRAITEMENT : GALVANISATION À CHAUD
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 10 TROUS Ø 9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

185/105-65 STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN MIT  
GEOBOGENEN ZIEGELN

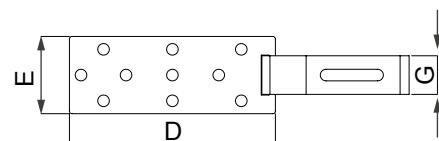
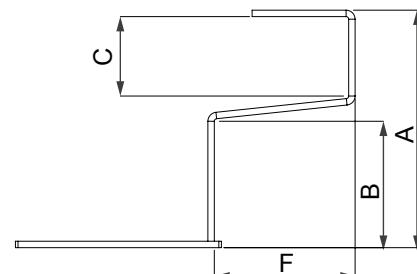
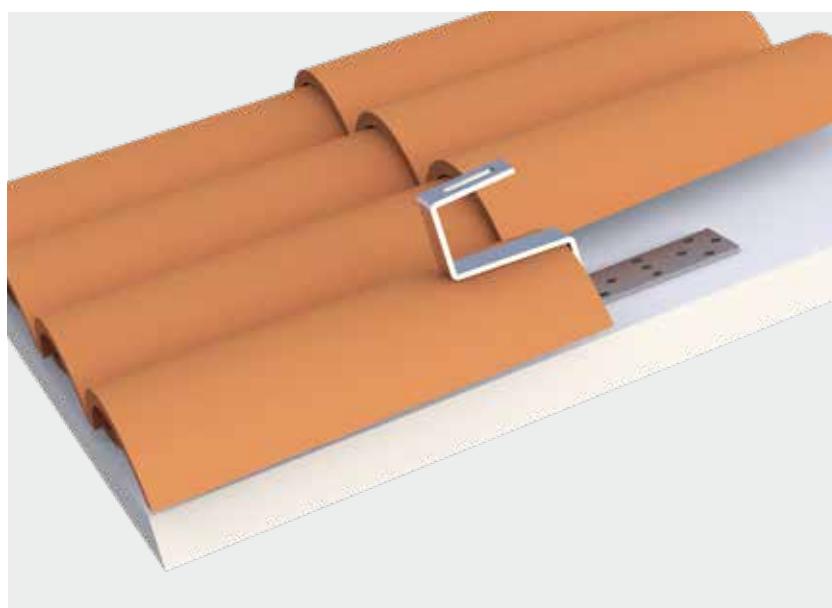


#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: GALVANISIERTER STAHL
- ZUGFESTIGKEIT: 440 N/MM<sup>2</sup>
- BEHANDLUNG: FEUERVERZINKEN
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.10 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



BENT TILES



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
185	105	65	60	160	110	30

Datasheet

CODE	DESCRIPTION
11110713Z	HSCL HSTT 185/105-65 SUPPORT
11110713ZBOX	HSCL 185/105-65 SUPPORT - BOX 10pcs.



# HSTCFX

MADE IN ITALY

FIXED SUPPORT FOR  
FIXING ON ROOFS WITH  
BENT TILES



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- HOOK DIMENSIONS 30 X TH.5 MM
- NO.2 Ø9 HOLES PREPARED FOR PLATE FIXING

SUPPORT FIXE POUR  
LA FIXATION SUR TOITS  
EN TUILES



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>
- TAILLE CROCHET 30 X ÉP.5 MM
- 2 TROUS Ø9 PRÉVUS POUR LA FIXATION DE LA PLAQUE

FESTE STÜTZE ZUR  
BEFESTIGUNG  
AUF DÄCHERN MIT  
GEOBOGENEN ZIEGELN

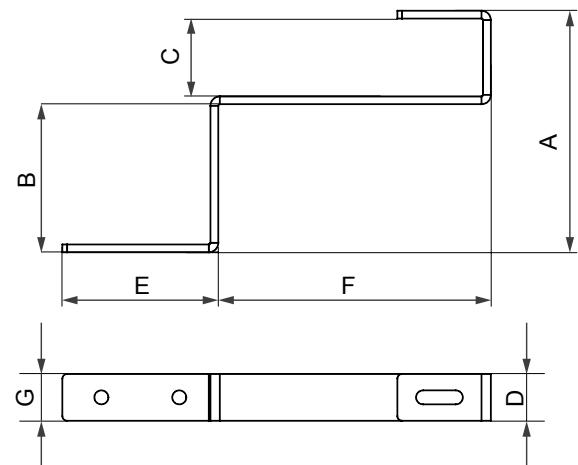
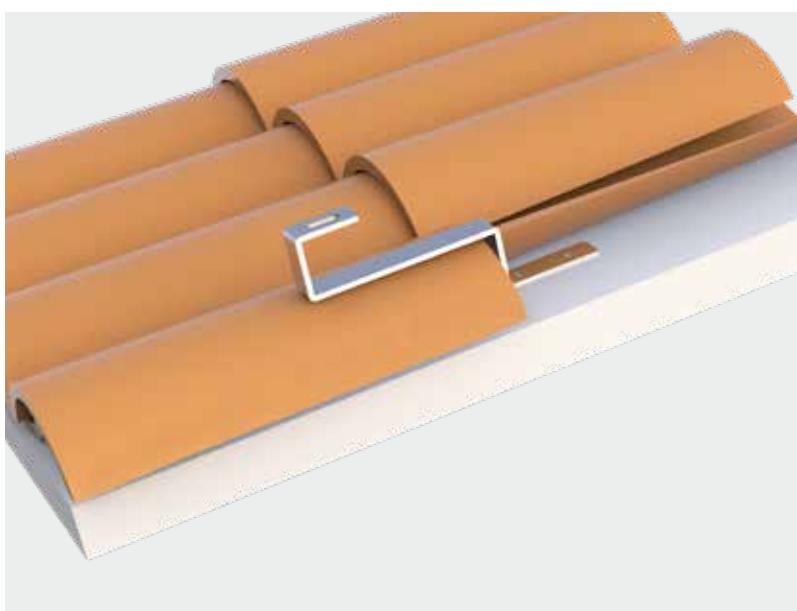


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- HAKEN ABMESSUNGEN 30 X TH.5 MM
- NR.2 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



BENT TILES



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
155	100	60	30	100	180	30

Datasheet

CODE	DESCRIPTION
FVD300003	HSTCFX FIXED SUPPORT FOR FIXING ON ROOFS WITH BENT TILES
FVD300003BOX	HSTCFX FIXED SUPPORT FOR FIXING ON ROOFS WITH BENT TILES - BOX 10pcs.



# HS2DRAD

MADE IN ITALY

DOUBLE SUPPORT  
ADJUSTMENT FOR ROOFS  
WITH BENT TILES



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- NO.3 Ø11 HOLES PREPARED FOR ROOF FIXING
- HOOK DIMENSIONS 40 MM X TH. 3MM

DOUBLE SUPPORT  
RÉGLAGE POUR TOITS EN  
TUILES



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>
- 3 TROUS Ø 11 PRÉPARÉS POUR LA FIXATION AU TOIT
- TAILLE CROCHET 40 MM X ÉP. 3 MM

DOPPELTE STÜTZE  
ANPASSUNG  
FÜR DÄCHER MIT  
GEOBOGENEN ZIEGELN



## TECHNISCHE EIGENSCHAFTEN

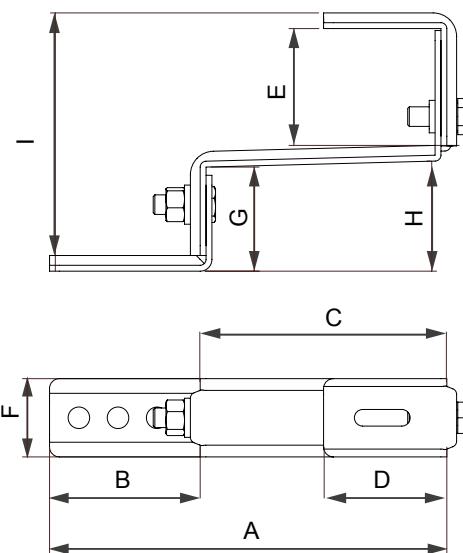
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- NR. 3 Ø11 LÖCHER FÜR DIE DACHBEFESTIGUNG VORBEREITET
- HAKENABMESSUNGEN 40 MM X ST. 3MM



BENT TILES



## DOUBLE ADJUSTMENT



VERSION	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]
SHORT	211	80	120	60	64-89	40	53-64	56-67	136-172
LONG	211	80	120	60	60-75	40	67-78	70-81	146-172

Datasheet

CODE	DESCRIPTION
11111106	HS2DRAD DOUBLE-ADJUSTMENT SUPPORT
11111106BOX	HS2DRAD DOUBLE-ADJUSTMENT SUPPORT - BOX 10pcs.



DOUBLE SUPPORT  
ADJUSTMENT FOR ROOFS  
WITH BENT TILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- NO.3 Ø11 HOLES PREPARED FOR ROOF FIXING
- HOOK DIMENSIONS 40 MM X TH. 3MM

DOUBLE SUPPORT  
RÉGLAGE POUR TOITS  
EN TUILES

#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>
- 3 TROUS Ø 11 PRÉPARÉS POUR LA FIXATION AU TOIT
- TAILLE CROCHET 40 MM X ÉP. 3 MM

DOPPELTE STÜTZE  
ANPASSUNG  
FÜR DÄCHER MIT  
GEBOGENEN ZIEGELN



#### TECHNISCHE EIGENSCHAFTEN

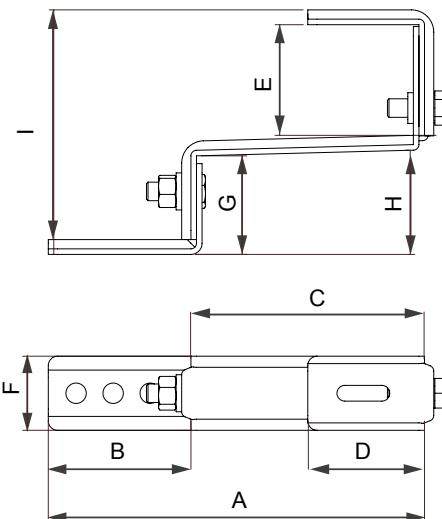
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT:
- 515 N/MM<sup>2</sup>
- NR. 3 Ø11 LÖCHER FÜR DIE DACHBEFESTIGUNG VORBEREITET
- HAKENABMESSUNGEN 40 MM X ST. 3MM



BENT TILES



#### DOUBLE ADJUSTMENT



VERSION	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]
SHORT	208	70	120	60	97-122	40	58-69	61-72	174-210
LONG	208	70	120	60	65-80	40	100-111	103-114	184-210

NB.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS OR 11110883 (PAG. 87) O 11110893 (PAG. 88)

Datasheet

CODE	DESCRIPTION
11111108	HS2DRBD DOUBLE-ADJUSTMENT SUPPORT
11111108BOX	HS2DRBD DOUBLE-ADJUSTMENT SUPPORT - BOX 10pcs.



# FST225-180R

MADE IN ITALY

ADJUSTABLE SUPPORT  
FOR FIXING ON ROOFS  
WITH BENT AND PANTILES



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- HOOK DIMENSIONS 30 MM X TH. 5MM
- NR.3 Ø9 HOLES PREPARED FOR PLATE FIXING

SUPPORT RÉGLABLE  
POUR FIXATION SUR LES  
TOITS À TUILES

## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>
- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 3 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

EINSTELLBARE STÜTZE  
ZUR BEFESTIGUNG AUF  
DÄCHERN MIT BOGEN- UND  
PFANNENZIEGELN



## TECHNISCHE EIGENSCHAFTEN

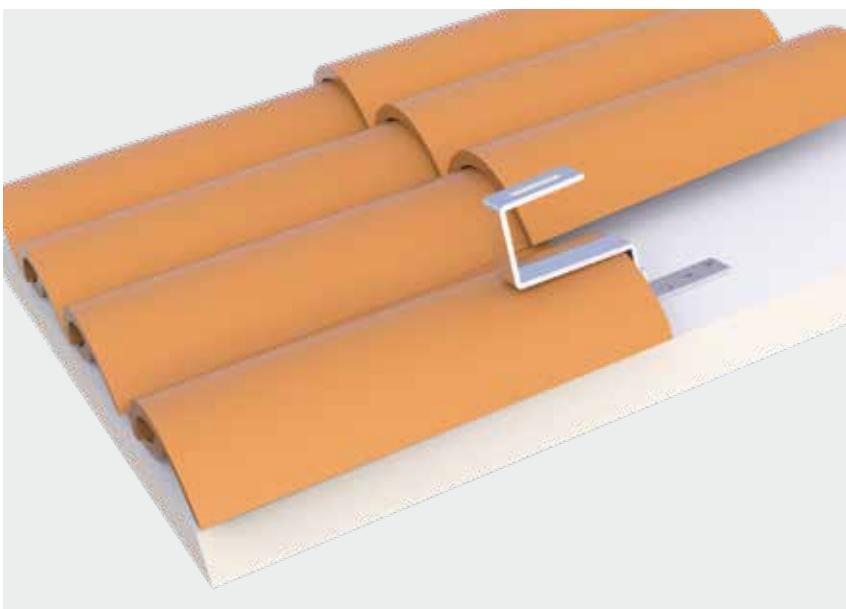
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.3 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG



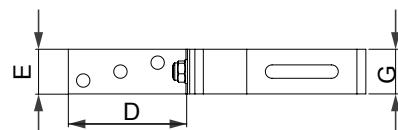
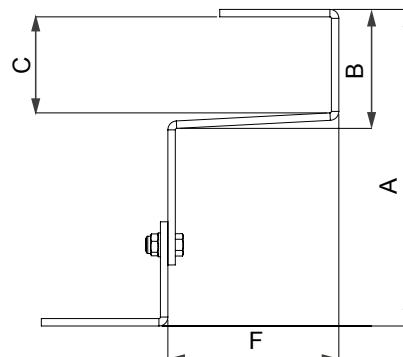
BENT TILES



PANTILES



## DOUBLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
173÷213	80	64	85	30	115	30

Datasheet

CODE	DESCRIPTION
11110764	FST225-180R SUPPORT
11110764BOX	FST225-180R SUPPORT BOX 10pcs.



DOUBLE-ADJUSTMENT SUPPORT FOR FIXING ON ROOFS WITH BENT AND PANTILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>

SUPPORT À DOUBLE RÉGLAGE POUR FIXATION SUR LES TOITS À TUILES



#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>

DOPPELTE EINSTELLUNG ZUR BEFESTIGUNG AUF DÄCHERN MIT BOGEN- UND PFANNENZIEGELN



#### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>



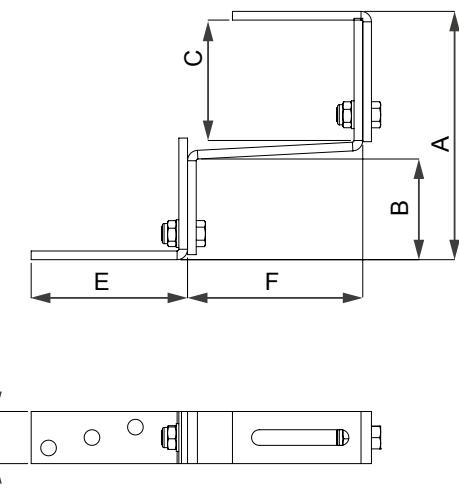
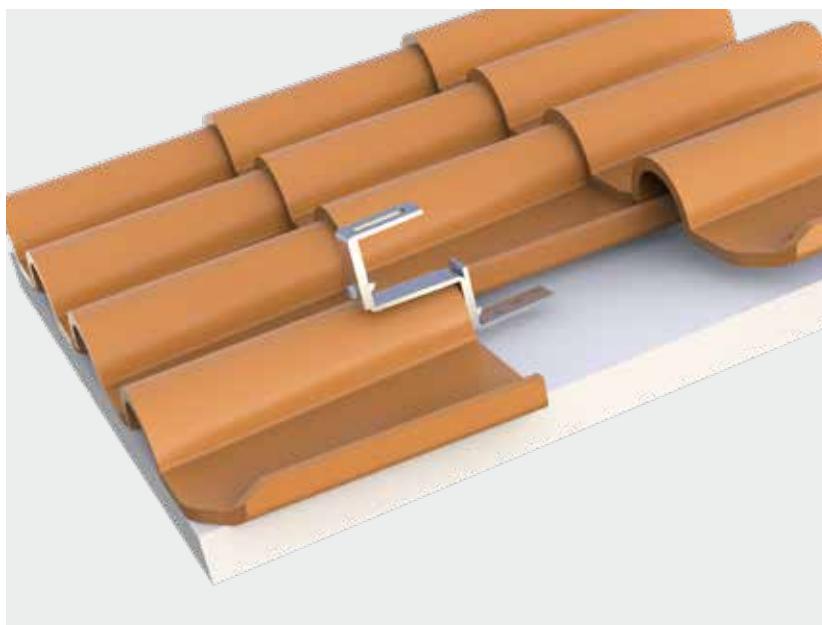
BENT TILES



PANTILES



#### DOUBLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
220÷145	95÷55	115÷75	30	90	100

Datasheet

CODE	DESCRIPTION
11110765	FSDR SUPPORT
11110765BOX	FSDR SUPPORT BOX 10pcs.



TRIPLE-ADJUSTMENT  
SUPPORT FOR FIXING ON  
ROOFS WITH BENT AND  
PANTILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS 5 MM
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>

SUPPORT À TRIPLE  
RÉGLAGE  
POUR FIXATION SUR LES  
TOITS À TUILES

#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR 5 MM
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>

DREIFACH EINSTELLBARE  
STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN MIT BOGEN-  
UND PFANNENZIEGELN



#### TECHNISCHE EIGENSCHAFTEN

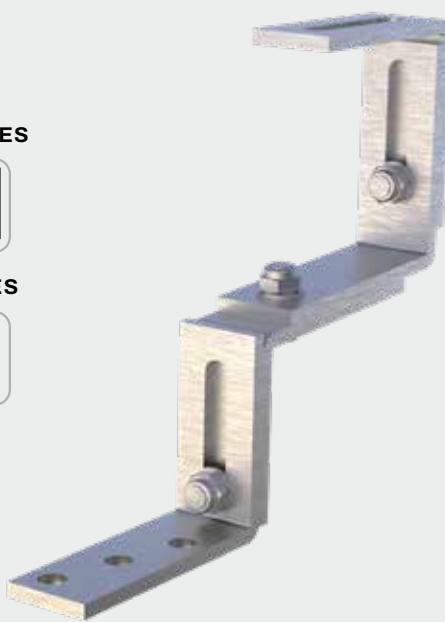
- MATERIAL: EDELSTAHL AISI 304
- STÄRKE 5 MM
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>



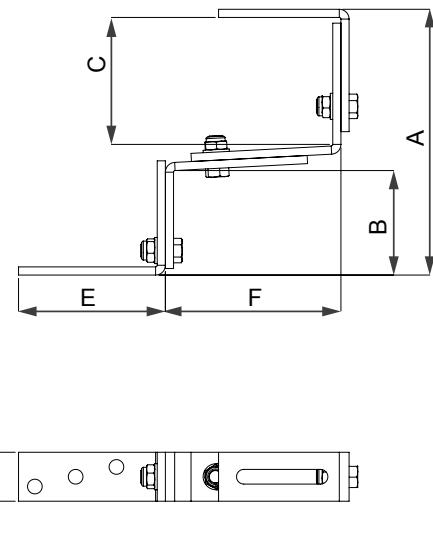
BENT TILES



PANTILES



#### TRIPLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
225÷170	100÷65	135÷95	30	90	100	30

Datasheet

CODE	DESCRIPTION
11110766	FSTR SUPPORT
11110766BOX	FSTR SUPPORT - BOX 10pcs.



