



HUAWEI SOLAR[®]

**PRODUCT
CATALOGUE
2023**



WELCOME..

TO OUR 2023 PRODUCT CATALOG



TABLE OF CONTENT

GROUND SOLUTIONS

.....

FENCE

.....

GROUND SCREW

.....

CARPORT

.....

ROOF SOLUTIONS

.....

FLOATING SOLUTIONS

.....

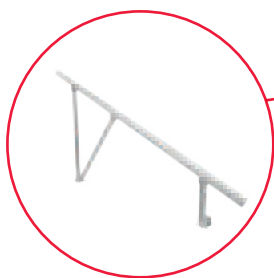
PROJECT

.....

GROUND SOLUTIONS



Rails



Pre-Assembled Supports

GROUND MOUNT SYSTEMS

The Ground Mount System is designed for medium to large scale project installation. The most appropriate ground mount for any outdoor site depends on project size, engineering considerations, mounting surface material, soil conditions and ground topography, so HUAWEI offers a diverse range of ground mounting systems to ensure a solution is available for every application, location and environment.

Each system is designed for simple installation, durability, cost-effectiveness and flexibility in design and installation.



**PRODUCT
WARRANTY**



**FAST & EASY
INSTALLATION**



**COST EFFECTIVE
SOLUTIONS**



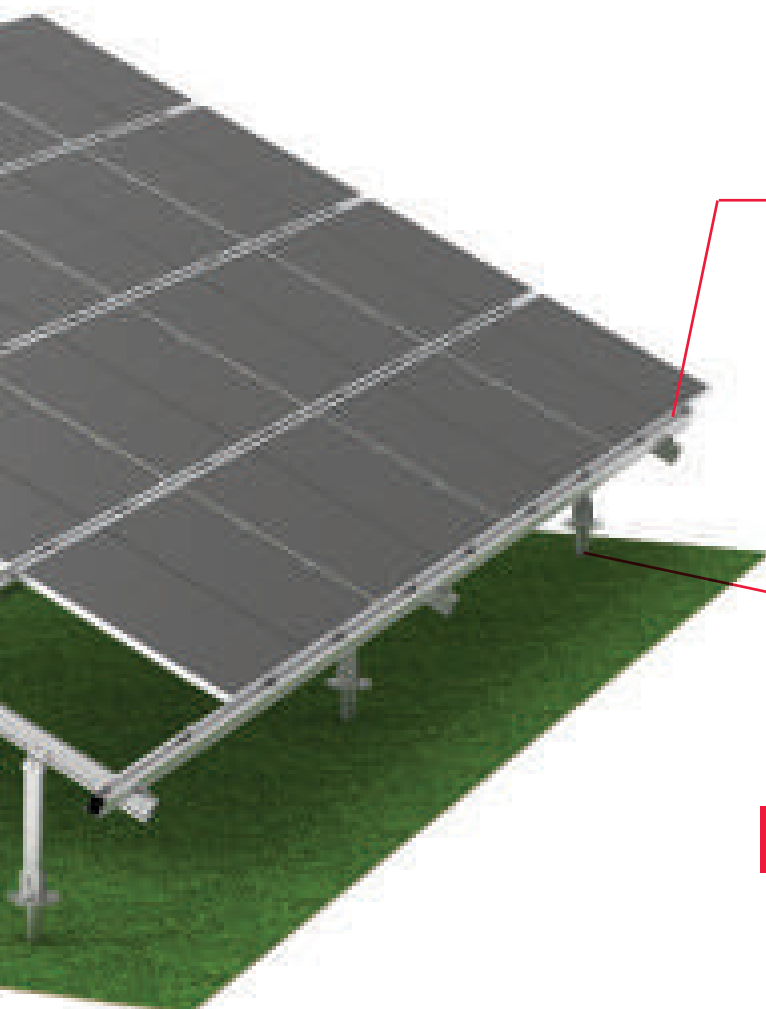
**20 YEARS
LIFETIME SERVICE**



**FULL SYSTEM
CERTIFICATION**



**ADAPT TO
EXTREME WEATHER**



Module Components



Ground Screws



Concrete Foundation

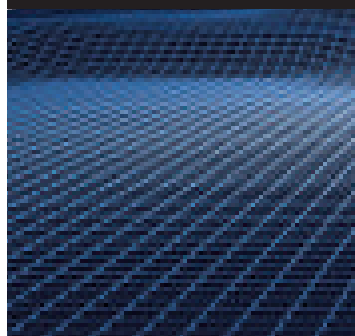
N

STRUCTURE



Application Terrain and Environment

- The ground is nearly flat
- The ground has a slope, and the angle of the slope is almost the same

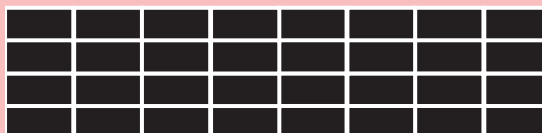


N TYPE SOLAR GROUND SYSTEM

Pre-assembled, durable ground mount frame designed for standard environmental conditions

TECHNICAL DATA

Foundation Type	Ground Screws	Cement
Engineering Condition	Small number of rows, small installation angle, small load arrangement.	
Ideal Layout	Both long and short.	



3-4 Rows x Columns

SUPPORT

W



W TYPE SOLAR GROUND SYSTEM

Pre-assembled, extra durable ground mount frame designed for harsh environmental conditions

TECHNICAL DATA

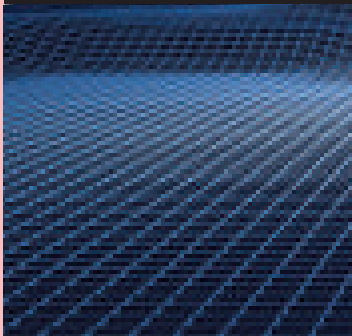
Foundation Type	Ground Screws	Cement
Engineering Condition	Large number of rows, large installation angle, large load arrangement.	
Ideal Layout	Both long and short.	



4-5 Rows x Columns

Application Terrain and Environment

- The ground is nearly flat
- The ground has a slope, and the angle of the slope is almost the same



Y

STRUCTURE



Application Terrain and Environment

- The ground is nearly flat - In this terrain
- Irregular terrain, uneven slopes in the east, west, south and north directions.

Y TYPE SOLAR GROUND SYSTEM

Pre-assembled, constructed from either carbon-steel and aluminum or full carbon-steel.

TECHNICAL DATA

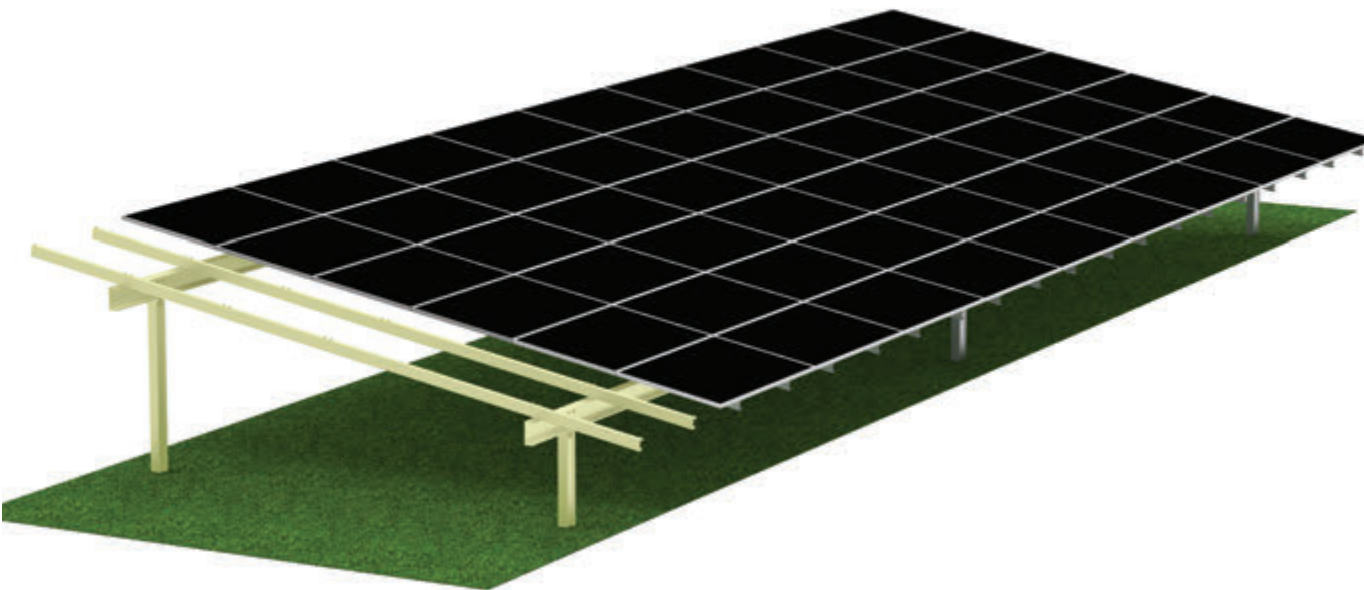
Foundation Type	Ramming Pile Cement Steel Pipe inserted into cement
Engineering Condition	For structural reasons, the span is smaller than the N/W type support under the same conditions; Because it's a single pole, the length of the longitudinal beams limits the number of rows.
Ideal Layout	Both long and short.