# GTPFR-1

MADE IN ITALY

HOOK PANTILE  
FLAT ADJUSTABLE



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5MM
- NO.3 Ø11 HOLES FOR ROOF FIXING

CROCHET TUILE  
PLATE RÉGLABLE



## CARACTÉRISTIQUES TECHNIQUES

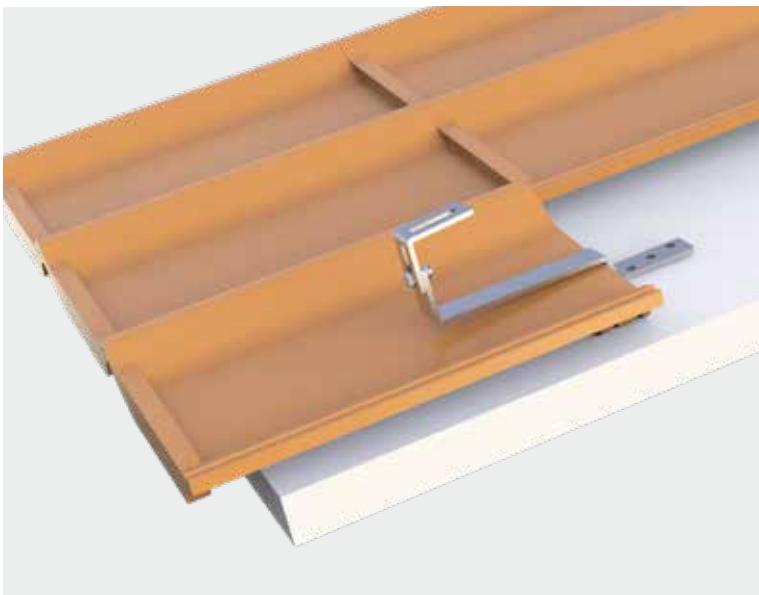
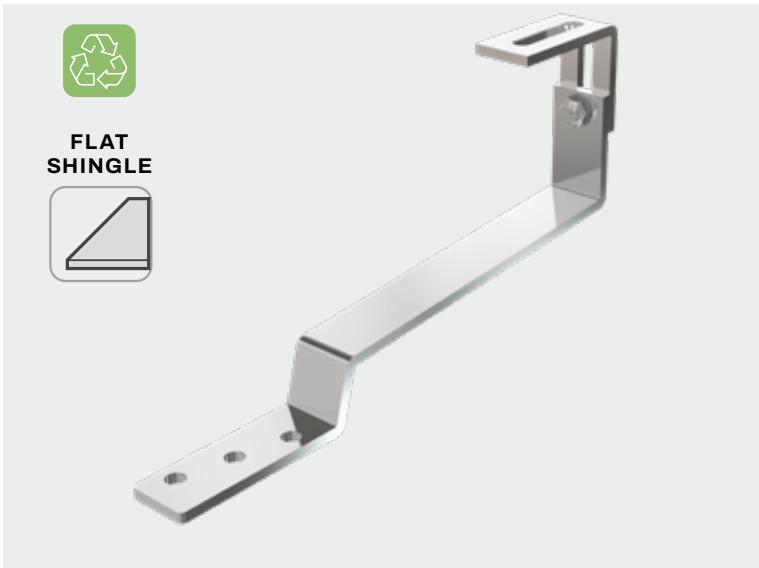
- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- 3 TROUS Ø11 PRÉPARÉS POUR LA FIXATION AU TOIT

PFANNENZIEGEL HAKEN  
FLACH VERSTELLBAR

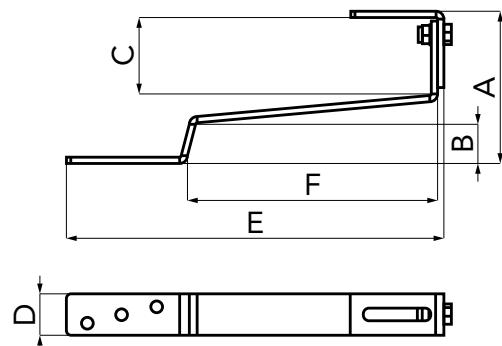


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- STÄRKE: 5MM
- NR. 3 Ø11 LÖCHER ZUR DACHBEFESTIGUNG



## SINGLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
110÷138	30	55÷85	30	280	195

[Datasheet](#)

CODE	DESCRIPTION
FVD300007	GTPFR-1 ADJUSTABLE FLAT TILE HOOK
FVD300007BOX	GTPFR-1 ADJUSTABLE FLAT TILE HOOK - BOX 10pcs



SUPPORT TH. 3 MM  
RAISED ADJUSTABLE  
FOR FIXING ON ROOFS  
WITH BENT TILES



#### TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- NO.3 Ø11 HOLES PREPARED FOR ROOF FIXING
- HOOK DIMENSIONS 40 MM X TH. 3MM

SUPPORT ÉP. 3 MM  
SURÉLEVÉ RÉGLABLE  
POUR FIXATION SUR  
TOITS EN TUILES



#### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- 3 TROUS Ø 11 POUR LE MONTAGE SUR LE TOIT
- TAILLE CROCHET 40 MM X ÉP. 3 MM

HALTERUNG ST. 3 MM  
HÖHENVERSTELLBAR  
ZUR BEFESTIGUNG AUF  
DÄCHERN MIT  
GEOGENEN ZIEGELN

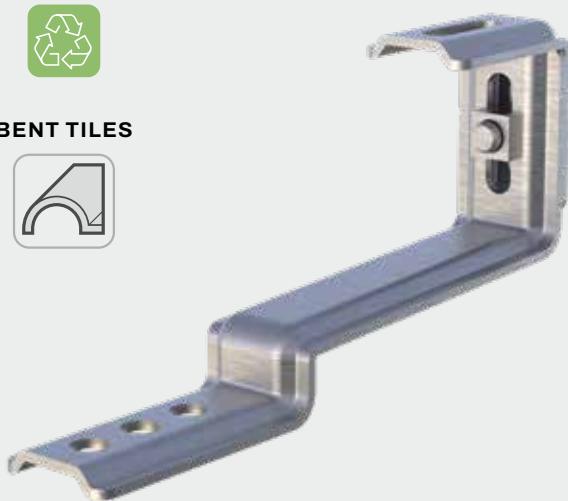


#### TECHNISCHE EIGENSCHAFTEN

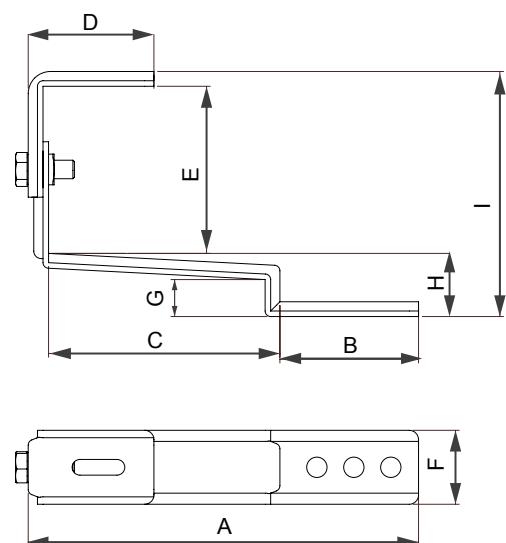
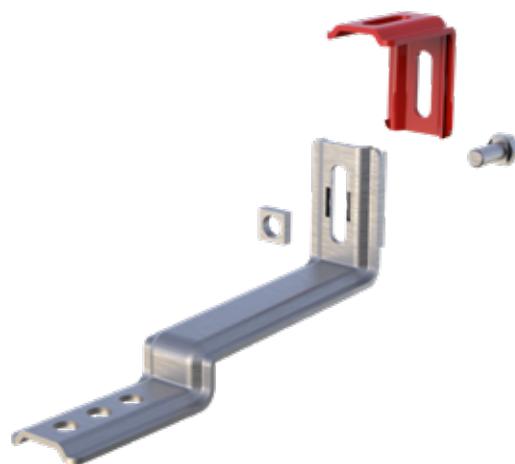
- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- NR. 3 Ø11 LÖCHER FÜR DIE DACHBEFESTIGUNG VORBEREITET
- HAKENABMESSUNGEN 40 MM X ST. 3MM



BENT TILES



#### SINGLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]
211	80	120	60	55-85	40	20	26	98-128

Datasheet

CODE	DESCRIPTION
11111105	HSRT ADJUSTABLE RAISED SUPPORT
11111105BOX	HSRT ADJUSTABLE RAISED SUPPORT - BOX 10pcs.



**SUPPORT FOR FIXED  
FLAT TILE**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5MM
- WEIGHT: 491 G
- NO.3 Ø11 HOLES FOR ROOF FIXING

**SUPPORT POUR TUILES  
PLATES FIXES**



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- POIDS : 491 G
- 3 TROUS Ø11 PRÉPARÉS POUR LA FIXATION AU TOIT

**STÜTZE FÜR FESTE  
FLACHZIEGEL**

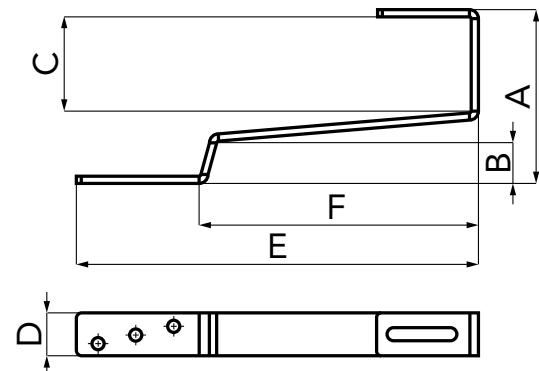


**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- STÄRKE: 5MM
- GEWICHT: 491 G
- NR. 3 Ø11 LÖCHER ZUR DACHBEFESTIGUNG



**FLAT  
SHINGLE**



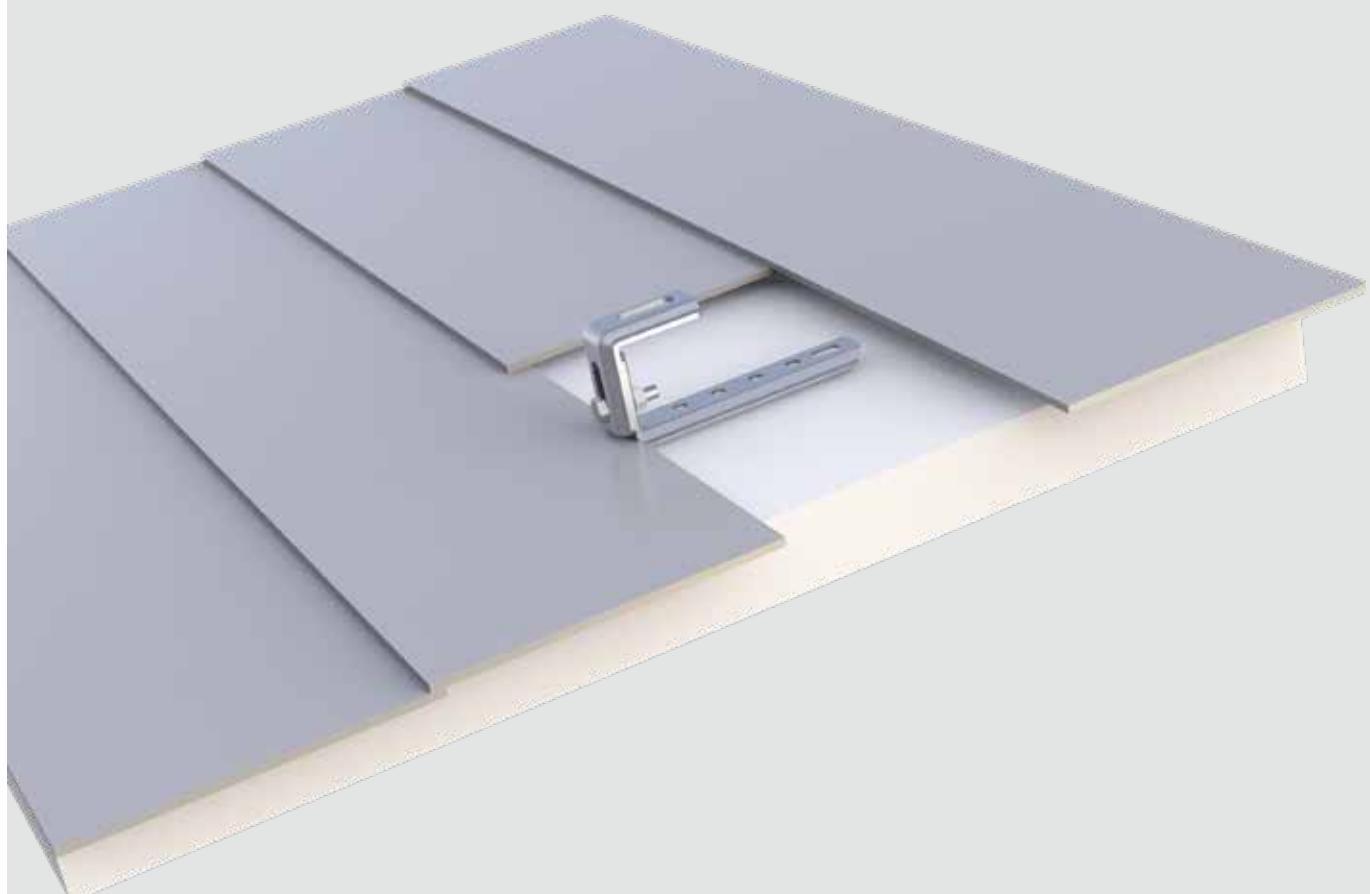
A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
120	29	65,5	30	277	193

**Datasheet**

CODE	DESCRIPTION
FVD300006	GTPF-2 FIXED FLAT TILE HOOK
FVD300006BOX	GTPF-2 FIXED FLAT TILE HOOK BOX 10pcs



# FIXED / ADJUSTABLE SUPPORTS FOR ROOFS IN SLATE - FLAGSTONE - SHINGLES



FV POWER



BENT  
TILES



FLAT  
SHINGLE



FLAGSTONE  
SHINGLE

FLAT SUPPORT TH. 3 MM  
FLAT ADJUSTABLE  
FOR FIXING ON ROOFS



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- NO.3 Ø11 HOLES PREPARED FOR ROOF FIXING
- HOOK DIMENSIONS 40 MM X TH. 3MM

SUPPORT PLAT ÉP. 3 MM  
PLATE RÉGLABLE  
POUR FIXATION SUR TOITS



## CARACTÉRISTIQUES TECHNIQUES

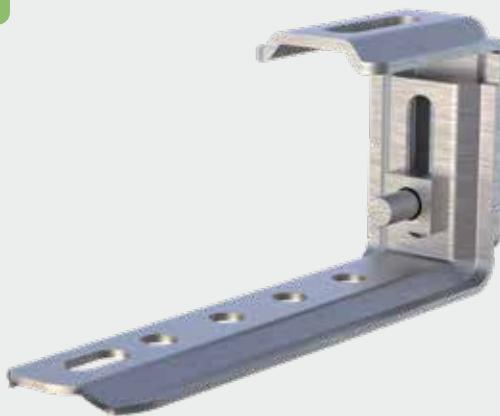
- MATÉRIAU : ACIER INOX AISI 304
- MODULE D'ÉLASTICITÉ EN FLEXION: 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION: 515 N/MM<sup>2</sup>
- 3 TROUS Ø 11 POUR LE MONTAGE SUR LE TOIT
- TAILLE CROCHET 40 MM X ÉP. 3 MM

HSRPT FLACHE STÜTZE ST.  
3 MM FLACH VERSTELLBAR  
ZUR BEFESTIGUNG AUF  
DÄCHERN

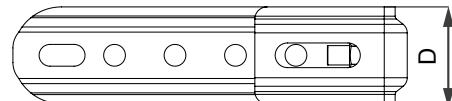
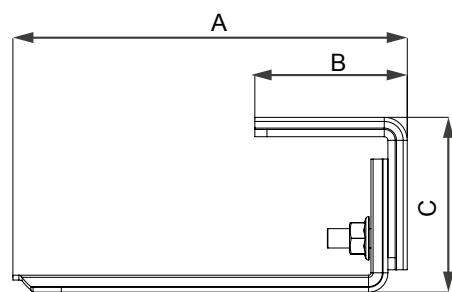
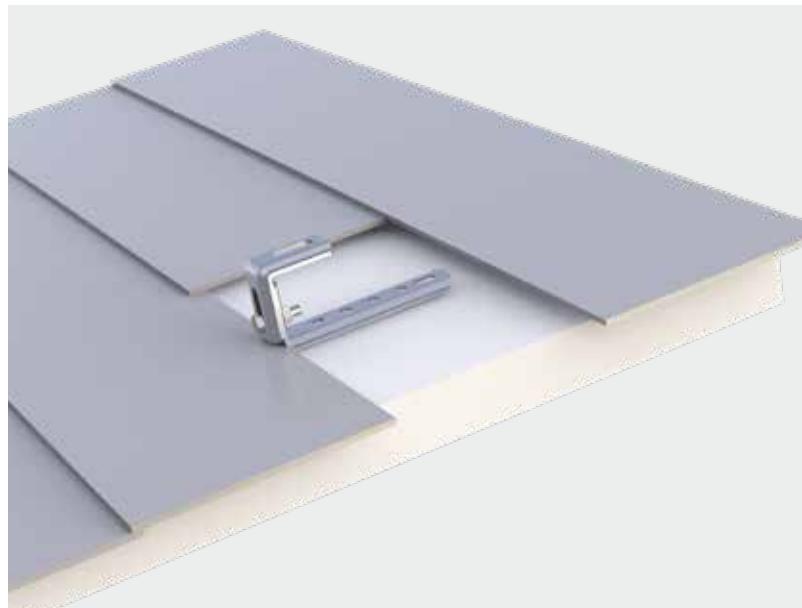


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- NR. 3 Ø11 LÖCHER FÜR DIE DACHBEFESTIGUNG VORBEREITET
- HAKENABMESSUNGEN 40 MM X ST. 3MM



## SINGLE ADJUSTMENT



A [mm]	B [mm]	C [mm]	D [mm]
150	60	71-101	40

NB.: TO FIX "FVP" PROFILES ON THE ROOF SUPPORTS, USE FASTENERS OR 11110883 (PAG. 94) OR 11110893 (PAG. 95)

[Datasheet](#)

CODE	DESCRIPTION
11111107	HSRPT ADJUSTABLE SUPPORT
11111107BOX	HSRPT ADJUSTABLE SUPPORT - BOX 10pcs.



## SUPPORT FOR FIXING ON ROOFS



### TECHNICAL SPECIFICATIONS

- HOOK DIMENSIONS 30 MM X TH. 5MM
- NR.3 Ø9 HOLES PREPARED FOR PLATE FIXING

**MATERIAL: AISI 304 STAINLESS STEEL**

- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>

**MATERIAL: GALVANISED STEEL**

- TENSILE STRENGTH: 440 N/MM<sup>2</sup>

- TREATMENT: HOT DIP GALVANISING

## SUPPORT POUR FIXATION SUR LES TOITS



### CARACTÉRISTIQUES TECHNIQUES

- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 3 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

**MATÉRIAU : ACIER INOX AISI 304**

- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>

- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>

**MATÉRIAU : ACIER GALVANISÉ**

- RÉSISTANCE À LA TRACTION : 440 N/MM<sup>2</sup>

- TRAITEMENT : GALVANISATION À CHAUD

## STÜTZE ZUR BEFESTIGUNG AUF DÄCHERN



### TECHNISCHE EIGENSCHAFTEN

- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.3 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG

**MATERIAL: EDELSTAHL AISI 304**

- BIEGEELASTIZITÄT MODUL: 196000 N/MM<sup>2</sup>

**MATERIAL: GALVANISIERTER STAHL**

- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>

- BEHANDLUNG: FEUERVERZINKEN



BENT  
TILES



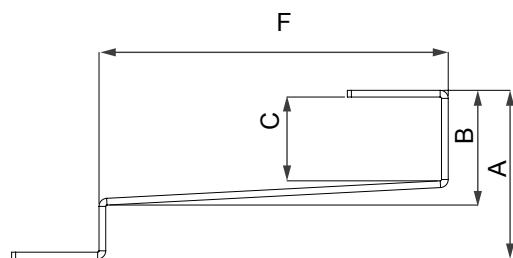
FLAT  
SHINGLE



FLAGSTONE  
SHINGLE



FV POWER



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
120	40	62	30	325	255

STAINLESS STEEL CODE	DESCRIPTION
11110709	HSTL SUPPORT 120/40-62
11110709BOX	HSTL 120/40-62 SUPPORT - BOX 10pcs.

Datasheet

GALVANIZED CODE	DESCRIPTION
11110709Z	HSTL SUPPORT 120/40-62
11110709ZBOX	HSTL 120/40-62 SUPPORT - BOX 10pcs.



# HSTL-2

MADE IN ITALY

SUPPORT FOR FIXING  
ON ROOFS



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5MM
- WEIGHT: 465 G
- NO.3 Ø11 HOLES FOR ROOF FIXING

SUPPORT POUR FIXATION  
SUR LES TOITS



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- POIDS : 465 G
- 3 TROUS Ø11 PRÉPARÉS POUR LA FIXATION AU TOIT

STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- STÄRKE: 5MM
- GEWICHT: 465 G
- NR. 3 Ø11 LÖCHER ZUR DACHBEFESTIGUNG

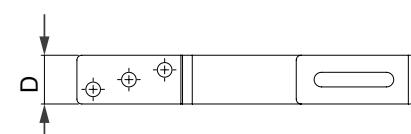
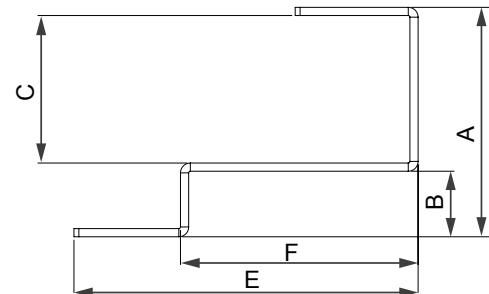
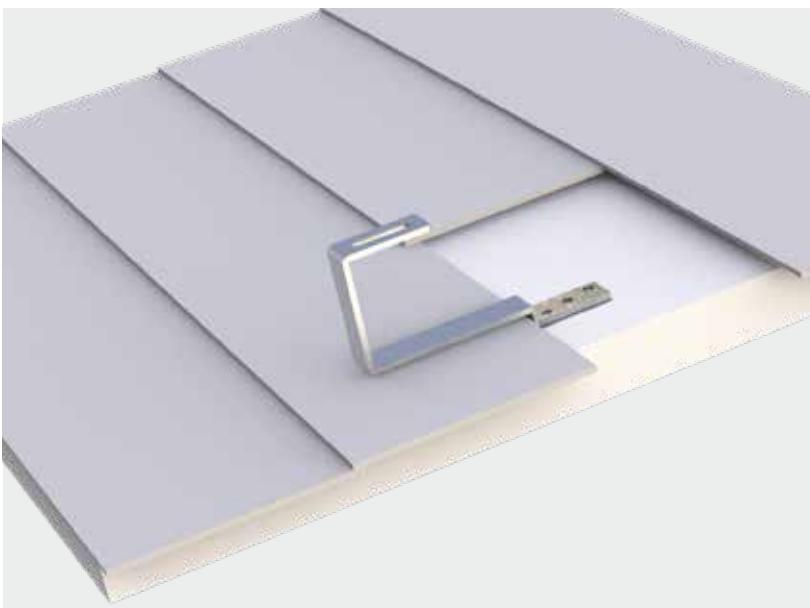
BENT  
TILES



FLAT  
SHINGLE



FLAGSTONE  
SHINGLE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
140	40	90	30	210	140

Datasheet

CODE	DESCRIPTION
FVD300004	HSTL-2 SUPPORT
FVD300004BOX	HSTL-2 SUPPORT - BOX 10pcs



# HSTL-3

MADE IN ITALY

SUPPORT FOR FIXING  
ON ROOFS



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5MM
- NO.3 Ø11 HOLES FOR ROOF FIXING

SUPPORT POUR FIXATION  
SUR LES TOITS



## CARACTÉRISTIQUES TECHNIQUES

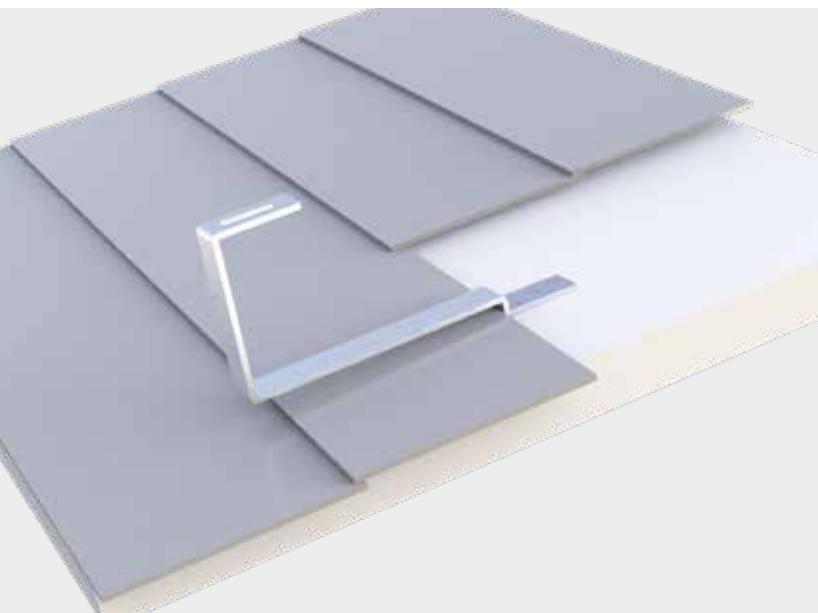
- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- 3 TROUS Ø11 PRÉPARÉS POUR LA FIXATION AU TOIT

STÜTZE ZUR  
BEFESTIGUNG AUF  
DÄCHERN



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- STÄRKE: 5MM
- NR.3 Ø11 LÖCHER ZUR DACHBEFESTIGUNG



BENT  
TILES

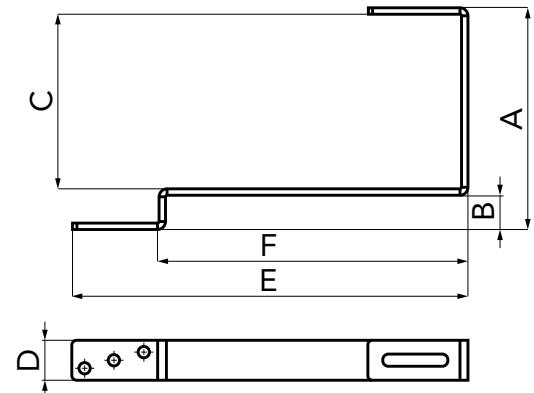


FLAT  
SHINGLE



FLAGSTONE  
SHINGLE

FV POWER



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
165	25	130	30	295	230

Datasheet

STAINLESS STEEL CODE	DESCRIPTION
FVD300005	HSTL-3 SUPPORT
FVD300005BOX	HSTL-3 SUPPORT - BOX 10pcs



## SUPPORT FOR FIXING ON ROOFS



### TECHNICAL SPECIFICATIONS

#### MATERIAL: AISI 304 STAINLESS STEEL

- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>
- TENSILE STRENGTH: 515 N/MM<sup>2</sup>

#### MATERIAL: GALVANISED STEEL

- TENSILE STRENGTH: 440 N/MM<sup>2</sup>
- TREATMENT: HOT DIP GALVANISING

## SUPPORT POUR FIXATION SUR LES TOITS



### CARACTÉRISTIQUES TECHNIQUES

#### MATÉRIAU : ACIER INOX AISI 304

- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>

#### MATÉRIAU : ACIER GALVANISÉ

- RÉSISTANCE À LA TRACTION : 440 N/MM<sup>2</sup>
- TRAITEMENT : GALVANISATION À CHAUD

## STÜTZE ZUR BEFESTIGUNG AUF DÄCHERN



### TECHNISCHE EIGENSCHAFTEN

#### MATERIAL: EDELSTAHL AISI 304

- BIEGEELASTIZITÄT MODUL: 196000 N/MM<sup>2</sup>
- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>

#### MATERIAL: GALVANISIERTER STAHL

- ZUGFESTIGKEIT: 440 N/MM<sup>2</sup>
- BEHANDLUNG: FEUERVERZINKEN



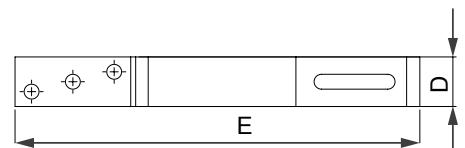
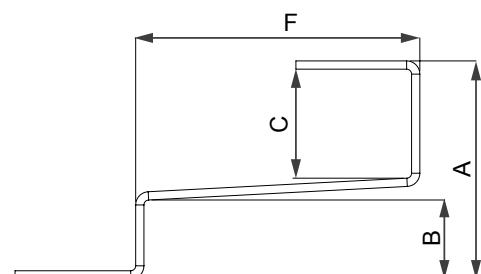
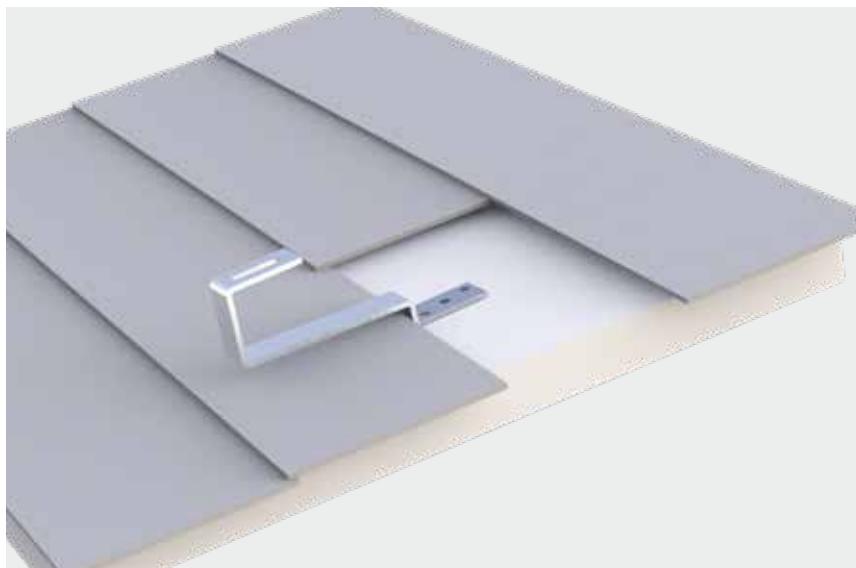
BENT  
TILES



FLAT  
SHINGLE



FLAGSTONE  
SHINGLE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
132	47	66	30	245	165

STAINLESS STEEL CODE	DESCRIPTION
11110710	HSTL SUPPORT 127/47-66
11110710BOX	HSTL 127/47-66 SUPPORT - BOX 10pcs.

Datasheet

GALVANIZED CODE	DESCRIPTION
11110710Z	HSTL SUPPORT 127/47-66
11110710ZBOX	HSTL 127/47-66 SUPPORT - BOX 10pcs.



# HSTL 60

MADE IN ITALY

SUPPORT FOR FIXING  
ON ROOFS



## TECHNICAL SPECIFICATIONS

- HOOK DIMENSIONS 30 MM X TH. 5MM
- NR.3 Ø9 HOLES PREPARED FOR PLATE FIXING

**MATERIAL: AISI 304 STAINLESS STEEL**

- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>

**MATERIAL: GALVANISED STEEL**

- TENSILE STRENGTH: 440 N/MM<sup>2</sup>

- TREATMENT: HOT DIP GALVANISING

SUPPORT POUR FIXATION  
SUR LES TOITS



## CARACTÉRISTIQUES TECHNIQUES

- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 3 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

**MATÉRIAU : ACIER INOX AISI 304**

- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>

- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>

**MATÉRIAU : ACIER GALVANISÉ**

- RÉSISTANCE À LA TRACTION : 440 N/MM<sup>2</sup>

- TRAITEMENT : GALVANISATION À CHAUD

STÜTZE ZUR  
BEFESTIGUNG AUF DÄCHERN



## TECHNISCHE EIGENSCHAFTEN

- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.3 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG

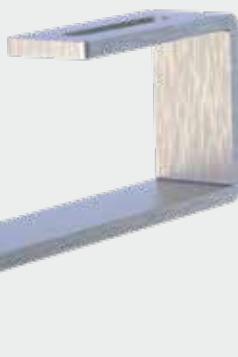
**MATERIAL: EDELSTAHL AISI 304**

- BIEGEELASTIZITÄT MODUL: 196000 N/MM<sup>2</sup>

**MATERIAL: GALVANISIERTER STAHL**

- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>

- BEHANDLUNG: FEUERVERZINKEN



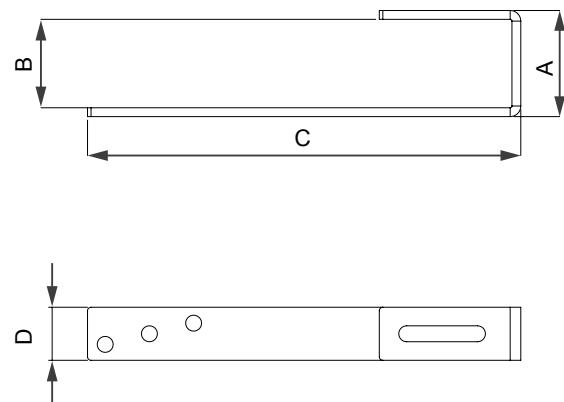
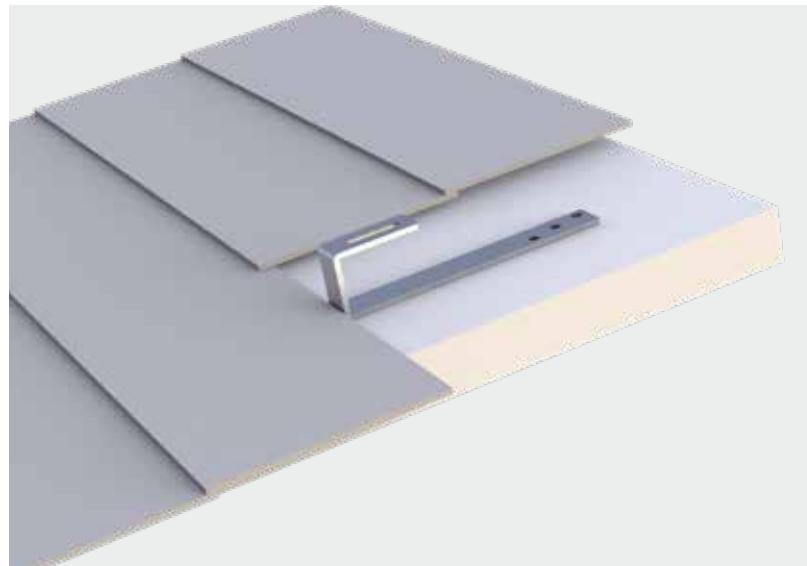
BENT  
TILES



FLAT  
SHINGLE



FLAGSTONE  
SHINGLE



A [mm]	B [mm]	C [mm]	D [mm]
60	50	245	30

STAINLESS STEEL CODE	DESCRIPTION
11110707	HSTL 60 SUPPORT
11110707BOX	HSTL 60 SUPPORT - BOX 10pcs.

Datasheet

GALVANIZED CODE	DESCRIPTION
11110707Z	HSTL 60 SUPPORT
11110707ZBOX	HSTL 60 SUPPORT - BOX 10pcs.