Rows x Columns

SUPPORT

C



C TYPE SOLAR GROUND SYSTEM

Material corrosion resistance; Production process a molding; the cut surface is self-healing

TECHNICAL DATA

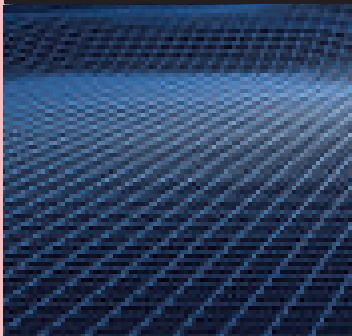
Foundation Type	Ramming Pile	Cement
Engineering Condition	The number of rows and installation angle are flexible, and the structure type can be changed according to the wind and snow load	
Ideal Layout	Both long and short.	



4-5 Rows x Columns

Application Terrain and Environment

- The ground is nearly flat
- The ground has a slope, and the angle of the slope is almost the same



F

STRUCTURE



Application Terrain and Environment

- The ground is nearly flat - In this terrain



LANDSCAPE
ONLY

F TYPE FARM SHED

TECHNICAL DATA

Foundation Type	Cement	Ground Screw
Engineering Condition	The conventional installation angle is 5 ° to 20°, and other configurations are required	
Characteristic	1. The foundation is hot-dip galvanized ground screw, the support is aluminum, beautiful and durable.	
	2. Pre-installed components are easy to install on site.	
	3. There is a high height, north-south and east-west direction has a large enough span to ensure that agricultural machinery in and out of the site operation unimpeded.	
	4. Reasonable panel layout ensures reasonable crop sunshine demand.	
	5. East, west, north and south direction have cross rail, stable and reliable.	
Ideal Layout	Both long and short	

SUPPORT

P

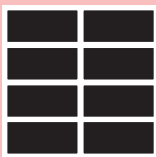


P TYPE SOLAR POLE SYSTEM

Pre-assembled, durable ground mount frame designed flexibility installs and utility

TECHNICAL DATA

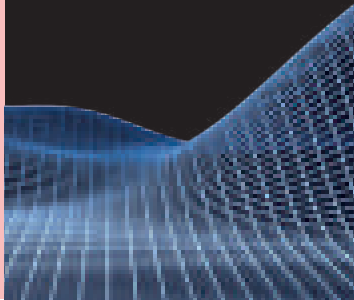
Foundation Type	Ramming Pile Cement Steel Pipe inserted into cement
Engineering Condition	Adjustable installation angle, fixed number of modules.
Ideal Layout	Only for short arrays, such as 2, 4, 6, 8, 10, 12 -piece modules.



2, 4, 6, 8 panels

Application Terrain and Environment

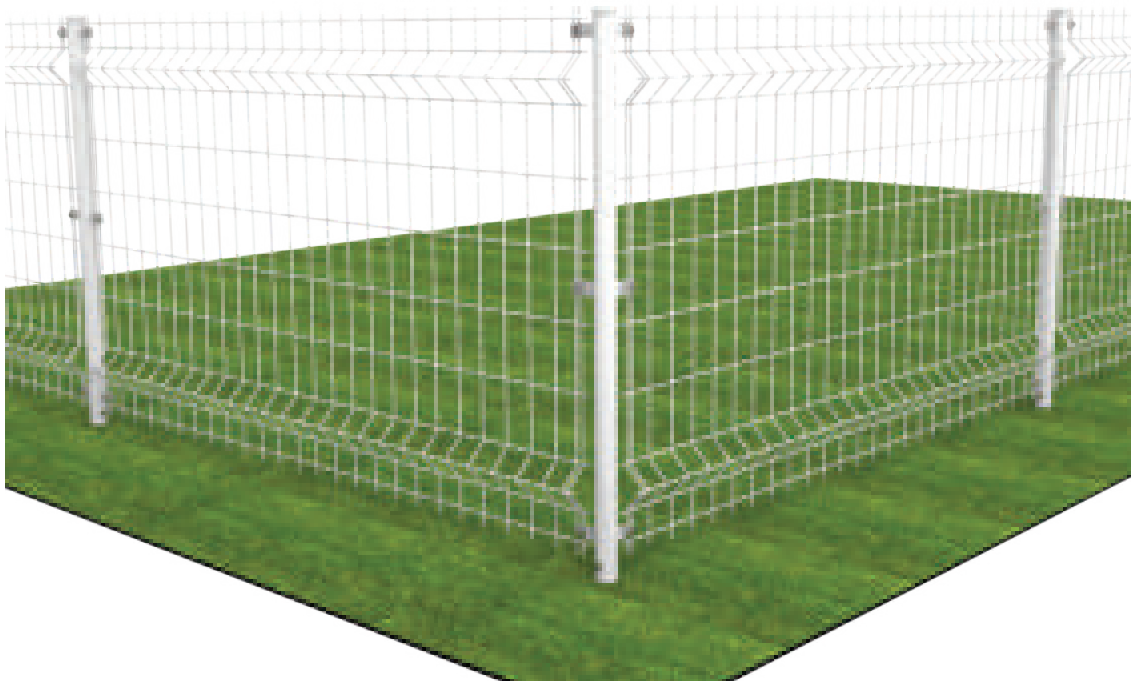
- Irregular terrain, uneven slopes in the east, west, south and north directions
- The ground space is limited, and small areas can also be installed such as houses and gardens.



FENCE



FENCE



FENCE

TECHNICAL DATA

Foundation Type	Ramming Pile Cement Ground screw
Applications	Factories, warehouses, buildings and public utility facilities, such as schools, sports fields and sports stadiums, play-grounds, as well as private premises.
Colors	Polyester coated green, red, yellow, white, etc.

ADVANTAGES

- 1 THE NECESSITY OF SETTING UP THE PROTECTIVE FENCE
- 2 STANDARDIZATION DESIGN FOR PARTS, APPLICABLE TO ALL TYPES OF FIELD FIXATION
- 3 SOLAR POWER FENCING WITH CONCRETE ELECTRIC FENCE WIRE ECONOMY, HIGH QUALITY, SIMPLE CONSTRUCTION
- 4 NATIONAL LAWS AND REGULATIONS DEFINITE IT MUST BE SET UP PREVENT PV POWER STATION SYSTEM FROM BEING STOLEN
- 5 TO PREVENT THE DESTRUCTION OF CHILDREN AND ANIMALS

GROUND SCREW



HU-GS-A10-0000



HU-GS-A20-0000



HU-GS-A40-0000



HU-GS-A30-0000

GROUND SCREW

Ground screw is specially designed for solar ground mounting installation which can support whole solar station systems. This ground screw is good alternative for traditional wooden or concrete base where requires a solid footing. It can wild applied for different hard and stony soil or sand area. Our ground screw system has had with strictly test from wind loads and lateral pull, to horizontal load and lift.

Besides ground screw works as foundation systems for ground mounts, it's also suitable for carport, fence, wood house and flag poles ...