## SUPPORT FOR FIXING ON ROOFS



### TECHNICAL SPECIFICATIONS

- HOOK DIMENSIONS 30 MM X TH. 5MM
- NR.3 Ø9 HOLES PREPARED FOR PLATE FIXING

#### MATERIAL: AISI 304 STAINLESS STEEL

- FLEXURAL MODULUS OF ELASTICITY: 196000 N/MM<sup>2</sup>

#### MATERIAL: GALVANISED STEEL

- TENSILE STRENGTH: 515 N/MM<sup>2</sup>
- TENSILE STRENGTH: 440 N/MM<sup>2</sup>
- TREATMENT: HOT DIP GALVANISING

## SUPPORT POUR FIXATION SUR LES TOITS



### CARACTÉRISTIQUES TECHNIQUES

- TAILLE CROCHET 30 MM X ÉP. 5 MM
- 3 TROUS Ø9 PRÉPARÉ POUR LA FIXATION DE LA PLAQUE

#### MATÉRIAU : ACIER INOX AISI 304

- MODULE D'ÉLASTICITÉ EN FLEXION : 196000 N/MM<sup>2</sup>
- CHARGE DE RUPTURE EN TRACTION : 515 N/MM<sup>2</sup>

#### MATÉRIAU : ACIER GALVANISÉ

- RÉSISTANCE À LA TRACTION : 440 N/MM<sup>2</sup>
- TRAITEMENT : GALVANISATION À CHAUD

## STÜTZE ZUR BEFESTIGUNG AUF DÄCHERN



### TECHNISCHE EIGENSCHAFTEN

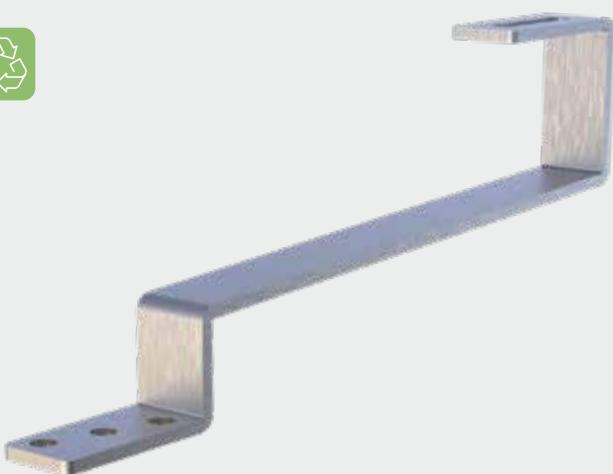
- HAKENABMESSUNGEN 30 MM X ST. 5MM
- NR.3 LÖCHER Ø9 VORBEREITET FÜR DIE PLATTENBEFESTIGUNG

#### MATERIAL: EDELSTAHL AISI 304

- BIEGEELASTIZITÄT MODUL: 196000 N/ MM<sup>2</sup>

#### MATERIAL: GALVANISIERTER STAHL

- ZUGFESTIGKEIT: 515 N/MM<sup>2</sup>
- BEHANDLUNG: FEUERVERZINKEN



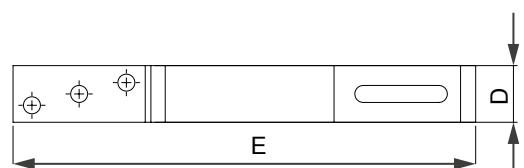
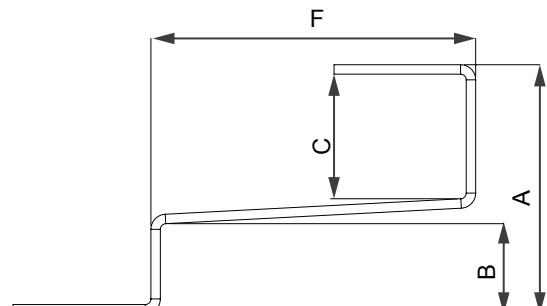
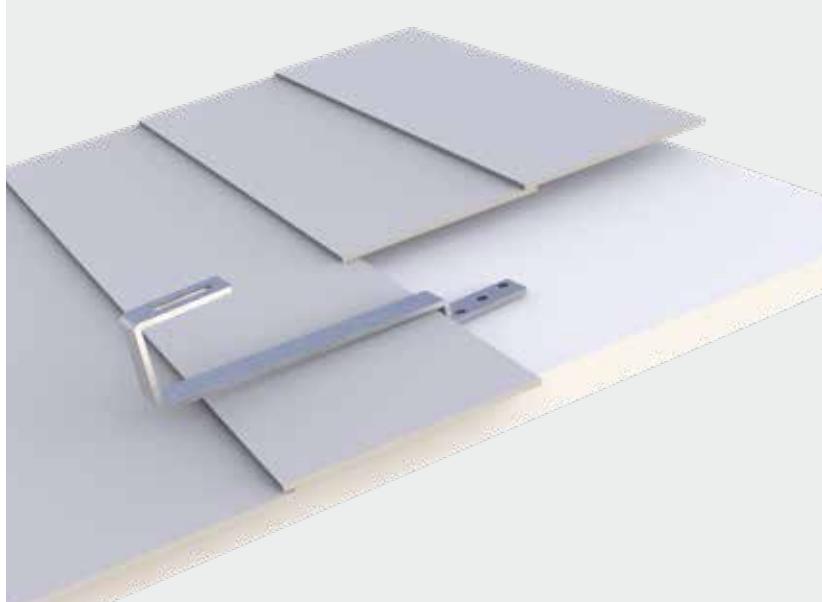
BENT  
TILES



FLAT  
SHINGLE



FLAGSTONE  
SHINGLE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
105	20	62	30	325

STAINLESS STEEL CODE	DESCRIPTION
11110708	HSTL SUPPORT 105/20-62
11110708BOX	HSTL 105/20-62 SUPPORT - BOX 10pcs.

Datasheet

GALVANIZED CODE	DESCRIPTION
11110708Z	HSTL SUPPORT 105/20-62
11110708ZBOX	HSTL 105/20-62 SUPPORT - BOX 10pcs.



## SUPPORT FOR FLAT ROOFING TILE



## TECHNICAL SPECIFICATIONS

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5 MM
- WEIGHT: 0,48G
- 3X Ø9 HOLES FOR ROOF FASTENING

## SUPPORT POUR CARRAGE PLAT



## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- POIDS: 0,48G
- 3X Ø9 PERCES POUR FIXATION DU TOIT

## STÜTZE FÜR FLACHDACHZIEGEL



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: EDELSTAHL AISI 304
- DICKE: 5 MM
- GEWICHT: 0,48G
- 3X Ø9 BOHRUNGEN ZUR DACHMONTAGE



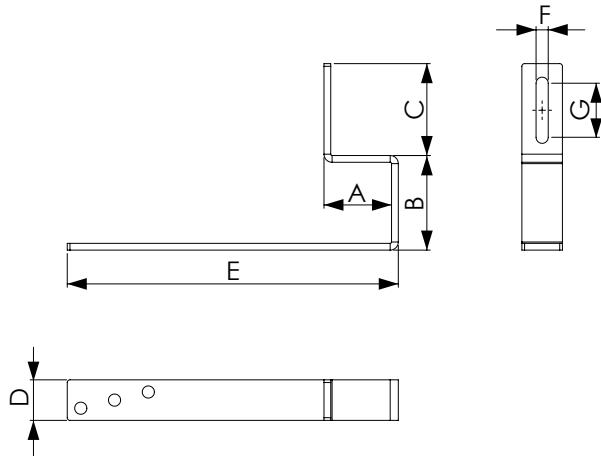
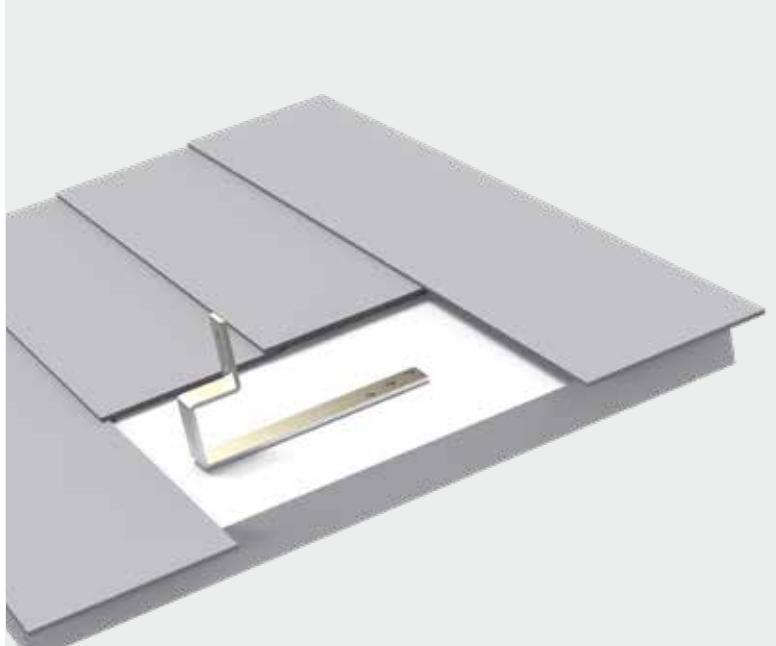
BENT TILES



FLAT SHINGLE



FLAGSTONE SHINGLE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
50	70	68	30	245	9	40

Datasheet

CODE	DESCRIPTION
FVD300008	STP-1 FLAT TILE SUPPORT
FVD300008BOX	STP-1 FLAT TILE SUPPORT - BOX OF 10 PCS



SUPPORT FOR FIXING  
ON PITCHED ROOF**TECHNICAL SPECIFICATIONS**

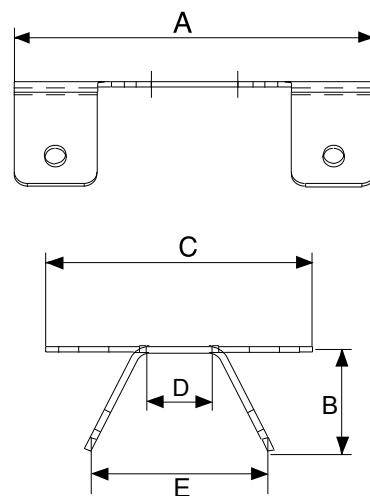
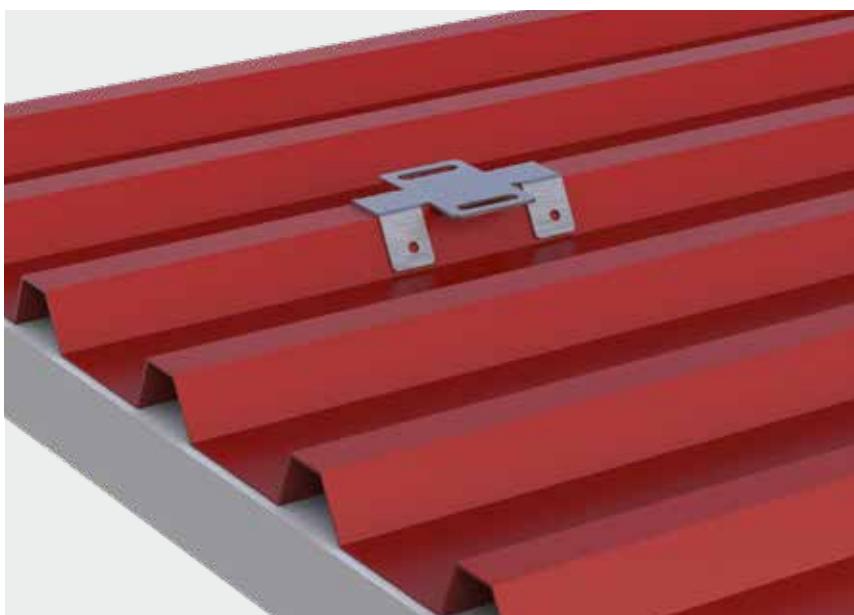
- MATERIAL: AISI 304 STAINLESS STEEL
- LOWER FIXING
- M8 BOLT SLOTS

SUPPORT POUR FIXATION  
SUR LES TOITS EN TÔLE  
NERVURÉE**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- FIXATION INFÉRIEURE
- FENTES POUR BOULON M8

HALTERUNG ZUR  
BEFESTIGUNG AUF  
DÄCHERN AUS WELLBLECH**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- UNTERE BEFESTIGUNG
- M8-BOLZENSCHLITZE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	HOLE [mm]
108	27	80	22	49	Ø 6

**Datasheet**

CODE	DESCRIPTION
11110722	LOWER FIXING SUPPORT
11110722BOX	LOWER FIXING SUPPORT - BOX 50pcs.



**CLAMP TYPE SUPPORT  
FOR STANDING SEAM  
SHEET METAL**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304
- THICKNESS: 2MM
- NO.2 HOLES Ø9 FOR ROOF MOUNTING

**SUPPORT À PINCE  
POUR TÔLE SERTIE**



**CARACTÉRISTIQUES TECHNIQUES**

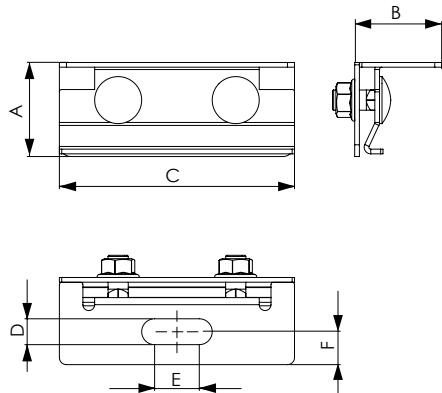
- MATÉRIAU : AISI 304
- ÉPAISSEUR : 2 MM
- 2 TROUS Ø9 POUR FIXATION SUR LE TOIT

**KLAMMERTYP  
HALTERUNG FÜR  
STEHFALZBLECHE**



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: AISI 304
- DICKE: 2MM
- NR. 2 LÖCHER Ø9 FÜR DACHMONTAGE



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
40	37	100	11	19	14

**Datasheet**



CODE	DESCRIPTION
FVD200021	CLAMP TYPE SUPPORT FOR STANDING SEAM SHEET METAL
FVD200021BOX	CLAMP TYPE SUPPORT FOR STANDING SEAM SHEET METAL - BOX 50pcs.

## HSMLA

**MADE IN ITALY**



**CLAMP TYPE SUPPORT  
FOR STANDING SEAM  
SHEET METAL**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304 STAINLESS STEEL
- COMPLETE WITH SHC SCREW M8 X 20, WASHER AND SELF-LOCKING M8 NUT
- IN A2 STAINLESS STEEL

**SUPPORT À PINCE  
POUR TÔLE SERTIE**



**CARACTÉRISTIQUES TECHNIQUES**

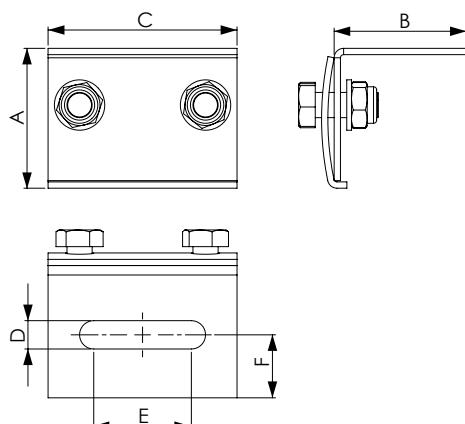
- MATÉRIAU : ACIER INOX AISI 304
- FOURNI AVEC VIS TE M8 X 20, RONDELLE ET ÉCROU M8 ÉCROU AUTOBLOQUANT
- EN ACIER INOXYDABLE A2

**KLAMMERTYP  
HALTERUNG FÜR  
STEHFALZBLECHE**



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- KOMPLETT MIT SHC-SCHRAUBE M8 X 20, UNTERLEGSCHEIBE UND SELBSTSICHERENDER MUTTER M8
- AUS A2 EDELSTAHL



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
42	42	60	9	30	20

**Datasheet**



CODE	DESCRIPTION
11110730	HSMLA CLAMP TYPE SUPPORT FOR STANDING SEAM SHEET METAL
11110730BOX	HSMLA CLAMP TYPE SUPPORT FOR STANDING SEAM SHEET METAL - BOX 50pcs.

# TRIANGULAR SUPPORTS AND BALLASTS FOR FLAT ROOFS



**CONCRETE BALLAST  
FOR FLAT ROOFS  
0° - 5° - 10° - 15°**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: CONCRETE
- FVP200 ALUMINIUM PROFILES INCLUDED
- IDEAL FOR HORIZONTALLY LAID PHOTOVOLTAIC AND SOLAR THERMAL PANELS
- HOLES AVAILABLE FOR ANCHOR DOWELS

**BALLAST EN CIMENT  
INCLINÉ POUR TOITS PLATS  
0° - 5° - 10° - 15°**

**CARACTÉRISTIQUES TECHNIQUES**

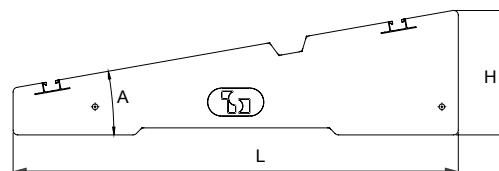
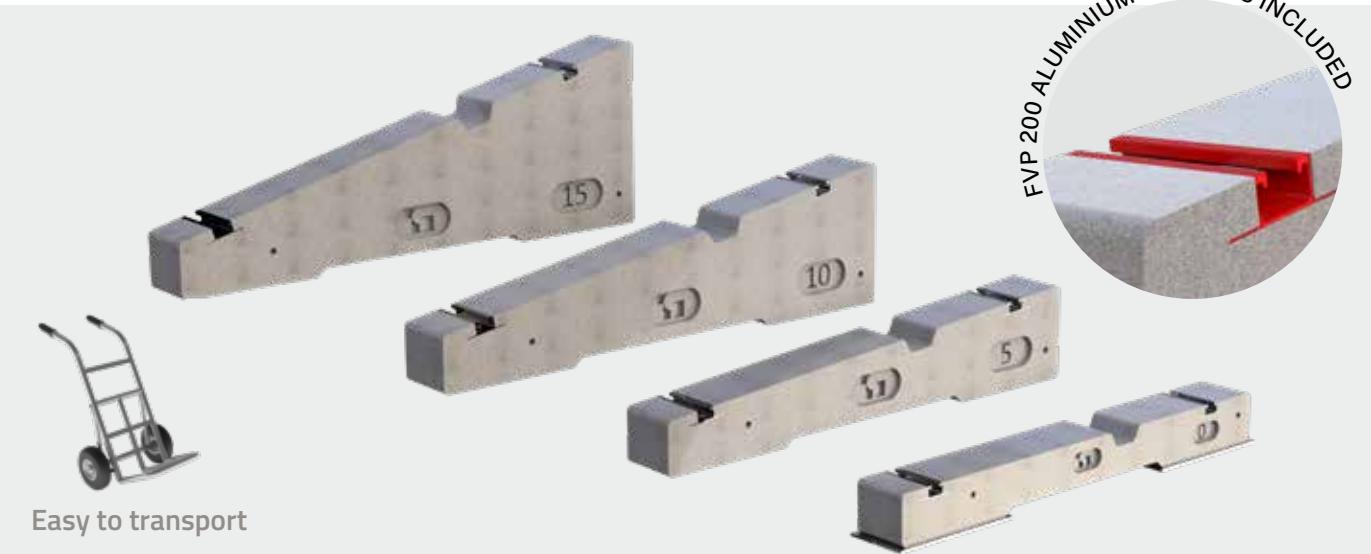
- MATÉRIAU : MÉLANGE DE BÉTON
- PROFILÉS EN ALUMINIUM FVP200 INCLUS
- IDÉAL POUR LES PANNEAUX SOLAIRES PHOTOVOLTAÏQUES ET THERMIQUES INSTALLÉS HORIZONTALEMENT
- TROUS PRÉVUS POUR LE MONTAGE DES CHEVILLETTES D'ANCRAGE

**GEFÄGTE BETONBALA-  
STIERUNGEN FÜR FLA-  
CHÄCHER 0° - 5° - 10° - 15°**



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: BETON
- FVP200 ALUMINIUMPROFILE IM LIEFERUMFANG ENTHALTEN
- IDEAL FÜR HORIZONTAL VERLEGTE PHOTOVOLTAIK- UND SOLARTHERMIEMODULE
- VORBEREITETE LÖCHER FÜR DIE MONTAGE VON ANKERDÜBELN



Datasheet



CODE	DESCRIPTION	L [mm]	P [mm]	H [mm]	A [°]	WEIGHT [kg]
FVD500011	FLAT CONCRETE BALLAST 0°	950	115	100	0°	23
FVD500009	SLOPING CONCRETE BALLAST 5°	950	115	183	5°	34
FVD500008	SLOPING CONCRETE BALLAST 10°	950	115	267	10°	45
FVD500010	SLOPING CONCRETE BALLAST 15°	950	115	354	15°	56

**RUBBER MAT FOR BALLAST  
IN CEMENT IN EPDM**



**TAPIS EN CAOUTCHOUC  
POUR BALLAST EN CIMENT  
EN EPDM**



**GUMMIMATTE FÜR BALLAST  
IN ZEMENT IN EPDM**



Datasheet



**CENTRAL SUPPORT  
BRACKET FOR  
PHOTOVOLTAIC PANEL**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 3 MM
- M8 SCREW IN STAINLESS STEEL
- TIGHTENING TORQUE <8NM

**SUPPORT DE FIXATION  
CENTRAL POUR PANNEAU  
PHOTOVOLTAÏQUE**

**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 3 MM
- VIS M8 EN ACIER INOXYDABLE
- COUPLE DE SERRAGE <8NM

**ZENTRALE HALTERUNG  
FÜR PHOTOVOLTAIK-  
MODUL**



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- DICKE: 3 MM
- M8-SCHRAUBE AUS EDELSTAHL
- ANZUGSMOMENT <8NM

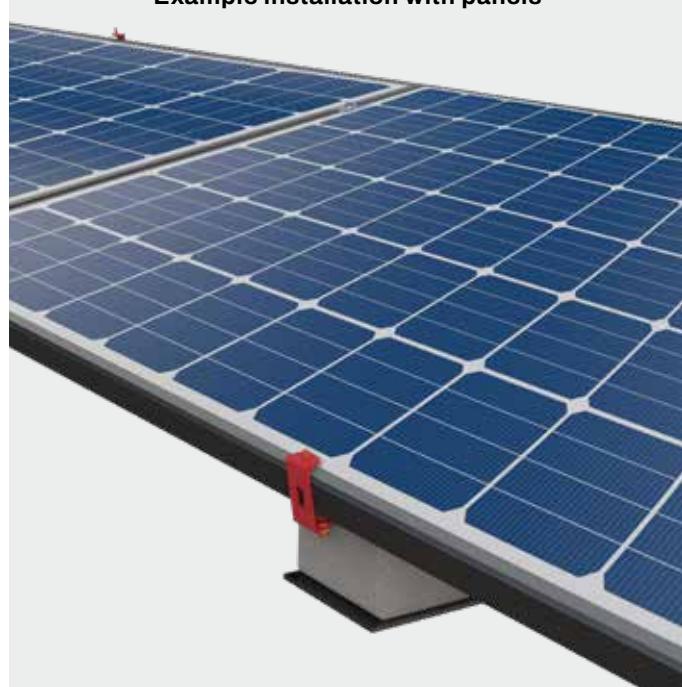


CODE	A [mm]	B [mm]	C [mm]	W clampable panel width [mm]
FVD200033	30	205 ÷ 250	25 ÷ 40	1115 ÷ 1245
FVD200034	30	205 ÷ 215	25 ÷ 40	1038 ÷ 1120

Example of 10° installation on ballast



Example installation with panels



CODE	DESCRIPTION
FVD200033	PAIR OF BRACKETS FOR CENTRAL SUPPORT OF PHOTOVOLTAIC PANEL "SSCB-1" (2 PCS)
FVD200033BOX	BRACKETS FOR CENTRAL SUPPORT OF PHOTOVOLTAIC PANEL "SSCB-1" - BOX of 10 PAIRS
FVD200034	PAIR OF BRACKETS FOR CENTRAL OF SUPPORT PHOTOVOLTAIC PANNEL "SSCB-2" (2 PCS)
FVD200034BOX	BRACKETS FOR CENTRAL SUPPORT OF PHOTOVOLTAIC PANNEL "SSCB-2" - BOX of 10 PAIRS

Datasheet



# HTR

MADE IN ITALY

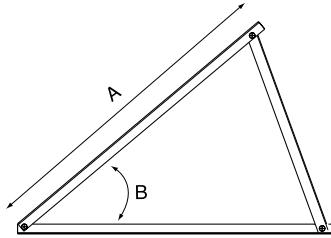


## ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOFS



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM 6060
- EXTRUDED WITH NON-SLIP KNUURLING
- STAINLESS STEEL SCREWS
- EXTRUDED BOXED



## TRIANGLE DE SOUTIEN RÉGLABLE POUR TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALUMINIUM 6060
- EXTRUDÉS AVEC MOLETAGE ANTIDÉRAPANT
- VIS EN ACIER INOXYDABLE
- BOÎTE EXTRUDÉE

Datasheet



## VERSTELLBARE DREIECKSTÜTZE FÜR FLACHDÄCHER

### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- EXTRUDIERT MIT RUTSCHFESTER RÄNDLUNG
- EDELSTAHLSCHEIBEN
- EXTRUDIERT VERPACKT



**ATTENTION: TO FIX FVP 400-300-250 PROFILES USE THE M835 FASTENER KIT (PAG. 87)**

**N.B. - INDICATE THE DESIRED INCLINATION IN THE ORDER**

CODE	A [mm]	B (DEGREES)
11110755	800	20°-25°-30°
11110759	800	35°-40°
11110757	1600	20°-25°-30°
11110761	1600	35°-40°
11110758	2000	20°-25°-30°
11110762	2000	35°-40°

CODE	DESCRIPTION
11110755	HTR 800 ADJUSTABLE TRIANGULAR SUPPORT - 20°-25°-30°
11110759	HTR 800 ADJUSTABLE TRIANGULAR SUPPORT - 35°-40°
11110757	HTR 1600 ADJUSTABLE TRIANGULAR SUPPORT - 20°-25°-30°
11110761	HTR 1600 ADJUSTABLE TRIANGULAR SUPPORT - 35°-40°
11110758	HTR 2000 ADJUSTABLE TRIANGULAR SUPPORT - 20°-25°-30°
11110762	HTR 2000 ADJUSTABLE TRIANGULAR SUPPORT - 35°-40°

# FTPR

MADE IN ITALY

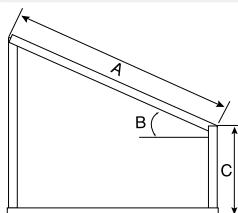


## ADJUSTABLE TRAPEZOIDAL SUPPORT FOR FLAT SURFACES



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM 6060
- EXTRUDED WITH NON-SLIP KNUURLING
- STAINLESS STEEL SCREWS
- EXTRUDED BOXED



## TRAPÈZE RÉGLABLE DE SOUTIEN POUR SURFACES PLANES



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALUMINIUM 6060
- EXTRUDÉS AVEC MOLETAGE ANTIDÉRAPANT
- VIS EN ACIER INOXYDABLE
- BOÎTE EXTRUDÉE



## VERSTELLBARE TRAPEZSTÜTZE FÜR EBENE FLÄCHEN

### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- EXTRUDIERT MIT RUTSCHFESTER RÄNDLUNG
- EDELSTAHLSCHEIBEN
- EXTRUDIERT VERPACKT

CODE	A [mm]	B [mm]	C [mm]
11111041	1600	20°-25°-30°-35°-40°	500
11111042	2000	20°-25°-30°-35°-40°	500

**ATTENTION: TO FIX FVP 400-300-250 PROFILES USE THE M835 FASTENER KIT (PAG. 87)**

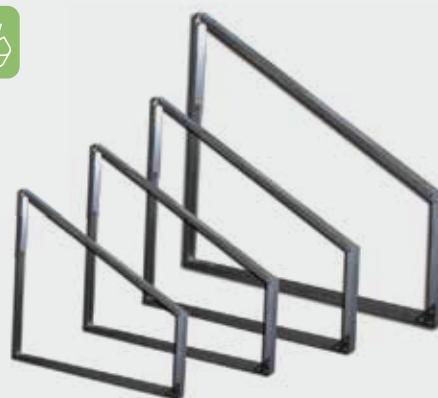
**N.B. - INDICATE THE DESIRED INCLINATION IN THE ORDER**



## VERSTELLBARE DREIECKSTÜTZE FÜR FLACHDÄCHER

### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- EXTRUDIERT MIT RUTSCHFESTER RÄNDLUNG
- EDELSTAHLSCHEIBEN
- EXTRUDIERT VERPACKT



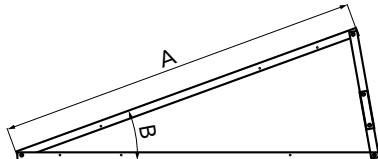
CODE	DESCRIPTION
11111039	FTP <small>R</small> 800 ADJUSTABLE TRAPEZOIDAL SUPPORT
11111040	FTP <small>R</small> 1200 ADJUSTABLE TRAPEZOIDAL SUPPORT
11111041	FTP <small>R</small> 1600 ADJUSTABLE TRAPEZOIDAL SUPPORT
11111042	FTP <small>R</small> 2000 ADJUSTABLE TRAPEZOIDAL SUPPORT

## ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOFS



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM 6060
- L-PROFILE 40X40
- STAINLESS STEEL SCREWS



## TRIANGLE DE SOUTIEN RÉGLABLE POUR TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALUMINIUM 6060
- PROFILÉ EN FORME DE L 40X40
- VIS EN ACIER INOXYDABLE

## VERSTELLBARE DREIECKSTÜTZE FÜR FLACHDÄCHER



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- L-PROFIL 40X40
- EDELSTAHLSCHEIBEN

N.B. - INDICATE THE DESIRED INCLINATION  
IN THE ORDER

Datasheet



CODE	A [mm]	B (DEGREES)
FVD500002	1800	10-15-20°
FVD500003	1800	25-30-35°
FVD500004	2000	10-15-20°
FVD500005	2000	25-30-35°
FVD500006	2200	10-15-20°
FVD500007	2200	25-30-35°

CODE	DESCRIPTION
FVD500002	HTL1800 ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOF 10-15-20°
FVD500003	HTL1800 ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOF 25-30-35°
FVD500004	HTL2000 ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOF 10-15-20°
FVD500005	HTL2000 ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOF 25-30-35°
FVD500006	HTL2200 ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOF 10-15-20°
FVD500007	HTL2200 ADJUSTABLE TRIANGULAR SUPPORT FOR FLAT ROOF 25-30-35°

# HTF

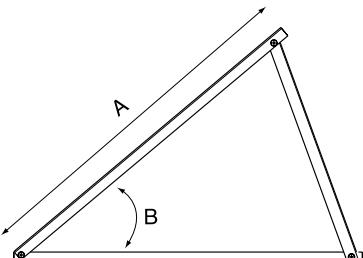
## FIXED TRIANGULAR SUPPORT FOR FLAT ROOFS



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM 6060
- L-PROFILE 40X40
- STAINLESS STEEL SCREWS

INCLINATIONS AVAILABLE ON REQUEST



## TRIANGLE DE SUPPORT FIXE POUR TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALUMINIUM 6060
- PROFILÉ EN FORME DE L 40X40
- VIS EN ACIER INOXYDABLE

## FESTSTEHENDE DREIECKSTÜTZE FÜR FLACHDÄCHER



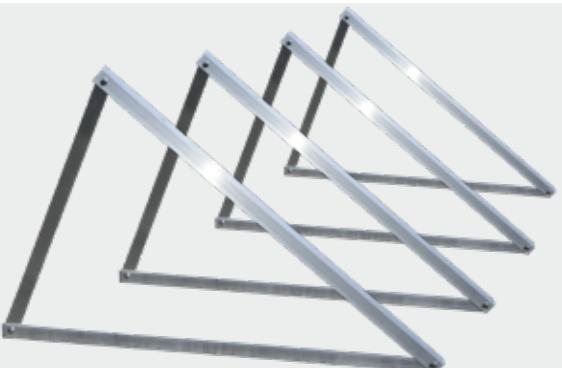
### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- L-PROFIL 40X40
- EDELSTAHLSCHEIBEN

MADE IN ITALY



Datasheet



N.B. - INDICATE THE DESIRED INCLINATION  
IN THE ORDER

CODE	A[mm]	B (GRADI)
11110771	800	DA 20° A 40°
11110772	1200	DA 20° A 40°
11110773	1600	DA 20° A 40°
11110774	2000	DA 20° A 40°

CODE	DESCRIPTION
11110771	HTF 800 TRIANGULAR SUPPORT FOR FLAT ROOFS AT 30°
11110772	HTF 1200 TRIANGULAR SUPPORT FOR FLAT ROOFS AT 30°
11110773	HTF 1600 TRIANGULAR SUPPORT FOR FLAT ROOFS AT 30°
11110773P1	HTF 1600 TRIANGULAR SUPPORT FOR FLAT ROOFS INCL. 20°
11110774	HTF 2000 TRIANGULAR SUPPORT FOR FLAT ROOFS AT 30°

# HTF 30

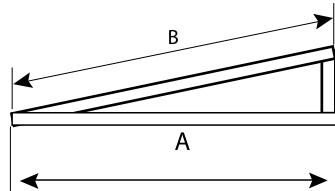
MADE IN ITALY

## TRIANGULAR SUPPORT FOR FLAT ROOFS

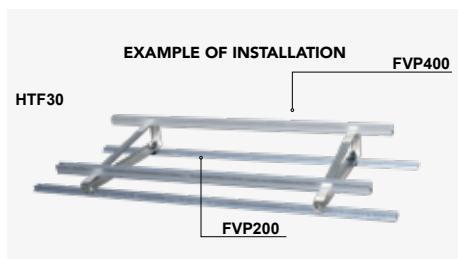


### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- "L" PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FV PROFILES



CODE	A [mm]	B [mm]
11110768	800	800



## TRIANGLE DE SOUTIEN POUR LES TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- "L" PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGUNG VON FV-PROFILEN

## DREIECKSSTÜTZE FÜR FLACHDÄCHER



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- L-PROFIL 40X40
- EDELSTAHLSCRAUBEN



✓ FOR BALLASTING OR FIXING TO ROOF

TRIANGULAR SUPPORT TO BE FIXED ON PROFILES max 30 cm. from surface

Datasheet



CODE	DESCRIPTION
11110768	HTF30 TRIANGULAR SUPPORT FOR FLAT ROOFS

# HTF 30L

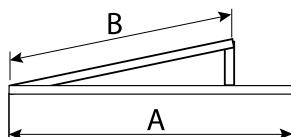
MADE IN ITALY

## TRIANGULAR SUPPORT FOR FLAT ROOFS

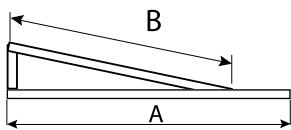


### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- "L" PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FV PROFILES



REVERSIBLE



## TRIANGLE DE SOUTIEN POUR LES TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- "L" PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGUNG VON FV-PROFILEN

## DREIECKSSTÜTZE FÜR FLACHDÄCHER



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUM 6060
- L-PROFIL 40X40
- EDELSTAHLSCRAUBEN



FOR BALLASTING OR FIXING TO ROOF

CODE	A[mm]	B [mm]
11110770	1200	800

✓ FOR BALLASTING OR FIXING TO ROOF

EXAMPLE INSTALLATION WITH BALLASTED HTF30L AND PROFILE FVP400



CODE	DESCRIPTION
11110770	HTF30L TRIANGULAR SUPPORT FOR FLAT ROOFS

# HTF 2/30

MADE IN ITALY

## TRIANGULAR SUPPORT FOR FLAT ROOFS



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- "L" PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FVP PROFILES

## TRIANGLE DE SOUTIEN POUR LES TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- PROFILÉ EN FORME DE L 40 X 40
- VIS EN ACIER INOXYDABLE
- PRÉ-PERCÉ POUR LA FIXATION DES PROFILÉS FVP

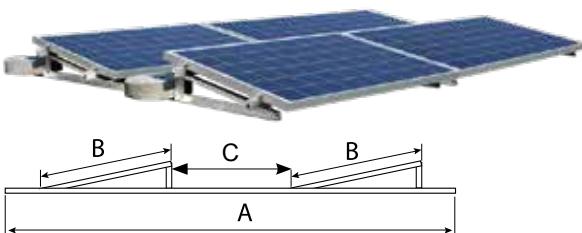
## DREIECKSSTÜTZE FÜR FLACHDÄCHER



### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINUMLEGIERUNG 6060
- "L" PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGUNG VON FVP-PROFILEN

EXAMPLE INSTALLATION WITH BALLASTED HTF2/30 AND PROFILE FVP400



CODE	A [mm]	B [mm]	C [mm]
11110769	2900	800	560



FOR BALLASTING OR FIXING TO ROOF  
max 30 cm. from surface

[Datasheet](#)



# HTF 3/30

MADE IN ITALY

## TRIANGULAR SUPPORT WITH VERTICAL FIXING FOR FLAT ROOFS



### TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- "L" PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FVP PROFILES

## TRIANGLE DE SOUTIEN AVEC FIXATION VERTICALE POUR LES TOITS PLATS



### CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- PROFILÉ EN FORME DE « L » 40 X 40
- VIS EN ACIER INOXYDABLE
- PRÉ-PERCÉ POUR LA FIXATION DES PROFILÉS FVP

## DREIECKSSTÜTZE MIT VERTIKALER BEFESTIGUNG FÜR FLACHDÄCHER

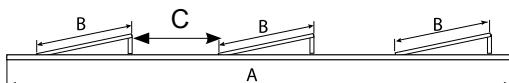


### TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINUMLEGIERUNG 6060
- "L" PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGUNG VON FVP-PROFILEN

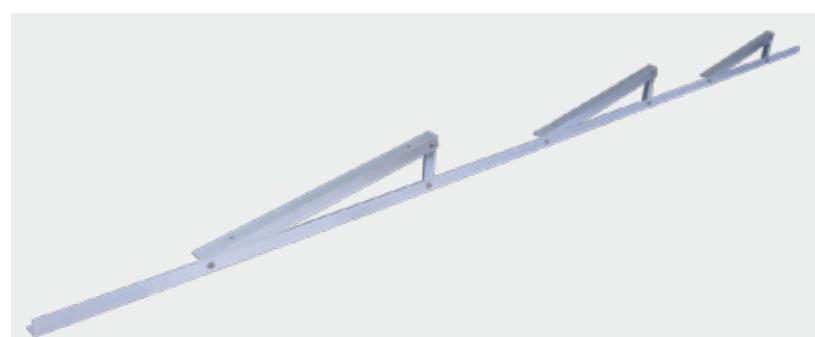
HORIZONTAL ASSEMBLY OF MODULES

FOR BALLASTING OR FIXING TO ROOF  
max 30 cm. from surface



CODE	A [mm]	B [mm]	C [mm]
11110775	4370	800	560

EXAMPLE OF BALLAST INSTALLATION:



DISTANCE BETWEEN PANELS: ABOUT 50 CM. FOR WALKWAY (CONSIDERING MODULE DIMENSIONS 1000x1600)



CODE	DESCRIPTION
11110775	HTF3/30 TRIPLE TRIANGULAR SUPPORT FOR FLAT ROOFS

[Datasheet](#)



# HTF 1V/30L

MADE IN ITALY

TRIANGULAR SUPPORT  
WITH VERTICAL FIXING  
FOR FLAT ROOFS



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- “L” PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FVP PROFILES

TRIANGLE DE SOUTIEN  
AVEC FIXATION VERTICALE  
POUR LES TOITS PLATS

## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- PROFILÉ EN FORME DE « L » 40 X 40
- VIS EN ACIER INOXYDABLE
- PRÉ-PERCÉ POUR LA FIXATION DES PROFILÉS FVP