**PRODUCT
WARRANTY**



**FAST & EASY
INSTALLATION**



**COST EFFECTIVE
SOLUTIONS**



**20 YEARS
LIFETIME SERVICE**

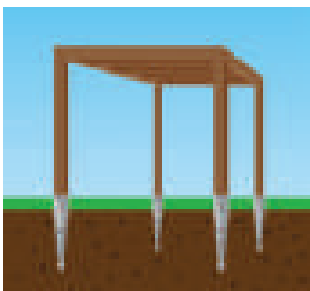


**FULL SYSTEM
CERTIFICATION**

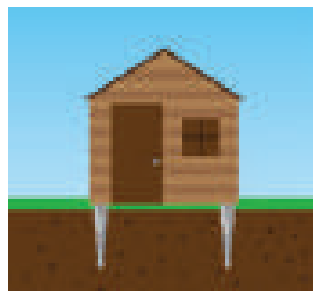


**ADAPT TO
EXTREME WEATHER**

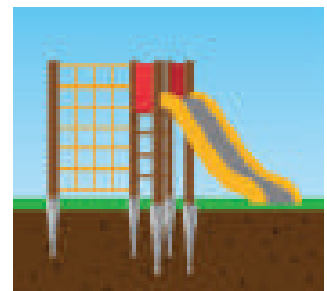
APPLICATIONS



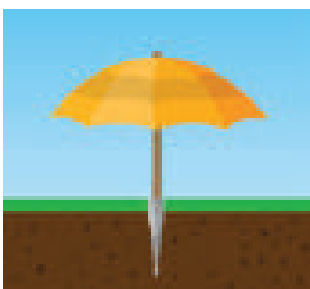
Pergola



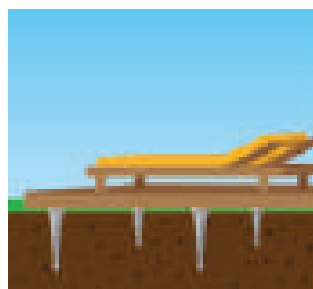
Shed/Greenhouse



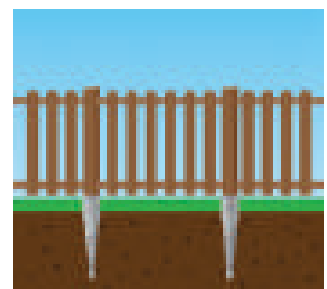
Playground equipment



Umbrellas

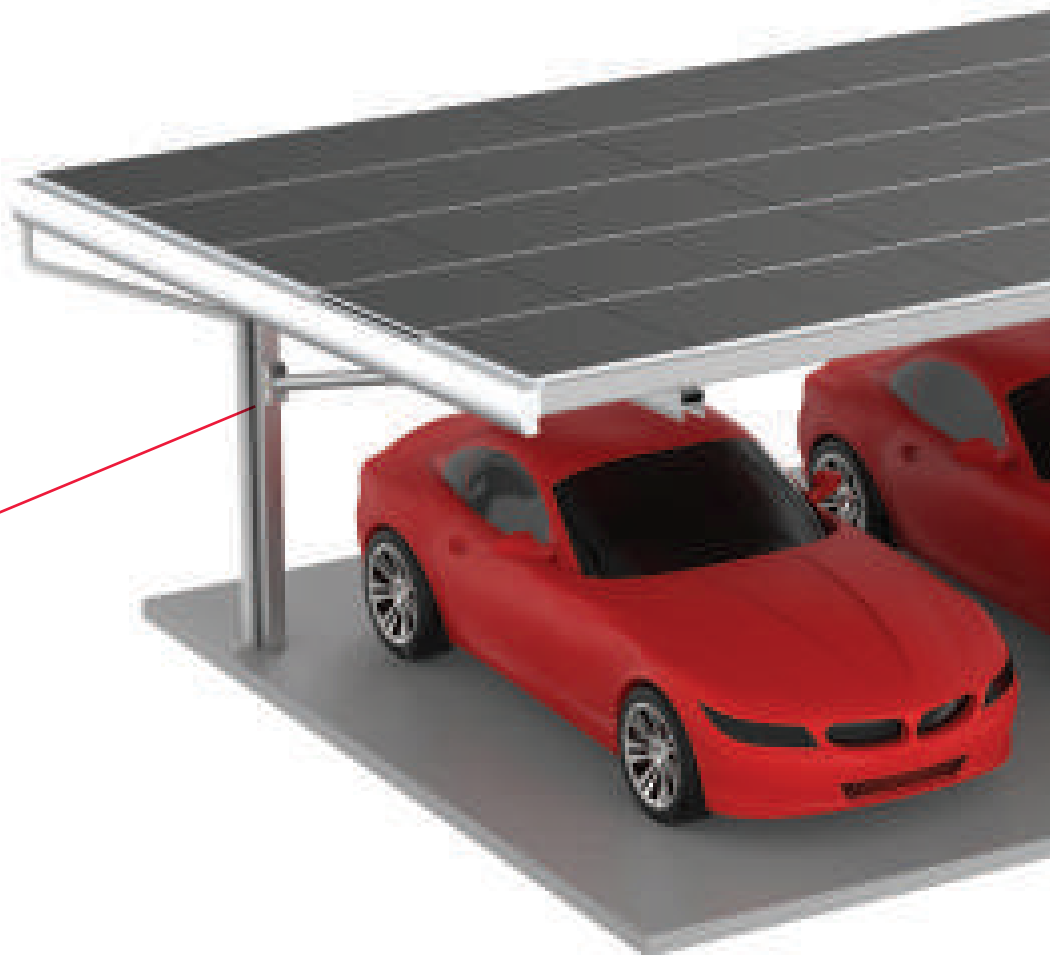


Decks



Fence

CARPORT



Pre-Assembled Supports

CARPORT SYSTEMS

The Carport Ground Mounting System is engineered and designed with robust and swiftness in mind enabling it to endure the harshest of all conditions, such as heavy rain, wind and snow. The system structure supports are packed pre-assembled and has been developed to accommodate a wide range of photovoltaic modules. Each and every Carport System will be designed and customized towards your needs and specifications, whether it be for large scale commercial applications or down to a residential double carpark port, we'll have a solution for you.



**PRODUCT
WARRANTY**



**FAST & EASY
INSTALLATION**



**COST EFFECTIVE
SOLUTIONS**



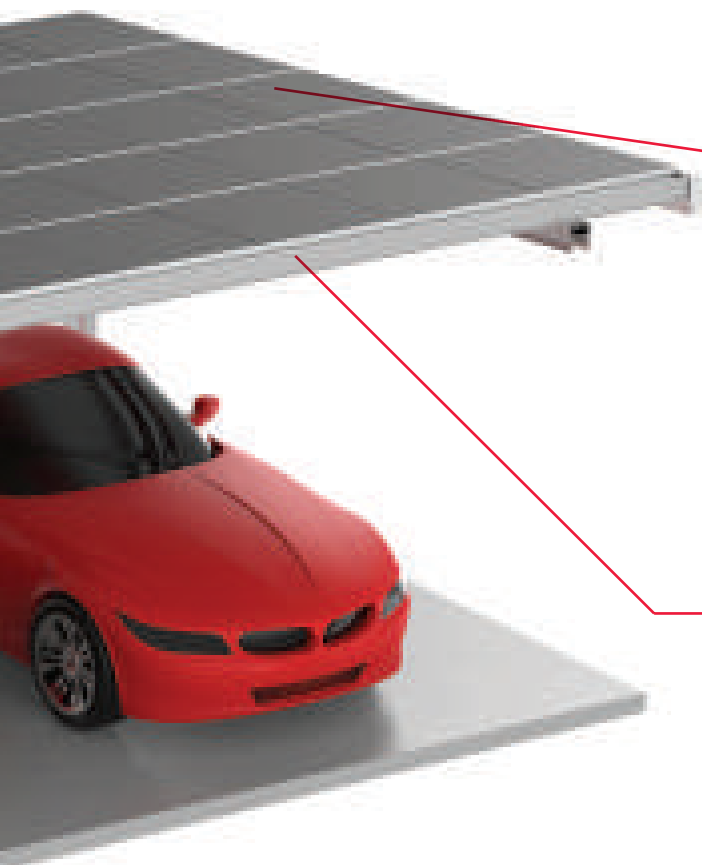
**20 YEARS
LIFETIME SERVICE**



**FULL SYSTEM
CERTIFICATION**



**ADAPT TO
EXTREME WEATHER**



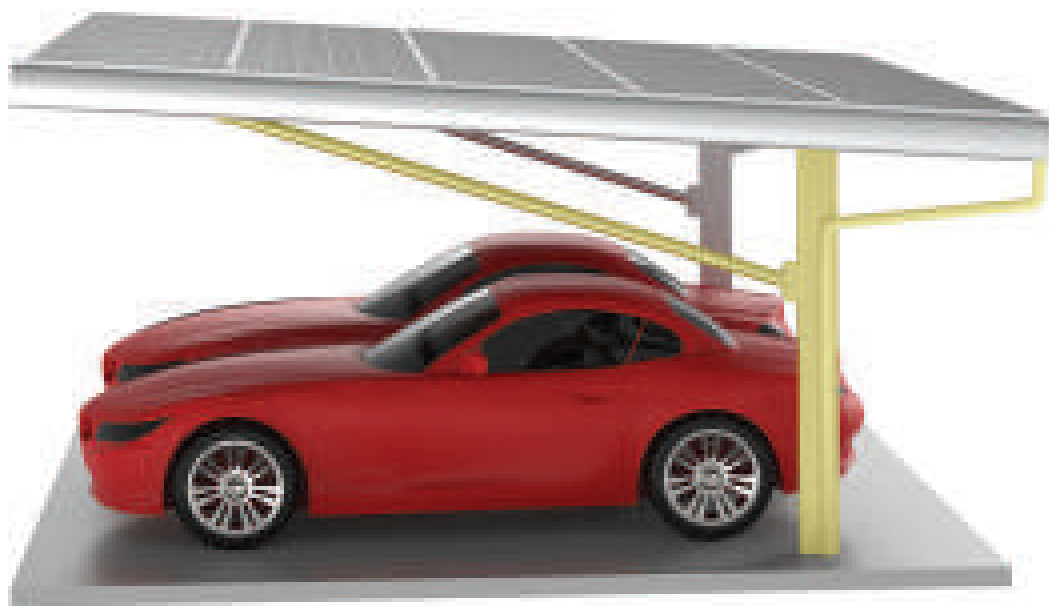
Module Components



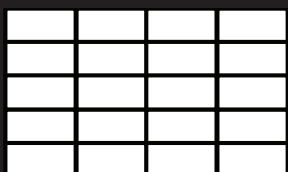
Rails

Y

STRUCTURE



IDEAL LAYOUT & APPLICATION

LANDSCAPE/
PORTRAITLandscape:
5 rows x columnsPortrait:
3 rows x columns

Y TYPE SOLAR CARPORT

TECHNICAL DATA

Foundation
Type

Fully buried cement

Features

1. The Y-Type structure is constructed from carbon steel. Compared with the N & W type double-column structure, its independent column provides better utility.
2. The positioning of the support allows for full clearance of the car doors opening and closing.
3. The Y-type single-column structure carbon steel can be made into different styles, and the carbon steel material can be designed according to different loads and installation conditions. It has high flexibility and can handle larger spans than the N & W type structure.
4. Use double-layer structure and channel to make waterproof

SUPPORT

W



W TYPE SOLAR CARPORT

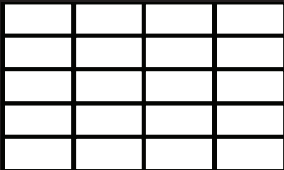
TECHNICAL DATA

Foundation Type	Fully buried cement
	Semi-buried cement
	Full exposed cement
	Ground screw
Features	1. Fully constructed from aluminum.
	2. Compared with the N type, the W type is more suitable for installation conditions with medium load, larger installation angle of the carport, and the layout with more rows.
	3. Both waterproof and non-waterproof types can be designed according to requirements.
	4. Depending on soil conditions, you can choose cement foundation or ground screw foundation.

IDEAL LAYOUT & APPLICATION



LANDSCAPE/
PORTRAIT



5 rows x columns

C

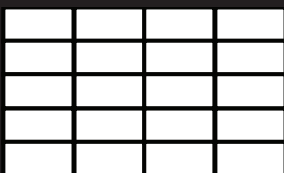
STRUCTURE



IDEAL LAYOUT & APPLICATION



LANDSCAPE/
PORTRAIT



5 rows x columns

CUSTOM SOLAR CARPORT

Custom Tailor made carports, designed and constructed for every scenario

TECHNICAL DATA

Foundation Type

Fully buried cement

Features

1. Structure constructed from Carbon Steel. Compared with the W type double-column structure, its independent column has a better space for movement. Compared with T type, it can have higher strength.
2. The positioning of the support allows for full clearance of the car doors opening and closing.
3. The structure support can designed according to different loads and installation conditions. It has high flexibility and can handle larger spans than the N & W type structure.



A photograph of a rooftop solar panel installation. In the foreground, several blue solar panels are mounted on a metal frame. The background shows a city skyline at dusk, with tall buildings and construction cranes. A dark semi-transparent rectangle is overlaid on the image, containing the text "ROOF SOLUTIONS".

ROOF SOLUTIONS



TIN

The Tin (Metal) Roof Mounting Solution is suitable for almost any tin roof. It provides a simple and cost-effective solution for mounting all framed and unframed solar panels currently on the market. HUAWEI's wide range of mounting brackets provide for fast and secure fixing to sheet metal, purlins or rafters and for different roofing types at angles from 10 to 60°.

TILE

The Universal Tiled Roof Mount is suitable for almost any tile roof. It accommodates all framed and unframed solar panels currently on the market. HUAWEI's complete product range of mounting brackets provide for fast and simple fixing to purlins or rafters, without affecting the integrity or function of the tiles themselves. Roof brackets are available for traditional profile tiles and flat tiles. To simplify connection of support rails to the brackets, HUAWEI's rails are designed to allow fixing nuts to be simply swiveled into the rails and flat tiles.



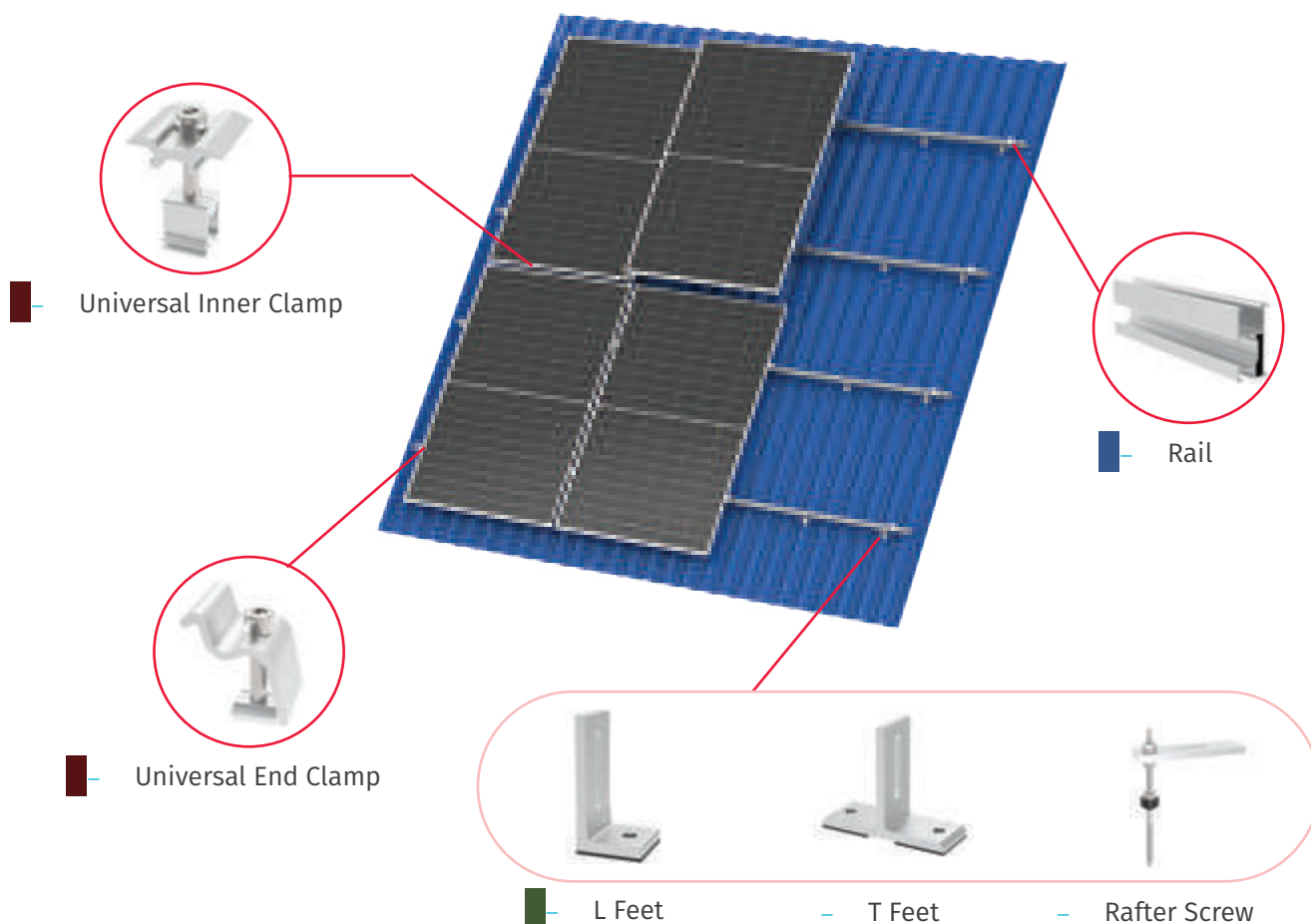
TILT

The Tilt Systems are quick and easy to install, allowing solar panels to be installed in the angle ranges from 10 to 15 degrees, 15 to 30 degrees and 30 to 60 degrees.

To simplify installation, components are pre-assembled before delivery to site.

- Available tilt angles 10–15°, 15–30° and 30–60°
- Easy to fold, save storage and transportation
- Simple and fast installation
- Easy access to components and connections