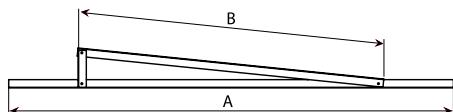
DREIECKSSTÜTZE MIT  
VERTIKALER BEFESTI-  
GUNG FÜR FLACHDÄCHER



## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- “L” PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGATION VON FVP-PROFILEN

INCLINATION 7°



CODE	A [mm]	B [mm]
11110788	2170	1500

EXAMPLE INSTALLATION WITH HTF1V/30L  
BALLASTED AND PROFILE FVP400



[Datasheet](#)



# HTF 2V/30

MADE IN ITALY

TRIANGULAR SUPPORT  
WITH VERTICAL FIXING  
FOR FLAT ROOFS



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- “L” PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FVP PROFILES

TRIANGLE DE SOUTIEN  
AVEC FIXATION VERTICALE  
POUR LES TOITS PLATS

## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- PROFILÉ EN FORME DE « L » 40 X 40
- VIS EN ACIER INOXYDABLE
- PRÉ-PERCÉ POUR LA FIXATION DES PROFILÉS FVP

DREIECKSSTÜTZE MIT  
VERTIKALER BEFESTI-  
GUNG FÜR FLACHDÄCHER

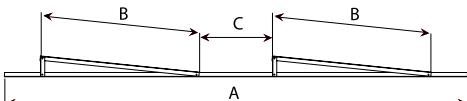


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- “L” PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGATION VON FVP-PROFILEN

INCLINATION 7°

FOR BALLASTING OR FIXING TO ROOF  
max 30 cm. from surface



CODE	A [mm]	B [mm]	C [mm]
11110789	4350	1500	688

EXAMPLE INSTALLATION WITH HTF1V/30L  
BALLASTED AND PROFILE FVP400



[Datasheet](#)



CODE	DESCRIPTION
11110789	HTF 2V/30 TRIANGULAR SUPPORT WITH VERTICAL FIXING FOR FLAT ROOFS

# HTF 3V/30L

MADE IN ITALY

TRIANGULAR SUPPORT  
WITH VERTICAL FIXING  
FOR FLAT ROOFS



## TECHNICAL SPECIFICATIONS

- MATERIAL: ALUMINIUM ALLOY 6060
- “L” PROFILE 40 X 40
- STAINLESS STEEL SCREWS
- PRE-DRILLED FOR FASTENING FVP PROFILES

TRIANGLE DE SOUTIEN  
AVEC FIXATION VERTICALE  
POUR LES TOITS PLATS

## CARACTÉRISTIQUES TECHNIQUES

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- PROFILÉ EN FORME DE « L » 40 X 40
- VIS EN ACIER INOXYDABLE
- PRÉ-PERCÉ POUR LA FIXATION DES PROFILÉS FVP

DREIECKSSTÜTZE MIT  
VERTIKALER BEFESTI-  
GUNG FÜR FLACHDÄCHER

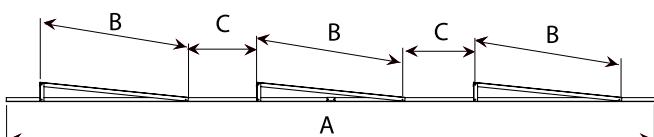
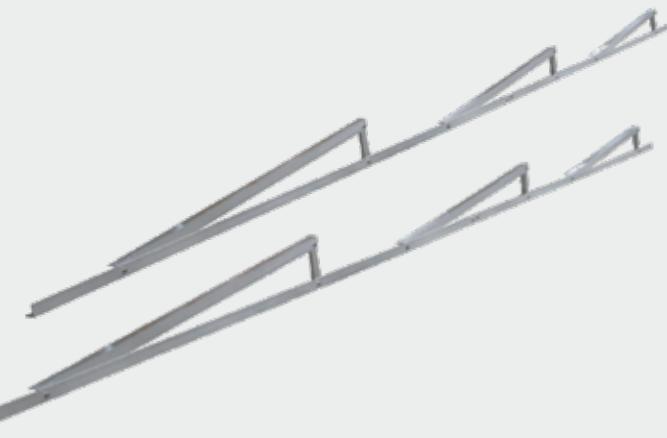


## TECHNISCHE EIGENSCHAFTEN

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- “L” PROFIL 40 X 40
- EDELSTAHLSCRAUBEN
- VORGEBOHRT ZUR BEFESTIGUNG VON FVP-PROFILEN

VERTICAL ASSEMBLY OF MODULES

FOR BALLASTING OR FIXING TO ROOF  
max 30 cm. from surface



CODE	A [mm]	B [mm]	C [mm]
11110790	6530	1500	688

Datasheet



CODE	DESCRIPTION
11110790	HTF 3V/30 TRIANGULAR SUPPORT WITH VERTICAL FIXING FOR FLAT ROOFS

CIRCULAR BALLAST FOR  
TRIANGULAR SUPPORTS



## TECHNICAL SPECIFICATIONS

- CONCRETE BASES TO BE USED AS A SUPPORT
- BALLAST FOR PHOTOVOLTAIC PANELS AND SOLAR-THERMAL PANELS

BALLAST CIRCULAIRE  
POUR LES TRIANGLES



## CARACTÉRISTIQUES TECHNIQUES

- SOCLES EN BÉTON DESTINÉS À UTILISER COMME SUPPORT
- BALLAST POUR PANNEAUX PHOTOVOLTAÏQUES ET PANNEAUX SOLAIRES THERMIQUES

RUNDER BALLAST FÜR  
DREIECKSSTÜTZEN



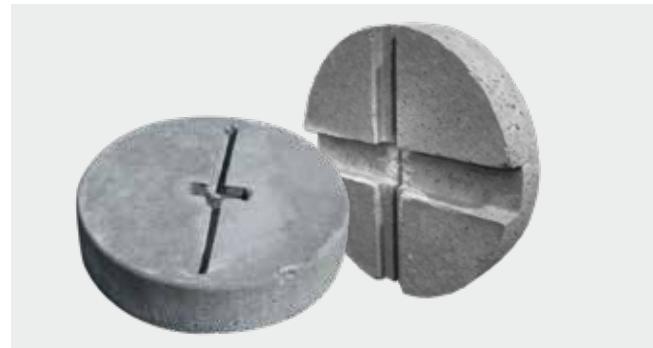
## TECHNISCHE EIGENSCHAFTEN

- BETONSOCKEL, DIE ALS STÜTZE VERWENDET WERDEN
- BALLAST FÜR PHOTOVOLTAIKMODULE UND SOLARTHERMIEMODULE

MADE IN ITALY



**ALL BALLASTS ARE EQUIPPED WITH HOUSINGS  
FOR PROFILES AND TRIANGULAR SUPPORTS**



Datasheet



CODE	DESCRIPTION	DIMENSIONS [cm]	WEIGHT [kg]
11110739	CIRCULAR BALLAST 62 FOR TRIANGULAR SUPPORTS	Ø 60 TH. 10	62
11110748	CIRCULAR BALLAST 25 FOR TRIANGULAR SUPPORTS	Ø 40 TH. 9.5	25

BUFFER FOR TRIANGULAR SUPPORTS **TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304 STAINLESS STEEL
- EQUIPPED WITH PRE-DRILLED HOLES FOR FAST FIXING

CACHE POUR TRIANGLES **CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- ÉQUIPÉ DE TROUS PRÉ-PERCÉS POUR UNE FIXATION RAPIDE

PUFFER FÜR DREIECKIGE STÜTZEEN **TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- AUSGESTATTET MIT VORGEBOHRTEN LÖCHERN FÜR EINE SCHNELLE BEFESTIGUNG



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]
11110781	BUFFER FOR TRIANGULAR SUPPORTS "HTF"	790	175

## HGCPS

ARTICULATED COUPLING FOR FVP 400/300 PROFILES **TECHNICAL SPECIFICATIONS**

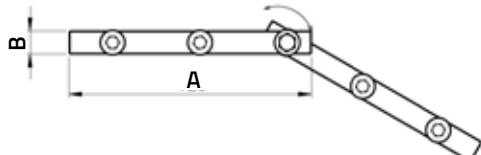
- MATERIAL: AISI 304 STAINLESS STEEL
- THICKNESS: 5 MM
- COMPLETE WITH 4 M8X10 - DIN912 - STAINLESS STEEL SCREWS

JOINT ARTICULÉ POUR PROFILS FVP 400/300 **CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX AISI 304
- ÉPAISSEUR : 5 MM
- FOURNI AVEC 4 VIS EN ACIER INOXYDABLE M8X10 DIN912

GELENKKUPPLUNG FÜR FVP 400/300-PROFILE **TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: EDELSTAHL AISI 304
- DICKE: 5 MM
- KOMPLETT MIT 4 M8X10 – DIN912 – EDELSTAHLSCRAUBEN



CODE	DESCRIZIONE	A [mm]	B [mm]	C [mm]	Datasheet
FVD100035	HGCPS ARTICULATED COUPLING FOR FVP 400/300 PROFILES	125	12	5	
FVD100035BOX	HGCPS ARTICULATED COUPLING FOR FVP 400/300 PROFILES - BOX 30pcs	125	12	5	
<b>NEW</b> FVD100042	ARTICULATED CONNECTION FOR PROFILES IN ALUMINIUM - 400/300	125	12	5	
<b>NEW</b> FVD100042BOX	ARTICULATED CONNECTION FOR PROFILES IN ALUMINIUM - 400/300 - BOX OF 30 PCS	125	12	5	



**ADJUSTABLE SUPPORT  
BRACKET FOR DOMED  
ROOF**



**TECHNICAL SPECIFICATIONS**

- MATERIAL: AISI 304
- THICKNESS: 3 MM
- HOLES AND EYELETS Ø9 FOR ROOF MOUNTING

**PATTE DE SUPPORT  
RÉGLABLE POUR DÔME**



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : AISI 304
- ÉPAISSEUR : 3 MM
- TROUS ET FENTES Ø9 POUR FIXATION SUR LE TOIT

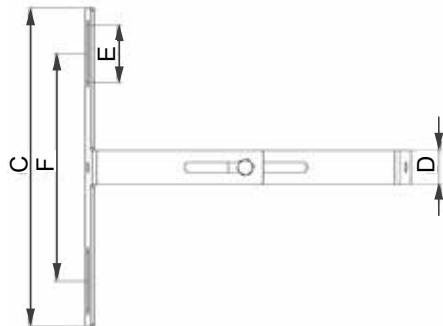
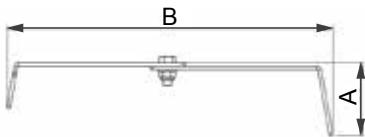
**VERSTELLBARE  
STÜTZHALTERUNG  
FÜR KUPPELDACH**



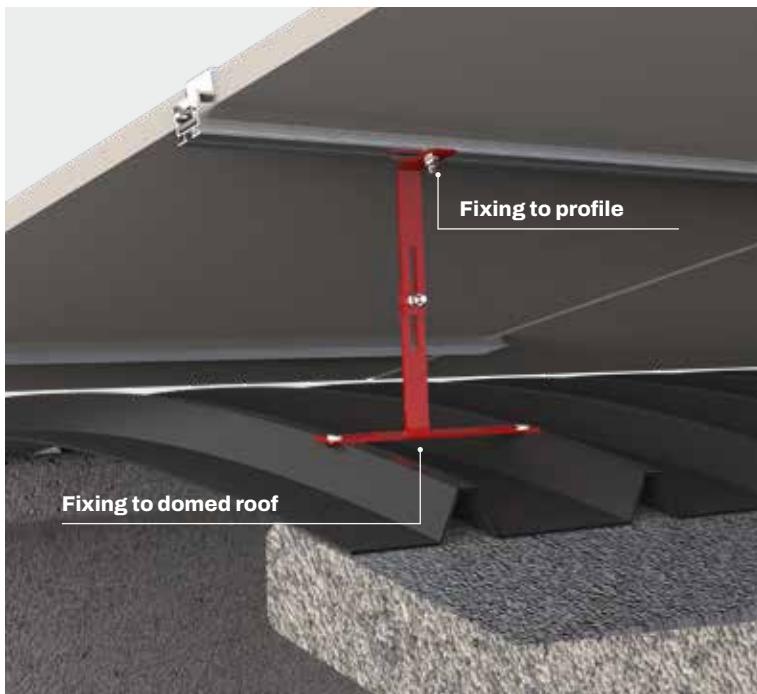
**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: AISI 304
- DICKE: 3 MM
- LÖCHER UND ÖSEN Ø9 FÜR DACHMONTAGE

MADE IN ITALY



Adjustable



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
62	238-288	280	30	50	200

**Datasheet**



**U-SHAPED STRUCTURAL****TECHNICAL SPECIFICATIONS**

- MATERIAL: ALUMINIUM ALLOY 6060
- EQUIPPED WITH NON-SLIP KNURLING
- 3245 MM BARS

**PROFILÉ STRUCTUREL EN « U »****CARACTÉRISTIQUES TECHNIQUES**

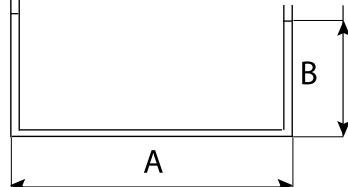
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- ÉQUIPÉ D'UN MOLETAGE ANTIDÉRAPANT
- BARRE DE 3245 MM

**U-FÖRMIGES STRUKTURPROFIL****TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- AUSGESTATTET MIT RUTSCHFESTER RÄNDELUNG
- 3245 MM STANGEN



MADE IN ITALY



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]	LENGTH [mm]	THICK. [mm]
11110819	U-SHAPED STRUCTURAL PROFILE	55	33	3245	3

**BOXED STRUCTURAL PROFILE****TECHNICAL SPECIFICATIONS**

- MATERIAL: ALUMINIUM ALLOY 6060
- EQUIPPED WITH NON-SLIP KNURLING
- 3245 MM BARS

**PROFILÉ STRUCTUREL EN BOÎTE****CARACTÉRISTIQUES TECHNIQUES**

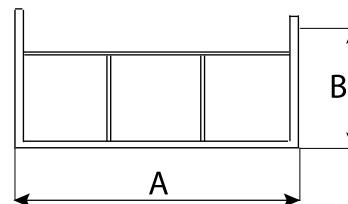
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- ÉQUIPÉ D'UN MOLETAGE ANTIDÉRAPANT
- BARRE DE 3245 MM

**GEKÄSTETES STRUKTURPROFIL****TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- AUSGESTATTET MIT RUTSCHFESTER RÄNDELUNG
- 3245 MM STANGEN



MADE IN ITALY



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]	LENGTH [mm]	THICK. [mm]
11110818	BOXED STRUCTURAL PROFILE	50	30	3245	3

**L-SHAPED STRUCTURAL PROFILE****TECHNICAL SPECIFICATIONS**

- MATERIAL: ALUMINIUM ALLOY 6060
- 3260 MM BARS

**PROFILÉ STRUCTUREL EN « L »****CARACTÉRISTIQUES TECHNIQUES**

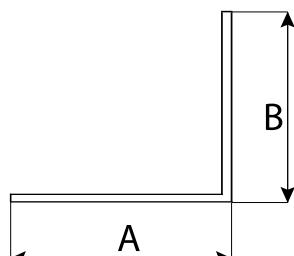
- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060
- BARRE DE 3260 MM

**L-FÖRMIGES STRUKTURPROFIL****TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: ALUMINIUMLEGIERUNG 6060
- 3260 MM STANGEN



MADE IN ITALY



Datasheet



CODE	DESCRIPTION	A [mm]	B [mm]	LENGTH [mm]	THICK. [mm]
11110782	L-SHAPED STRUCTURAL PROFILE	40	40	3260	3

**BRACING PROFILE**

**TECHNICAL SPECIFICATIONS**

- MATERIAL: ALUMINIUM ALLOY 6060

**PROFIL DE CONTREVENTEMENT**

**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ALLIAGE D'ALUMINIUM 6060

**VERSTÄRKUNGS PROFIL**

**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: ALUMINIUMLEGIERUNG 6060

[Datasheet](#)


MADE IN ITALY

**CODE**
**DESCRIPTION**
**LENGTH [mt]**
**WIDTH [mm]**
**THICK. [mm]**

11110750

HCV PROFILE

4

40

4

**HEAVY FIXING DOWEL**

**TECHNICAL SPECIFICATIONS**

- MATERIAL: A2 STAINLESS STEEL
- HIGH TENSILE AND SHEAR STRENGTH
- QUICK INSERTION INTO THE HOLE USING A HAMMER

**CHEVILLE DE FIXATION ROBUSTE**

**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : ACIER INOX A2
- HAUTE RÉSISTANCE À LA TRACTION ET AU CISAILLEMENT
- INSERTION RAPIDE DANS LE TROU GRÂCE À L'UTILISATION DU MARTEAU

**STARKER BEFESTIGUNGSDÜBEL**

**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: A2 EDELSTAHL
- HOHE ZUG- UND SCHERFESTIGKEIT
- SCHNELLES EINBRINGEN IN DAS LOCH MIT EINEM HAMMER

[Datasheet](#)

**CODE**
**DESCRIPTION**
**DIMENSIONS [mm]**

11111000

HEAVY FIXING DOWEL M10

10 x 90

11111000BOX

HEAVY FIXING DOWEL M10 - BOX 100pcs.

10 x 90

11111001

HEAVY FIXING DOWEL M8

8 x 60

11111001BOX

HEAVY FIXING DOWEL M8 - BOX 100pcs.

8 x 60

**SCREW + NUT + WASHER FASTENER KIT**

**TECHNICAL SPECIFICATIONS**

- A2 STAINLESS STEEL SCREWS KIT

**JEU DE VIS + ÉCROU + RONDELLE**

**CARACTÉRISTIQUES TECHNIQUES**

- KIT VISSEUR EN ACIER INOXYDABLE A2

**SCHRAUBEN + MUTTER + UNTERLEGSCHIEBEN-BEFESTIGUNGSSATZ**

**TECHNISCHE EIGENSCHAFTEN**

- A2 EDELSTAHLSCHEIBEN

[Datasheet](#)

**CODE**
**DESCRIPTION**

11110881

HH SCREW M8 x 10 + NUT + WASHER KIT

11110881BOX

HH SCREW M8 x 10 + NUT + WASHER KIT - BOX 100pcs.

11110882

HH SCREW M8 x 20 + NUT + WASHER KIT

11110882BOX

HH SCREW M8 x 20 + NUT + WASHER KIT - BOX 100pcs.

11110883

HH SCREW M8 x 25 + NUT + WASHER KIT

11110883BOX

HH SCREW M8 x 25 + NUT + WASHER KIT - BOX 100pcs.

11111038

HH SCREW M8 x 35 + NUT + WASHER KIT

11111038BOX

HH SCREW M8 x 35 + NUT + WASHER KIT - BOX 100pcs.

**A2 STAINLESS STEEL  
HEXAGONAL  
FLANGED NUT****TECHNICAL SPECIFICATIONS**

- A2 STAINLESS STEEL NUT

CODE	DESCRIPTION
11110894	M8 A2 HEX NUT
11110894BOX	M8 A2 HEX NUT - BOX 100pcs.
11110886	M10 A2 HEX NUT
11110886BOX	M10 A2 HEX NUT - BOX 100pcs.
11110887	M12 A2 HEX NUT
11110887BOX	M12 A2 HEX NUT - BOX 100pcs.