TIN SOLUTION



IDEAL LAYOUT & APPLICATION



FRAME/ FRAMELESS
COMPATIBLE



LANDSCAPE/
PORTRAIT

TIN SOLUTION

TECHNICAL DATA

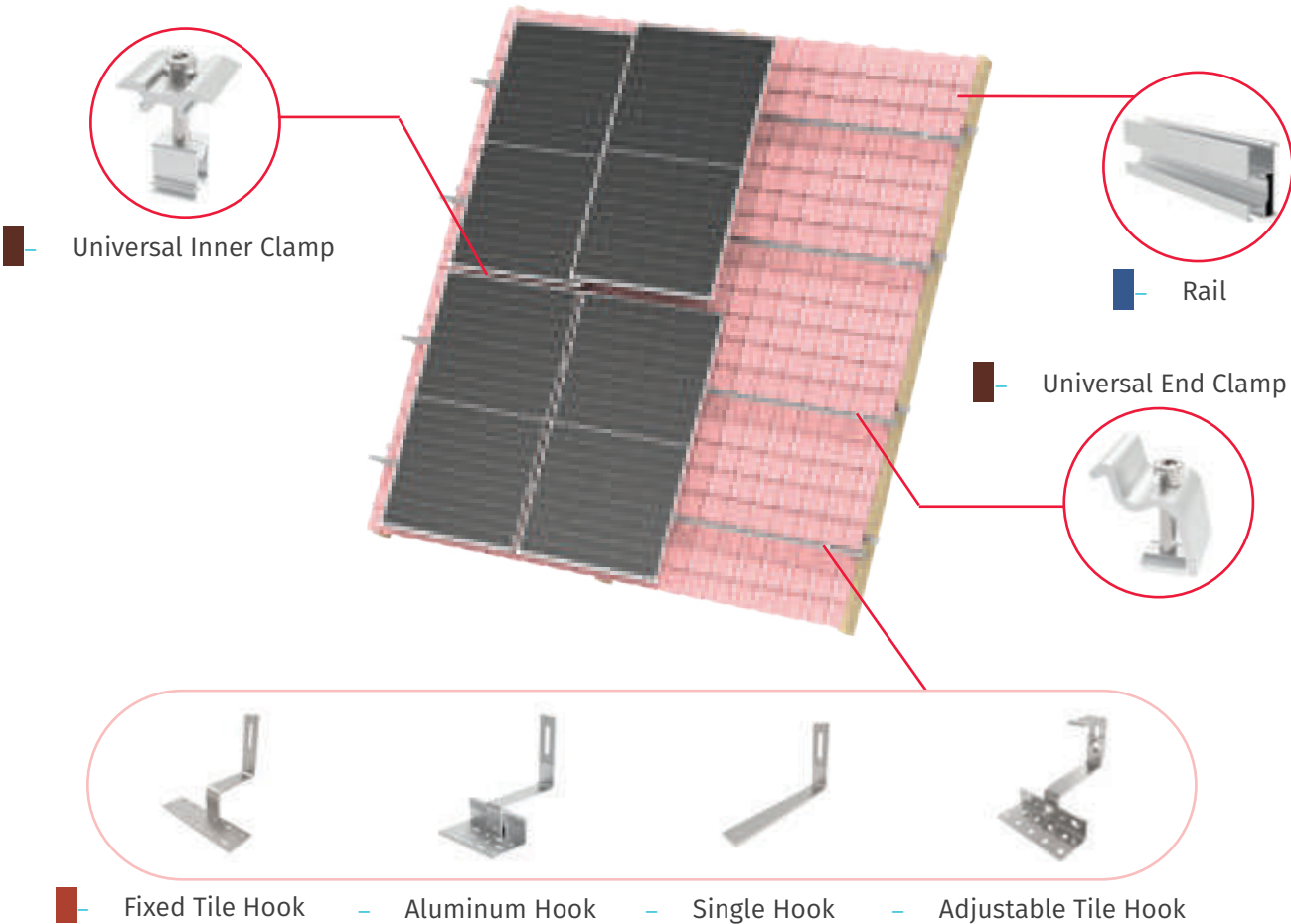
Features

1. The interfaces, rails and clamps are of high quality, robust and corrosion-resistant materials including structural grade alloys.
2. Reliable, robust roof mounting system with high-quality components designed for the harshest conditions.



1 row x columns

TILE SOLUTION



TILE SOLUTION

TECHNICAL DATA

Features

- 1. This system allows installation on tile roofs.
- 2. Robust design and high-quality materials.
- 3. Corrosion resistance is achieved through anodized structural grade aluminum and stainless steel components.

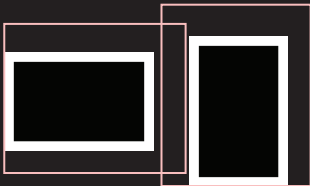


1 row x columns

IDEAL LAYOUT & APPLICATION

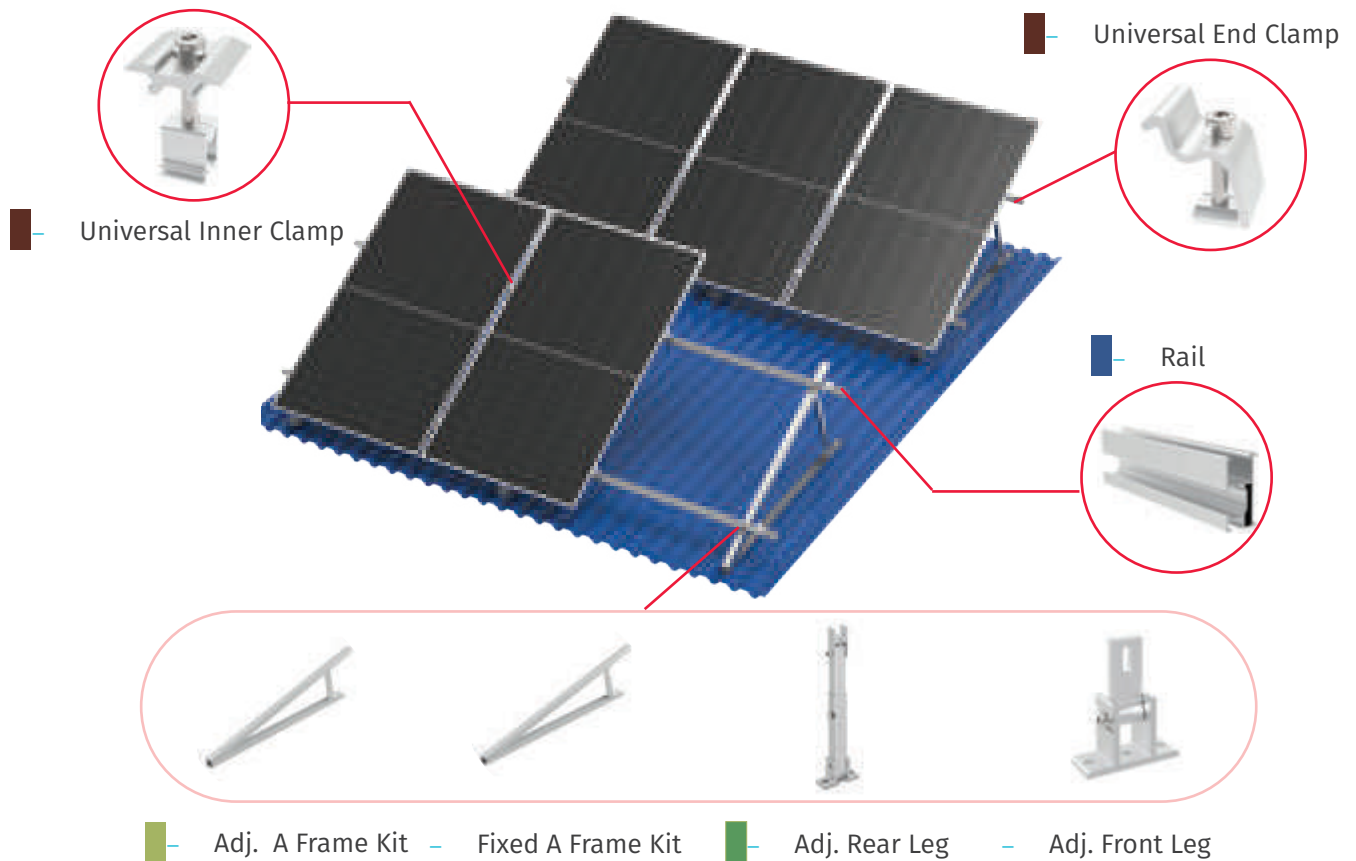


FRAME/FRAMELESS
COMPATIBLE



LANDSCAPE/
PORTRAIT

TILT SOLUTION



FRAME/FRAMELESS
COMPATIBLE



LANDSCAPE/PORTRAIT



5°-60° DESIGN

TILT SOLUTION

TECHNICAL DATA

1. Angle range from 5 to 60 degrees.
2. It can be installed even in the harshest or corrosive environment.
3. Easy to fold, save storage and transportation.
4. Simple and fast installation.
5. Easy access to components and connection.

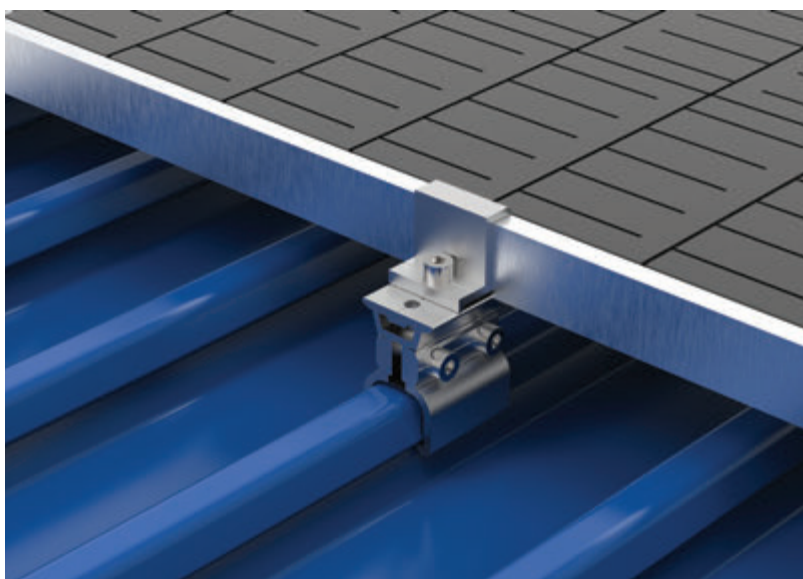
Features



1 row x columns

OTHER SOLUTION

TIN INTERFCAE



Tin Interface



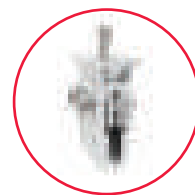
Tin Interface



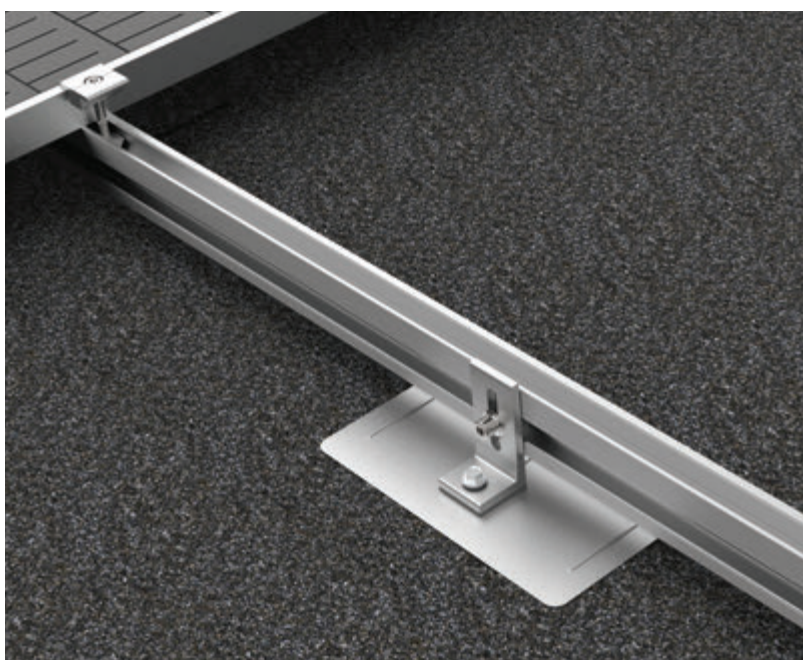
Tin Interface



Longline Interface



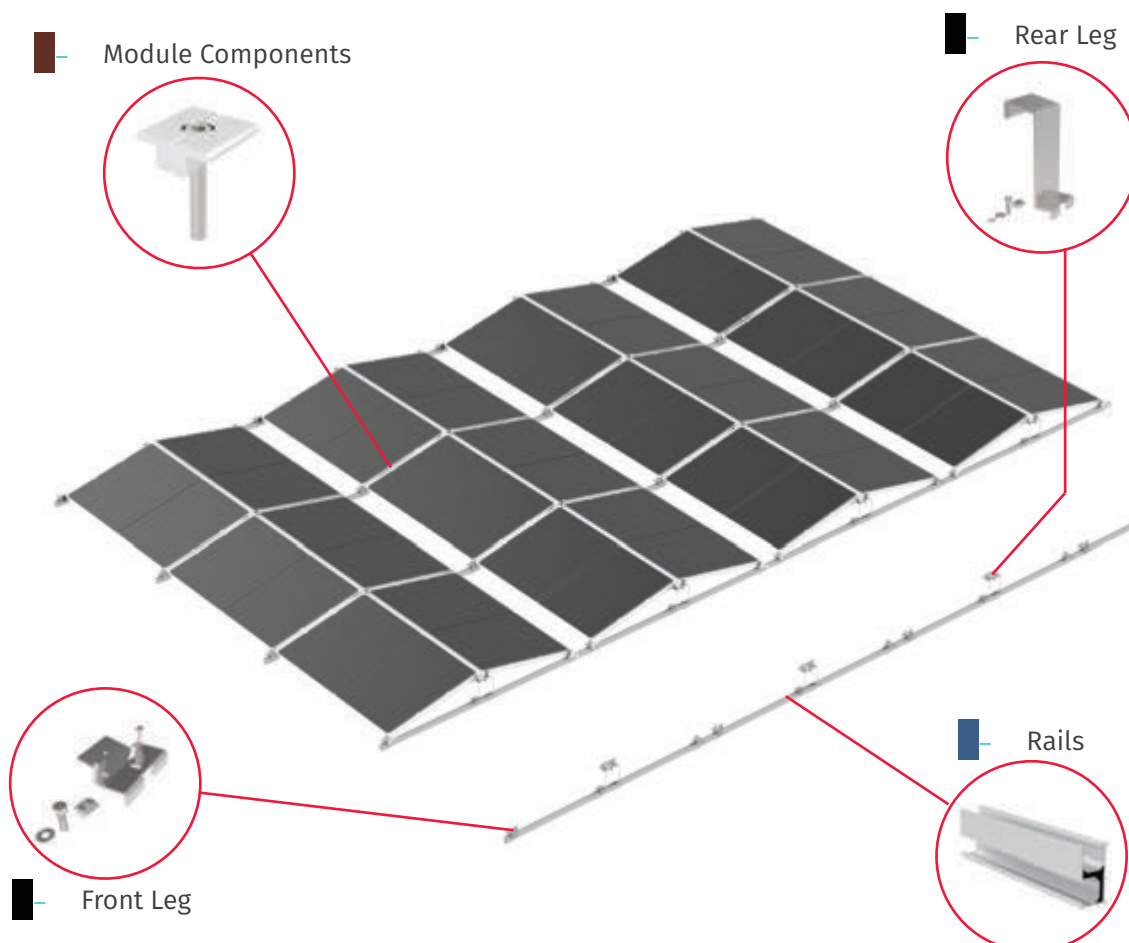
FLASHFOOT



ADVANTAGES

- 1** ECONOMY: INTEGRATED MOLDING, COST OPTIMIZATION
- 2** MATERIAL DIVERSITY: OPTIONAL GALVANIZED PLATE AND ALUMINUM PLATE FOR DIFFERENT ENVIRONMENTS CAN BE SELECTED
- 3** WATERPROOF: NO WATER LEAKAGE AT THE BRACKET BOLT AFTER INSTALLATION
- 4** SURFACE TREATMENT OPTIONAL: MILL, POWDER COAT AND PRE-PAINTED (PVDF)

EAST-WEST SYSTEM



ADVANTAGES

- 1 NO MODULE SELF-SHADING
- 2 HIGH ENERGY PRODUCTION DENSITY
- 3 MORE CONSTANT POWER OUTPUT
- 4 MORE AERODYNAMIC
- 5 LOWER ROOF LOADING PRESSURE

EAST WEST SYSTEM

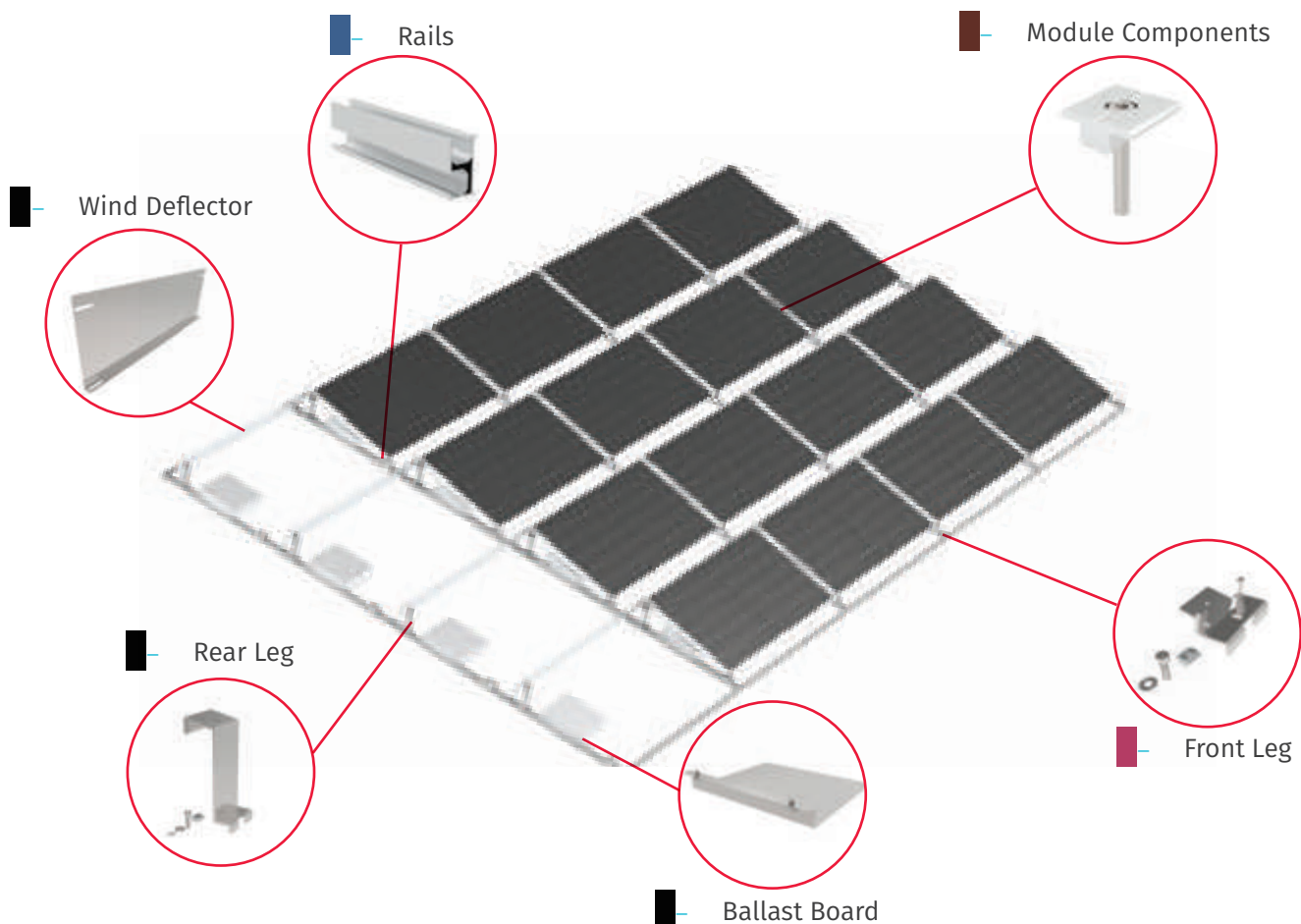
The East West Mounting System provides more stable and more consistent power throughout the day relative to south facing designs. It reduces the peak production spike at noon and widens the power duration into the morning and evening. The system is fully constructed from aluminum and designed specially to accommodate mainstream solar modules.