**ÉCROU À BRIDE  
HEXAGONALE EN ACIER  
INOX A2****CARACTÉRISTIQUES TECHNIQUES**

- ÉCROU EN ACIER INOXYDABLE A2

**SECHSKANT-FLAN-  
SCHMUTTER AUS  
EDELSTAHL A2****TECHNISCHE EIGENSCHAFTEN**

- A2 MUTTER AUS EDELSTAHL

**Datasheet****HAMMER HEAD SCREW****TECHNICAL SPECIFICATIONS**

- A2 STAINLESS STEEL SCREW TO BE USED ON FVP PROFILES -250/300/400

**VIS À TÊTE MARTEAU****CARACTÉRISTIQUES TECHNIQUES**

- VIS EN ACIER INOXYDABLE A2 À UTILISER SUR LES PROFILS FVP-250/300/400

**HAMMER KOPFSCHRAUBE****TECHNISCHE EIGENSCHAFTEN**

- A2-EDELSTAHL-SCHRAUBE ZUR VERWENDUNG AUF FVP-PROFILEN -250/300/400

**Datasheet****SELF-DRILLING SCREW  
WITH GASKET****TECHNICAL SPECIFICATIONS**

- A2 STAINLESS STEEL SCREW
- SUPPLIED COMPLETE WITH GASKET

**VIS AUTOPERCEUSE AVEC  
JOINT****CARACTÉRISTIQUES TECHNIQUES**

- VIS EN ACIER INOXYDABLE A2
- LIVRÉ COMPLET AVEC JOINT D'ÉTANCHEITÉ

**SELBSTBOHRENDE  
SCHRAUBE MIT DICHTUNG****TECHNISCHE EIGENSCHAFTEN**

- SCHRAUBE AUS EDELSTAHL A2
- KOMPLETT MIT DICHTUNG GELIEFERT

**Datasheet****HFTIE****TECHNICAL SPECIFICATIONS**

- MATERIAL: POLYAMIDE
- CLAMP MEASUREMENT 4.8 X 200 MM

**HFCOLLIER****CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : POLYAMIDE
- MESURE BRIDES 4,8 X 200 MM

**HFTIE****TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: POLYAMID
- KLAMMERABMESSUNG 4,8 X 200 MM

**Datasheet****BREAK MANDREL RIVET  
Ø 4X13****RIVET À TÊTE ÉTANCHE  
Ø 4X13****BRUCHDORN-NIET  
Ø 4X13****Datasheet**

ALUMINIUM RIVET WITH  
RUBBER GASKET Ø 5,2 X 19



RIVET EN ALUMINIUM AVEC  
JOINT EN CAOUTCHOUC  
Ø 5,2 X 19



ALUMINIUMNIET MIT  
GUMMIDICHTUNG Ø 5,2 X 19



Datasheet



CODE

DESCRIPTION

11111059 ALUMINIUM RIVET WITH RUBBER GASKET

INSULATING NYLON  
WASHER



**TECHNICAL SPECIFICATIONS**

- MATERIAL: NYLON
- DIMENSIONS: 8 X 30 - TH. 3 MM
- POSITIONED BETWEEN THE BRACKET AND ALUMINIUM PROFILE
- GUARANTEES ELECTRICAL INSULATION

RONDELLE ISOLANTE  
EN NYLON



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : NYLON
- DIMENSIONS : 8 X 30 - ÉP. 3 MM
- POSITIONNÉE ENTRE LA PATTE ET LE PROFILÉ EN ALUMINIUM
- GARANTIT L'ISOLATION ÉLECTRIQUE

ISOLIERENDE  
NYLON-UNTERLEGSCHEIBE



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: NYLON
- ABMESSUNGEN: 8 X 30 X ST. 3MM
- POSITIONIERT ZWISCHEN HALTERUNG UND ALUMINIUMPROFIL
- GARANTIERT ELEKTRISCHE ISOLIERUNG



Datasheet



CODE

DESCRIPTION

11111009 NYLON WASHER 8X30 TH.3 mm

HMFC SINGLE / DOUBLE CA-  
BLE CLAMPING CLIPS



**TECHNICAL SPECIFICATIONS**

- MATERIAL: GLASS-FILLED NYLON
- FOR FVP-400/300 PROFILES ELECTRIC

HMFC CLIPS SIMPLES/DOU-  
BLES SERRE-CÂBLES



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : NYLON CHARGÉ DE VERRE
- POUR LES PROFILÉS FVP-400/300 ÉLECTRIQUE

HMFC EINZEL-/DOPPELK-  
BELKLEMMEN



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: MIT GLAS GEFÜLLTES NYLON
- FÜR FVP-400/300-PROFILE ELEKTRISCH



Datasheet



CODE

DESCRIPTION

11111037 SINGLE CABLE CLAMP  
11111034 DOUBLE CABLE CLAMP

HMF CABLE CLAMP



**TECHNICAL SPECIFICATIONS**

- MATERIAL: POLYAMIDE

HMF CLIP SERRE-CÂBLE



**CARACTÉRISTIQUES TECHNIQUES**

- MATÉRIAU : POLYAMIDE

HMF KABELKLEMME



**TECHNISCHE EIGENSCHAFTEN**

- MATERIAL: POLYAMID



Datasheet



CODE

DESCRIPTION

11110741 CABLE CLAMP

THREADED BAR  
1 M INOX A2



**TECHNICAL SPECIFICATIONS**

- THREADED BAR L=1000 MM IN A2 STAINLESS STEEL

BARRE FILETÉE  
1 M INOX A2



**CARACTÉRISTIQUES TECHNIQUES**

- BARRE FILETÉE L=1000 MM EN ACIER INOXYDABLE A2

GEWINDESTANGE  
1 M INOX A2



**TECHNISCHE EIGENSCHAFTEN**

- GEWINDESTANGEN L=1000 MM AUS EDELSTAHL A2



Datasheet



CODE

DESCRIPTION

11110897	THREADED BAR M8
11110897BOX	THREADED BAR M8 - BOX 10pcs.
11110898	THREADED BAR M10
11110898BOX	THREADED BAR M10 - BOX 10pcs.
11110899	THREADED BAR M12
11110899BOX	THREADED BAR M12 - BOX 10pcs.

**ANTI-THEFT BALL****TECHNICAL SPECIFICATIONS**

- STAINLESS STEEL BALL
- POSITIONED IN THE HEXAGONAL SCREW SEAT, IT PREVENTS UNSCREWING

**BILLE ANTIVOL****CARACTÉRISTIQUES TECHNIQUES**

- BILLE EN ACIER
- POSITIONNÉE DANS LE SIÈGE DE LA VIS HEXAGONALE, ELLE EN EMPÈCHE LE DÉVISSAGE

**DIEBSTAHLSICHERUNGSKUGEL****TECHNISCHE EIGENSCHAFTEN**

- EDELSTAHLKUGEL
- IM SECHSKANT-SCHRAUBENSITZ POSITIONIERT, VERHINDERT ES EIN HERAUSDREHEN

**Datasheet****WOOD LAG SCREW****TECHNICAL SPECIFICATIONS**

- A2 STAINLESS STEEL SCREW

**TIGE FILETÉE POUR BOIS****CARACTÉRISTIQUES TECHNIQUES**

- VIS EN ACIER INOXYDABLE A2

**HOLZZUGSCHRAUBE****TECHNISCHE EIGENSCHAFTEN**

- SCHRAUBE AUS EDELSTAHL A2

**Datasheet****CODE****DESCRIPTION**

11110880

ANTI-THEFT BALL

**BI-ADHESIVE BUTYL SEALANT TAPE TH. 2 X 30****TECHNICAL SPECIFICATIONS**

- DOUBLE-SIDED ADHESIVE TAPE CONSISTING OF A BUTYL COMPOUND
- HIGHLY ADHESIVE AND REINFORCED WITH A POLYESTER MESH
- HIGH COLD ADHESIVENESS
- EXCELLENT HEAT STABILITY
- GREAT SHAPE STABILITY - SELF-MIXING
- EXCELLENT MECHANICAL CHARACTERISTICS
- THICKNESS: 2 MM
- ROLL LENGTH: 10 M

**RUBAN BUTYLIQUE D'ÉTANCHÉITÉ BIADHÉSIF ÉP. 2 X 30****CARACTÉRISTIQUES TECHNIQUES**

- BANDE ADHÉSIVE DOUBLE FACE CONSTITUÉE D'UN COMPOSÉ BUTYLIQUE
- TRÈS ADHÉSIF ET RENFORCÉ PAR UNE MAILLE EN POLYESTER
- HAUTE ADHÉSIVITÉ À FROID
- EXCELLENTE STABILITÉ À LA CHALEUR
- GRANDE STABILITÉ DE LA FORME - AUTO-AMALGAMATION
- EXCELLENTES CARACTÉRISTIQUES MÉCANIQUES
- ÉPAISSEUR : 2 MM
- LONGUEUR DU ROULEAU : 10 M

**DOPPELSEITIG KLEBENDES BUTYL-DICHTUNGSBAND ST. 2 X 30****TECHNISCHE EIGENSCHAFTEN**

- DOPPELSEITIGES KLEBEband BESTEHEND AUS EINER BUTYLVERBINDUNG
- STARK HAFTEND UND MIT EINEM POLYESTERNETZ VERSTÄRKKT
- HOHE KALTHAFTFÄHIGKEIT
- AUSGEZEICHNETE WÄRMESTABILITÄT
- HOHE FORMSTABILITÄT - SELBSTMISCHEND
- AUSGEZEICHNETE MECHANISCHE EIGENSCHAFTEN
- STARKE: 2MM
- ROLLENLÄNGE: 10 M

**CODE****DESCRIPTION****WIDTH [mm]****LENGTH [mt]**

11111002

BUTYL TAPE 30 x 2mm

30

10

**11111002BOX**

BUTYL TAPE 30x2mm - BOX 6pcs.

30

10

**Datasheet****BI-ADHESIVE BUTYL SEALANT TAPE TH. 1 X 20****TECHNICAL SPECIFICATIONS**

- DOUBLE-SIDED ADHESIVE TAPE CONSISTING OF A BUTYL COMPOUND
- HIGHLY ADHESIVE AND REINFORCED WITH A POLYESTER MESH
- HIGH COLD ADHESIVENESS
- EXCELLENT HEAT STABILITY
- GREAT SHAPE STABILITY - SELF-MIXING
- EXCELLENT MECHANICAL CHARACTERISTICS
- THICKNESS: 1MM
- ROLL LENGTH: 15 M

**RUBAN BUTYLIQUE D'ÉTANCHÉITÉ BIADHÉSIF ÉP. 1 X 20****CARACTÉRISTIQUES TECHNIQUES**

- BANDE ADHÉSIVE DOUBLE FACE CONSTITUÉE D'UN COMPOSÉ BUTYLIQUE
- TRÈS ADHÉSIF ET RENFORCÉ PAR UNE MAILLE EN POLYESTER
- HAUTE ADHÉSIVITÉ À FROID
- EXCELLENTE STABILITÉ À LA CHALEUR
- GRANDE STABILITÉ DE LA FORME - AUTO-AMALGAMATION
- EXCELLENTES CARACTÉRISTIQUES MÉCANIQUES
- ÉPAISSEUR : 1 MM
- LONGUEUR DU ROULEAU : 15 M

**DOPPELSEITIG KLEBENDES BUTYL-DICHTUNGSBAND ST. 1 X 20****TECHNISCHE EIGENSCHAFTEN**

- DOPPELSEITIGES KLEBEband BESTEHEND AUS EINER BUTYLVERBINDUNG
- STARK HAFTEND UND MIT EINEM POLYESTERNETZ VERSTÄRKKT
- HOHE KALTHAFTFÄHIGKEIT
- AUSGEZEICHNETE WÄRMESTABILITÄT
- HOHE FORMSTABILITÄT - SELBSTMISCHEND
- AUSGEZEICHNETE MECHANISCHE EIGENSCHAFTEN
- STARKE: 1MM
- ROLLENLÄNGE: 15 M

**CODE****DESCRIPTION****WIDTH [mm]****LENGTH [mt]**

FVC600001

BUTYL TAPE 20 x 1mm

20

15

**Datasheet**

**BLACK NEOPRENE  
ADHESIVE STRIP TH. 3 X 100****TECHNICAL SPECIFICATIONS**

- ANTI-UVA ADHESIVE NEOPRENE
- CL1 BLACK COLOUR
- THICKNESS 3 MM.
- ROLL LENGTH: 10 M

**BANDE ADHÉSIVE EN  
NÉOPRÈNE NOIR ÉP. 3 X 100****CARACTÉRISTIQUES TECHNIQUES**

- NÉOPRÈNE ADHÉSIF ANTI-UVA
- CL1 NOIR
- ÉPAISSEUR 3 MM
- LONGUEUR DU ROULEAU : 10 M

**SCHWARZER NEOPREN-  
KLEBESTREIFEN TH. 3 X 100****TECHNISCHE EIGENSCHAFTEN**

- ANTI-UVA-KLEBE-NEOPREN
- CL1 SCHWARZE FARBE
- STÄRKE 3 MM
- ROLLENLÄNGE: 10 M

**Datasheet**

CODE	DESCRIPTION	WIDTH [mm]	LENGTH [m]
11128006	BLACK NEOPRENE ADHESIVE STRIP	100	10

**BLACK NEOPRENE  
ADHESIVE STRIP TH. 3 X 50****TECHNICAL SPECIFICATIONS**

- ANTI-UVA ADHESIVE NEOPRENE
- CL1 BLACK COLOUR
- THICKNESS 3 MM.
- ROLL LENGTH: 10 M

**BANDE ADHÉSIVE EN  
NÉOPRÈNE NOIR ÉP. 3 X 50****CARACTÉRISTIQUES TECHNIQUES**

- NÉOPRÈNE ADHÉSIF ANTI-UVA
- CL1 NOIR
- ÉPAISSEUR 3 MM
- LONGUEUR DU ROULEAU : 10 M

**SCHWARZER NEOPREN-  
KLEBESTREIFEN TH. 3 X 50****TECHNISCHE EIGENSCHAFTEN**

- ANTI-UVA-KLEBE-NEOPREN
- CL1 SCHWARZE FARBE
- STÄRKE 3 MM
- ROLLENLÄNGE: 10 M

**Datasheet**

CODE	DESCRIPTION	WIDTH [mm]	LENGTH [m]
11128005	BLACK NEOPRENE ADHESIVE STRIP	50	10

**ADHESIVE STRIP IN EPDM****TECHNICAL SPECIFICATIONS**

- THICKNESS: 3MM
- COMPOSITION: EPDM
- COLOUR: BLACK
- CELL STRUCTURE: CLOSED
- SHORE HARDNESS 00 (ASTM D 2240): 30 ± 5
- DENSITY (ISO 845-88-ASTM D 3575): 100 ± 20 KG/M3
- WATER ABSORPTION (ASTM D 1056): 4,3%
- CONSTANT TEMPERATURE RANGE (ASTM D 3575): -20°C + 120°C

**BANDE ADHÉSIVE EN EPDM****CARACTÉRISTIQUES TECHNIQUES**

- ÉPAISSEUR : 3 MM
- COMPOSITION : EPDM
- COULEUR : NOIR
- STRUCTURE CELLULAIRE : FERMÉE
- DURETÉ SHORE 00 (ASTM D 2240) : 30 ± 5
- DENSITÉ (ISO 845-88-ASTM D 3575) : 100 ± 20 KG/M3
- ABSORPTION D'EAU (ASTM D 1056) : 4,3%
- PLAGE DE TEMPÉRATURE CONSTANTE (ASTM D 3575) : -20°C À 120°C

**KLEEBAND AUS EPDM****TECHNISCHE EIGENSCHAFTEN**

- STÄRKE: 3MM
- ZUSAMMENSETZUNG: EPDM
- FARBE: SCHWARZ
- ZELLSTRUKTUR: GESCHLOSSEN
- SHORE-HÄRTE 00 (ASTM D 2240): 30 ± 5
- DICHTE (ISO 845-88-ASTM D 3575): 100 ± 20 KG/M3
- WASSERAUFAHNME (ASTM D 1056): 4,3 %
- KONSTANTER TEMPERATURBEREICH (ASTM D 3575): -20°C + 120°C

**Datasheet**

CODE	DESCRIPTION	WIDTH [mm]	LENGTH [m]
FVC600002	ADHESIVE STRIP IN EPDM	30	10



## BI-ADHESIVE BUTYL SEALANT TAPE TH. 2 X 60



### TECHNICAL SPECIFICATIONS

- DOUBLE-SIDED ADHESIVE TAPE CONSISTING OF A BUTYL COMPOUND
- HIGHLY ADHESIVE AND REINFORCED WITH A POLYESTER MESH
- HIGH COLD ADHESIVENESS
- EXCELLENT HEAT STABILITY
- GREAT SHAPE STABILITY - SELF-MIXING
- EXCELLENT MECHANICAL CHARACTERISTICS
- THICKNESS: 2MM
- ROLL LENGTH: 10 M

## RUBAN BUTYLIQUE D'ÉTANCHÉITÉ BIADHÉSIF EP. 2 X 60



### CARACTÉRISTIQUES TECHNIQUES

- BANDE ADHÉSIVE DOUBLE FACE CONSTITUÉE D'UN COMPOSÉ BUTYLIQUE
- TRÈS ADHÉSIF ET RENFORCÉ PAR UNE MAILLE EN POLYESTER
- HAUTE ADHÉSIVITÉ À FROID
- EXCELLENTE STABILITÉ À LA CHALEUR
- GRANDE STABILITÉ DE LA FORME - AUTO-AMALGAMATION
- EXCELLENTE CARACTÉRISTIQUES MÉCANIQUES
- ÉPAISSEUR : 2MM
- LONGUEUR DU ROULEAU : 10 M

## DOPPELSEITIG KLEBENDES BUTYL-DICHTUNGSBAND ST. 2 X 60



### TECHNISCHE EIGENSCHAFTEN

- DOPPELSEITIGES KLEBEband BESTEHEND AUS EINER BUTYLVERBINDUNG
- STARK HAFTEND UND MIT EINEM POLYESTERNETZ VERSTÄRKT
- HOHE KALTHAFTFÄHIGKEIT
- AUSGEZEICHNETE WÄRMESTABILITÄT
- HOHE FORMSTABILITÄT - SELBSTMISCHEND
- AUSGEZEICHNETE MECHANISCHE EIGENSCHAFTEN
- STÄRKE: 2 MM
- ROLLENLÄNGE: 10 M

CODE	DESCRIPTION	WIDTH [mm]	LENGTH [m]
11111003	BUTYL TAPE	60	10
11111003BOX	BUTYL TAPE - BOX 3pcs.	60	10

Datasheet



## BUTYL SEALANT TAPE WITH ALUMINIUM FOIL TH. 0.6 X 50



### TECHNICAL SPECIFICATIONS

- SELF-ADHESIVE SEALANT TAPE IN A BUTYL COMPOUND PROTECTED BY ALUMINUM FOIL
- WATERPROOF AND SELF-SEALING
- COLD-APPLICABLE
- EXCELLENT HEAT STABILITY
- GOOD ADHESION EVEN AT LOW TEMPERATURES
- UV RESISTANT
- THICKNESS: 0.6MM
- ROLL LENGTH: 10 M