The system can be assembled and placed directly onto the flat roof without the need of drilling holes into the mounting surface, which ultimately eliminates the risk of water leakage through the roof during installation.

The front and rear leg are equipped with a limited position structure, which has the advantages of convenient, fast and labor-saving when installing solar modules.

When installed on a flat roof, the ballast tray made of aluminum-magnesium-zinc has good corrosion resistance.

BALLAST SYSTEM



BALLAST SYSTEM

The Ballast Mounting Solution is suitable for almost any flat roof. The system's rigidity and linked rail design can withstand conditions in the high wind, snow and seismic zones and its aluminum and stainless steel components can endure even the most corrosive environments.

The system is fully constructed from aluminum and designed specially to accommodate mainstream solar modules.

The system can be assembled and placed directly onto the flat roof without the need of drilling holes into the mounting surface, which ultimately eliminates the risk of water leakage through the roof during installation.

Our ballast board made from aluminum-magnesium-zinc providing the system with superior corrosion resistance, while our wind deflector is engineered to effectively enhance the stability of the system.



FRAME OR
FRAMELESS
COMPATIBLE

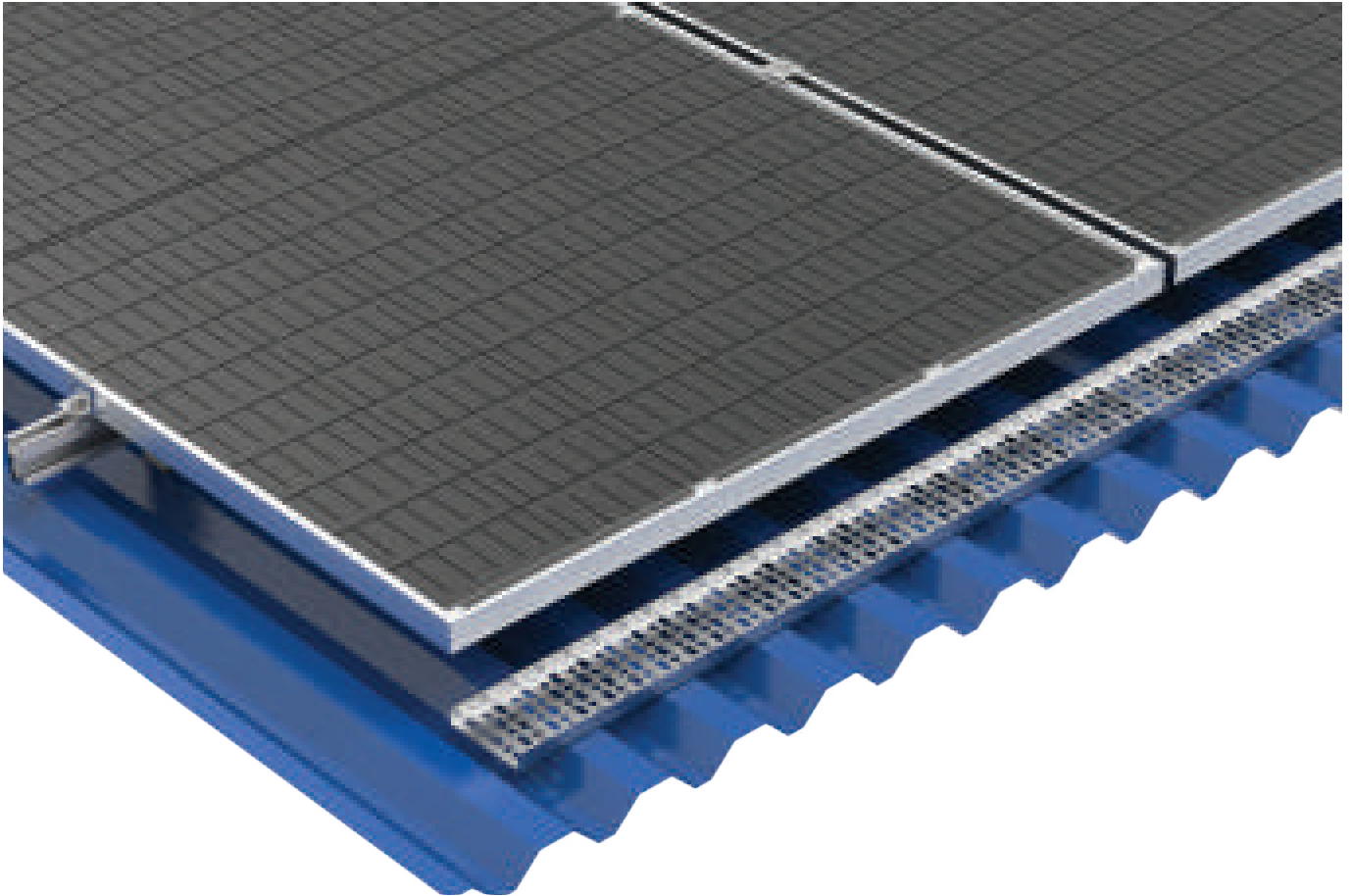


LANDSCAPE ONLY



5°-15° DESIGN

CABLE TRAY



ADVANTAGES

- 1** PREVENTING TAMPERING FROM INSECTS OR ANIMALS
- 2** ENHANCES SYSTEM LIFE EXPECTANCY AND PREVENTS CABLE TAMPERING
- 3** KEEPS CABLE HIDDEN FOR A CLEAN AND CLUTTER FREE APPEARANCE