## RUBAN BUTYLIQUE D'ÉTANCHÉITÉ AVEC UNE FEUILLE D'ALUMINIUM ÉP. 0,6 X 50



### CARACTÉRISTIQUES TECHNIQUES

- RUBAN AUTOCOLLANT D'ISOLATION COMPOSÉ DE
- UN COMPOSÉ DE BUTYLE PROTÉGÉ PAR UNE FEUILLE D'ALUMINIUM
- IMPERMÉABLE ET AUTO-ISOLANT
- APPLICABLE À FROID
- EXCELLENTE STABILITÉ À LA CHALEUR
- BONNE ADHÉRENCE MÊME À BASSES TEMPÉRATURES
- RÉSISTANT AUX RAYONS UV
- ÉPAISSEUR : 0,6 MM
- LONGUEUR DU ROULEAU : 10 M

## BUTYL-DICHTUNGSBAND MIT ALUMINIUMFOLIE ST. 0,6 X 50



### TECHNISCHE EIGENSCHAFTEN

- SELBSTKLEBENDES DICHTUNGSBAND AUS BUTYLVERBINDUNG, GE SCHÜTZT DURCH ALUMINIUMFOLIE
- WASSERDICHT UND SELBSTDICHTEND
- KALTANWENDBAR
- AUSGEZEICHNETE WÄRMESTABILITÄT
- GUTE HAFTUNG AUCH BEI NIEDRIGEN TEMPERATUREN
- UV-BESTÄNDIG
- STÄRKE: 0,6MM
- ROLLENLÄNGE: 10 M

CODE	DESCRIPTION	WIDTH [mm]	LENGTH [m]
11111004	BUTYL SEALING TAPE WITH ALUMINIUM FOIL	50	10
11111004BOX	BUTYL SEALING TAPE WITH ALUMINIUM FOIL - BOX 24pcs.	50	10

Datasheet



## BITUMINOUS ELASTOPLASTIC MASTIC IN CARTRIDGE



### TECHNICAL SPECIFICATIONS

- BITUMINOUS AND RESIN-BASED ELASTOPLASTIC PUTTY IN CARTRIDGE
- COLD-APPLICABLE, READY-TO-USE ELASTOMERIC
- COLD-APPLICABLE WITHOUT A FLAME
- GOOD PUNCTURE RESISTANCE
- NON-SLIP FOR SLOPING INSTALLATIONS

## MASTIC ÉLASTOPLASTIQUE BITUMINEUX EN CARTOUCHES



### CARACTÉRISTIQUES TECHNIQUES

- MASTIC ÉLASTOPLASTIQUE À BASE DE BITUME ET DE RÉSINE EN CARTOUCHE
- ÉLASTOMÈRE PRÊT À L'EMPLOI, APPLICABLE À FROID
- APPLICATION À FROID SANS FLAMME
- BONNE RÉSISTANCE À LA PERFORATION
- ANTI DÉRAPANT POUR LES POSITIONS INCLINÉES

## BITUMINÖSER ELASTOPLASTISCHER KITT IN KARTUSCHE



### TECHNISCHE EIGENSCHAFTEN

- BITUMEN- UND HARZBASIERTER ELASTOPLASTISCHER KITT IN KARTUSCHE
- KALT VERARBEITBARE, GEBRAUCHSFERTIGE ELASTOMERE
- KALT ANWENDBAR OHNE FLAMME
- GUTE DURCHSTOSSFESTIGKEIT
- RUTSCHFEST FÜR SCHRÄGE INSTALLATIONEN

### BITUMINOUS SILICONE

CODE	DESCRIPTION	CAPACITY [ml]
11111008	BITUMINOUS ELASTOPLASTIC PUTTY IN CARTRIDGE	310
11111008BOX	BITUMINOUS ELASTOPLASTIC PUTTY IN CARTRIDGE - BOX 12pcs.	310

Datasheet



## CONNECTOR FOR PHOTOVOLTAIC MODULES



### TECHNICAL SPECIFICATIONS

- OPERATING TEMPERATURE: FROM -40°C TO +85°C
- PROTECTION CLASS: III
- DEGREE OF PROTECTION: IP68
- TEMPERATURE OPERATING LIMIT: +125°C
- SYSTEM VOLTAGE: UPTO 1000 V DC
- RATED CURRENT: UPTO 25 A
- RATED VOLTAGE: 8KV
- APPLICATION CLASS: A

## CONNECTEUR POUR MODULES PHOTOVOLTAÏQUES

### CARACTÉRISTIQUES TECHNIQUES

- TEMPÉRATURE DE FONCTIONNEMENT: DE -40°C À +85°C
- CLASSE DE PROTECTION : III.
- DEGRÉ DE PROTECTION : IP68
- LIMITE DE TEMPÉRATURE D'UTILISATION : +125°C
- TENSION DU SYSTÈME : JUSQU'À 1 000 V/CC
- COURANT NOMINAL : JUSQU'À 25 A
- TENSION NOMINALE : 8 KV
- CLASSE D'APPLICATION : A

## VERBINDER FÜR PHOTOVOLTAIKMODULE



### TECHNISCHE EIGENSCHAFTEN

- BETRIEBSSTEMPERATUR: VON -40°C BIS +85°C
- SCHUTZKLASSE: III
- STÄRKE DES SCHUTZES: IP68
- TEMPERATUR-BETRIEBSGRENZE: +125°C
- SYSTEMSPANNUNG: BIS ZU 1000 VDC
- NENNSTROM: BIS ZU 25 A
- NENNSPANNUNG: 8KV
- AMINWENDUNGSKLASSE: A

CODE	DESCRIPTION
11111056	MALE-FEMALE CONNECTOR 4-6 mm2
11111056BOX	MALE-FEMALE CONNECTOR 4-6 mm2 - BOX 50pcs.



Datasheet



## TOOL FOR CONNECTOR



## OUTIL POUR CONNECTEUR



## WERKZEUG FÜR VERBINDER



### EXAMPLE USED:



Datasheet



CODE	DESCRIPTION
11111057	TOOL FOR MALE-FEMALE CONNECTOR 4-6 mm2

## EASY CLEANER PROFESSIONAL PHOTOVOLTAIC PANEL DETERGENT, 500 ML WITH SPRAY TRIGGER



## EASYCLEANER NETTOYANT PROFESSIONNEL POUR PANNEAUX PHOTOVOLTAÏQUES 500 ML AVEC GÂCHETTE DE VAPORISATION



## EASYCLEANER PROFESSIONELLES PHOTOVOLTAIK-MODULREINIGUNGSMITTEL, 500 ML MIT SPRÜHAUSLÖSER



The efficiency of photovoltaic systems decreases over time also due to dust, crystallised organic residues, smog, moss and bird droppings that **accumulate on the surface of the photovoltaic panel**.

Using the detergent increases the efficiency of the system making the annual production of energy constant. The product does not cause any damage to the environment since it is biodegradable, and does not damage the surface and frame of the panel.

It can be used on all types of photovoltaic modules with glass or synthetic material coating, including the normal or anodised aluminium frame.

Datasheet



## FAST CLEANER PROFESSIONAL DETERGENT FOR PHOTOVOLTAIC PANELS CANISTER 5 L.



## FAST CLEANER DÉTERGENT PROFESSIONNEL POUR PANNEAUX PHOTOVOLTAÏQUES EN BIDON DE 5 L.



## FAST CLEANER PROFESSIONNELLES REINIGUNGSMITTEL FÜR PHOTOVOLTAIKMODULE KANISTER 5 L.



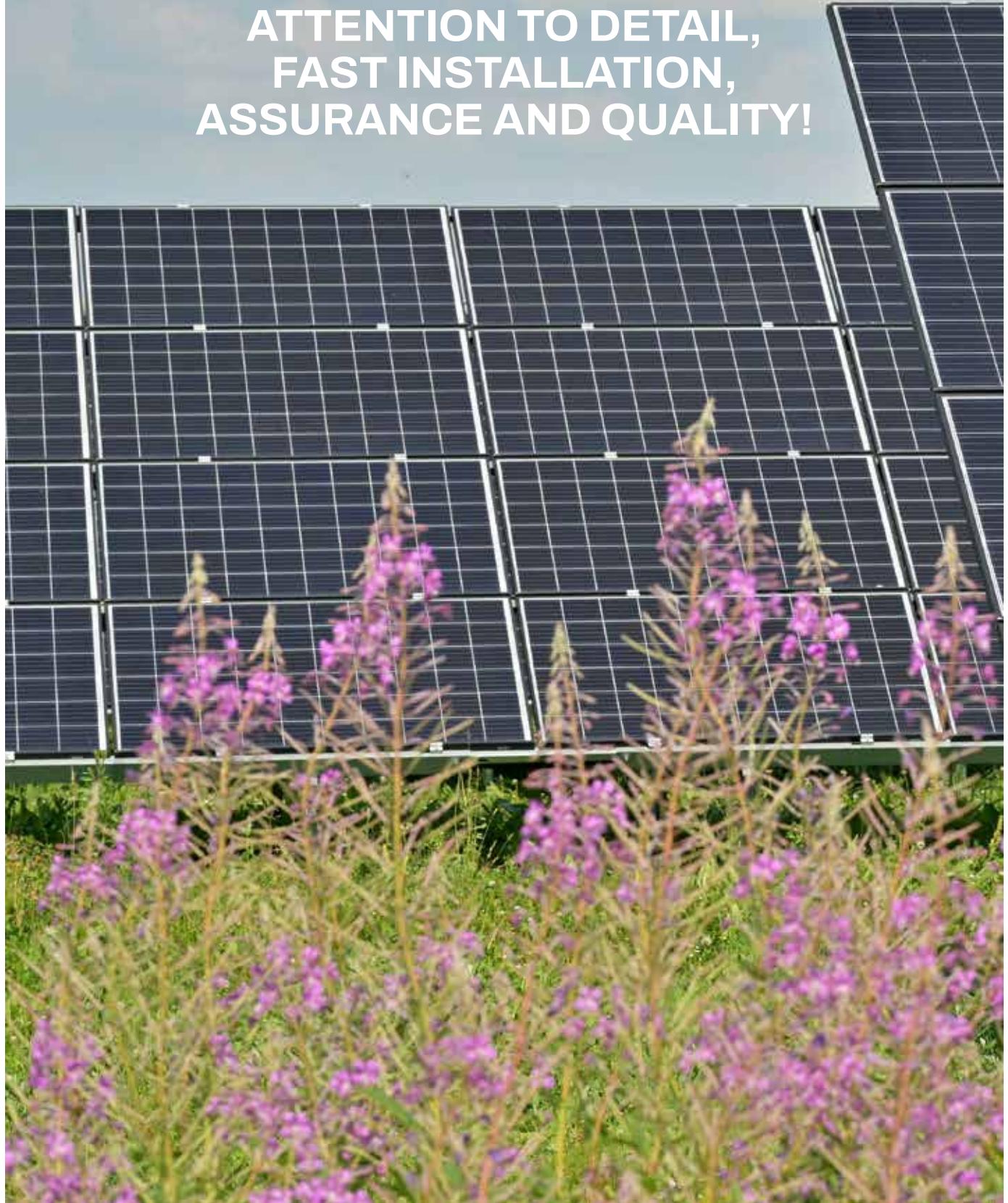
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CODE	DESCRIPTION
11111055	DETERGENT FOR PHOTOVOLTAIC PANELS CANISTER 5 L.



**ATTENTION TO DETAIL,  
FAST INSTALLATION,  
ASSURANCE AND QUALITY!**



F V P O W E R

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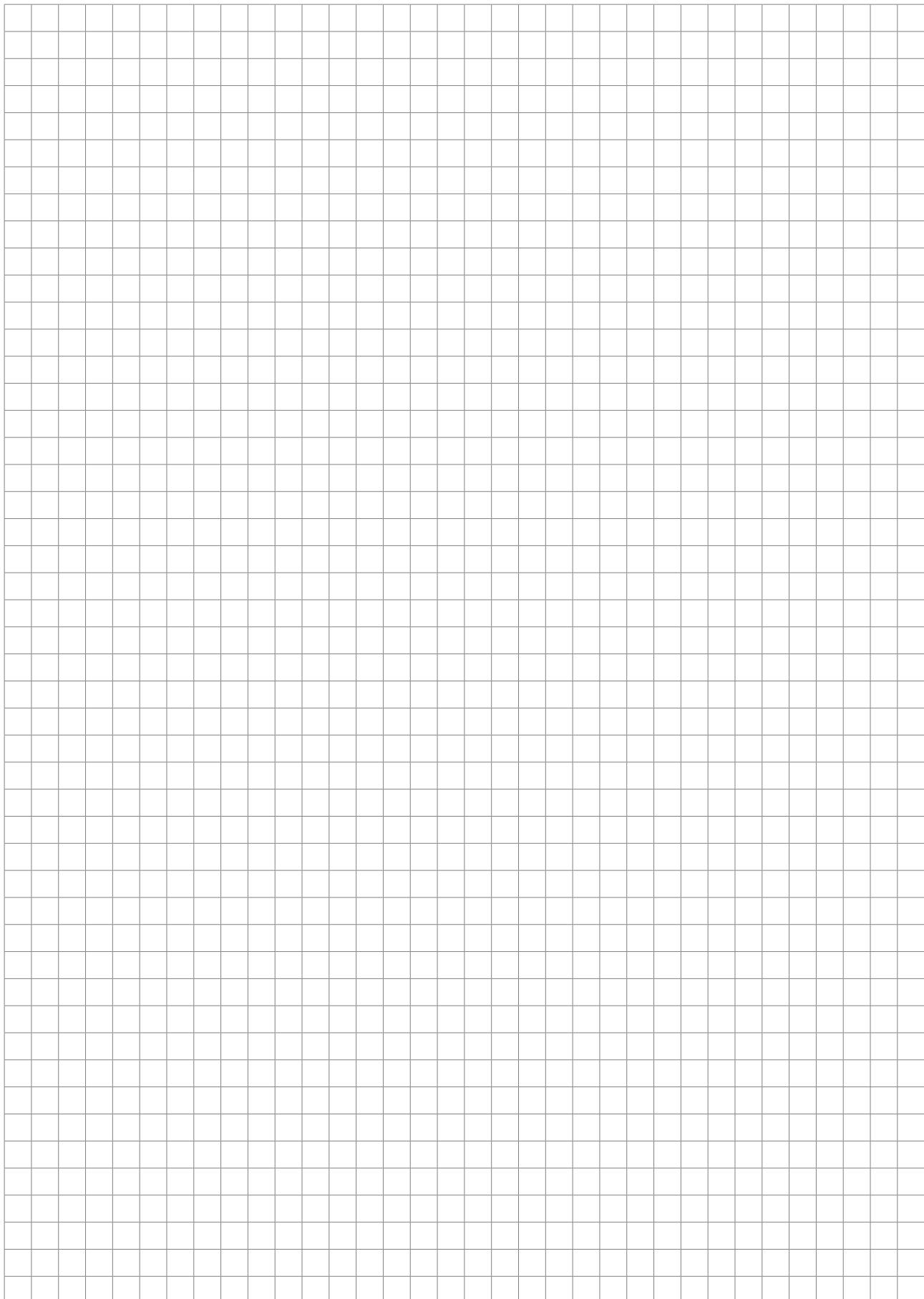
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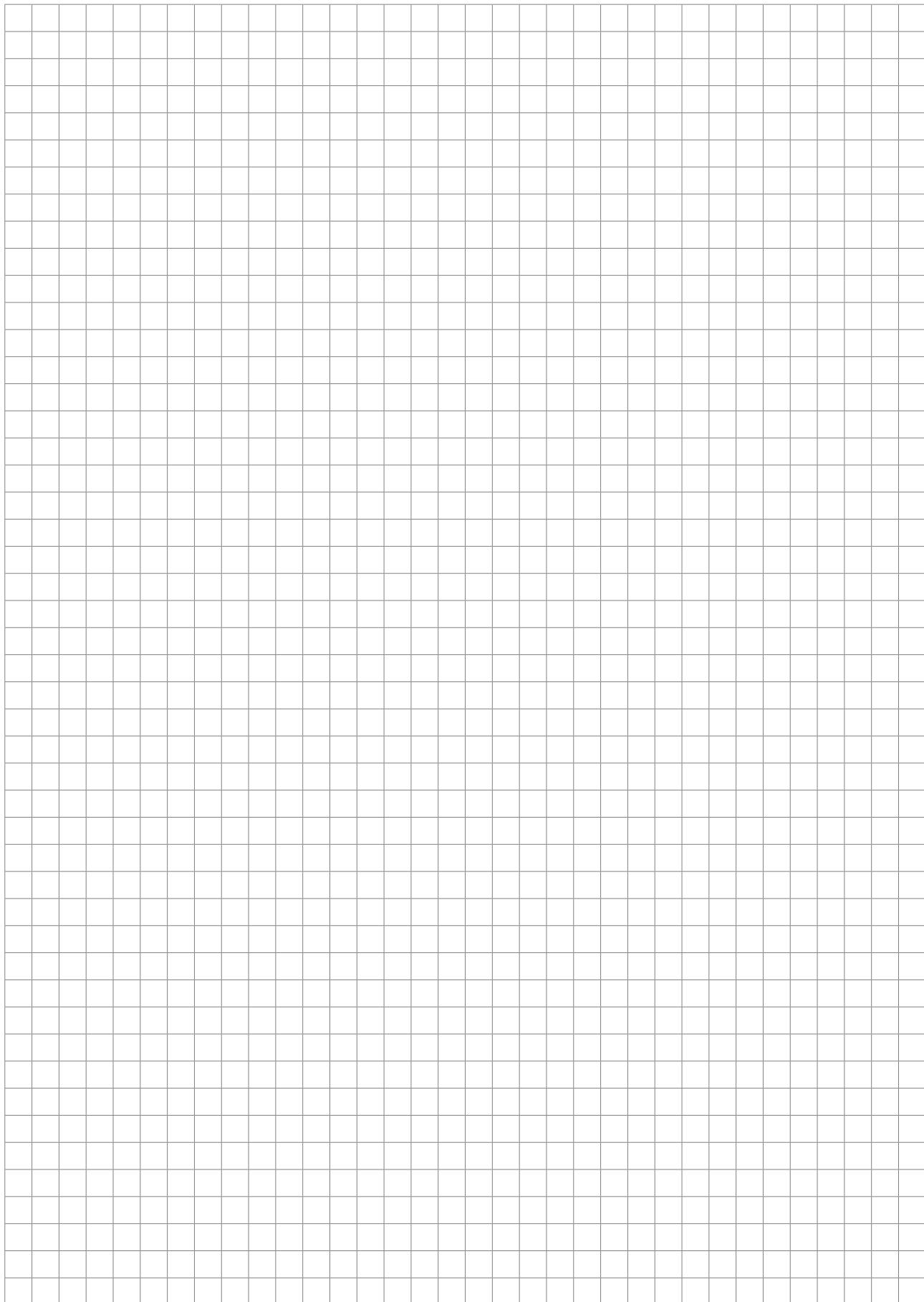
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