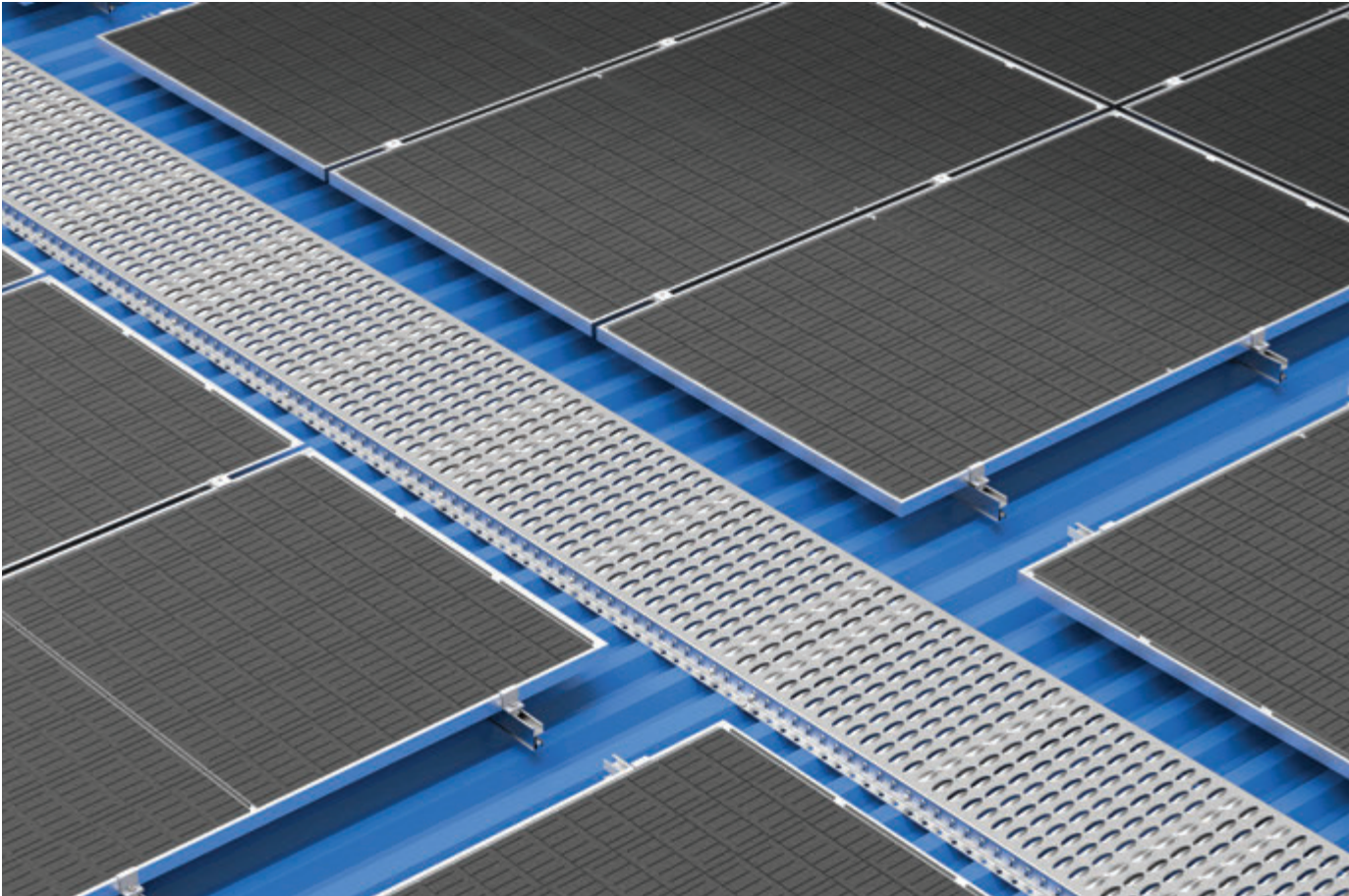
CABLE TRAY

TECHNICAL DATA

Features

The Cable Tray was designed initially for information and energy cables for solar PV systems, however today as a versatile channel, its being used from building infrastructure to IT networking and so much more. The MT Rail is made from aluminum and allows for complex cables to be neatly connected, and with its cover, it provides great aesthetics and concealment.

WALKWAY



WALKWAY

TECHNICAL DATA

Features

- 1. The shape of the surface prevents skidding.
- 2. Long service life, high quality and affordable.
- 3. Quick assemble.
- 4. Good Bearing

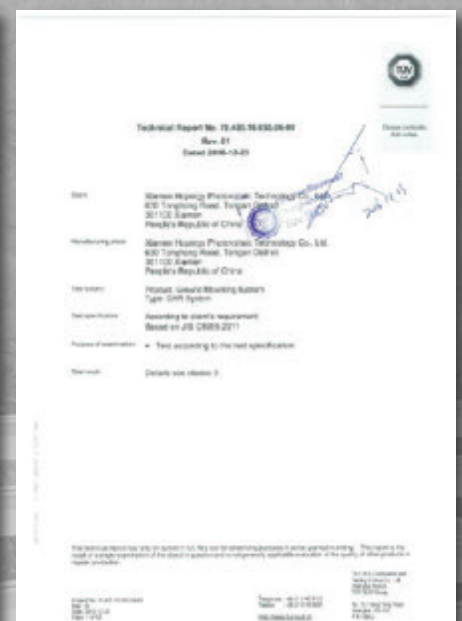
Application

Checkered plate channels are often used to homework, industrial workshop floor, narrow channel, terrace, warehouses, sidewalks and stair tread, etc.

ARE OFTEN USED TO
HOMEWORK,
INDUSTRIAL
WORKSHOP
FLOOR, NARROW
CHANNEL, TERRACE,
WAREHOUSES,
SIDEWALKS AND STAIR
TREAD, ETC.

CERTIFICATES

Customers gain assurance that an independent Engineering has reviewed the product or ensure utmost level of security specification or policy. Third-party certifications give customers confidence that the products and services they invest in are able to meet their needs from a security and trust perspective.



WARRANTY

1. Quality Standards

Production should be conducted in accordance with the local National Industrial Production Standards, and meet local calculation requirement.

2. Warranty Period

In order to make customers feel at ease using HUAWEI products, HUAWEI provides all its mounting racks with 10 years quality warranty, during which the company shall be liable for defects in material and workmanship.

3. Warranty Conditions and Contents

HUAWEI guarantees that at the time of goods delivery, all components of the supplied products shall be new products, and free from quality defects in materials and product manufacturing. HUAWEI shall repair or replace the defective product if the Product is reasonably proven to be defective from the delivery date till the end of warranty date, on the condition that the Product is subject to customer design requirements and installed in accordance with HUAWEI's written installation instructions, which shall be followed by a quality check of the installation and construction by the construction side.

TABLE OF CONTENT

HOOK (HU-TRH-)

.....

Rafter Screw (DS-)

.....

Tin Roof Clamp (HU-TRB-C)

.....

Tin Roof Bracket (HU-TRB-B)

.....

Tin Roof Mount (HU-TRB-F)

.....

Tin Roof Mount (HU-TRB-A)

.....

Tin Roof Mount (HU-TRB-AFK)

.....

RAIL (HU-RA-)

.....

RAIL JOINER (HU-SK-)

.....

Panel Clamp (HU-PC-)

.....

RAIL CLAMP (HU-RC-)

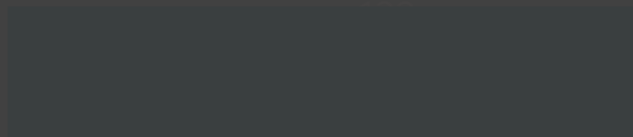
.....

ACCESSORIES (HU-AC-)

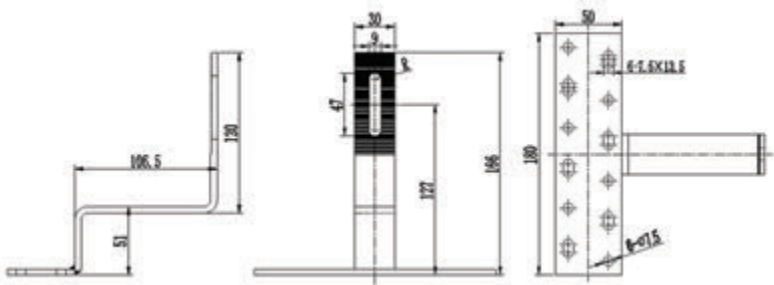
.....

GROUND SCREW (HU-GS-)

.....



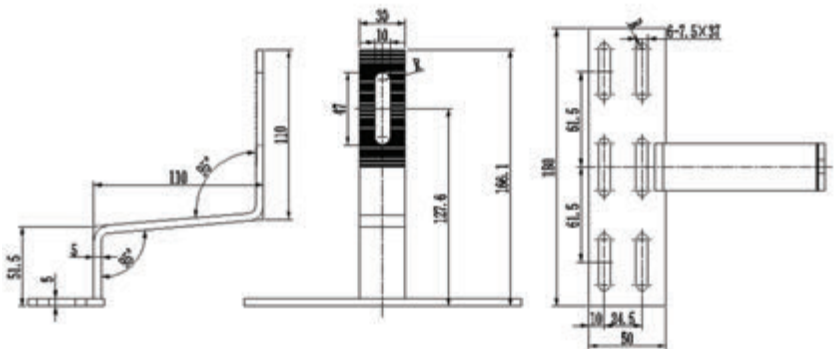
FIXED HOOK #1
HU-TRH-F01



TECHNICAL DATA

Weight (g)	587
BOM	HOP-B001-000-01 (SUS304) x 1 HOP-B001-000-02 (SUS304) x 1

FIXED HOOK #11
HU-TRH-F11

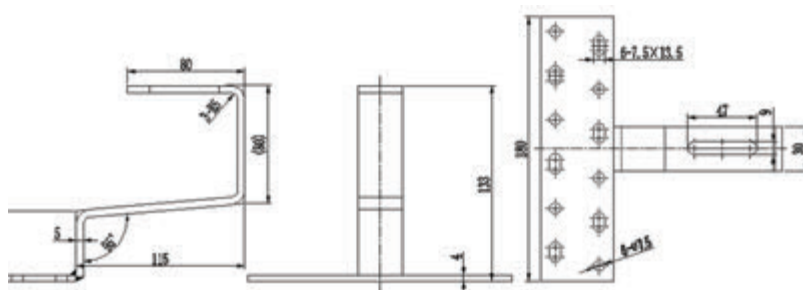


TECHNICAL DATA

Weight (g)	577
BOM	HOP-B011-000-02 (SUS304) x 1 HOP-B011-000-01 (SUS304) x 1

HOOK (HU-TRH-)

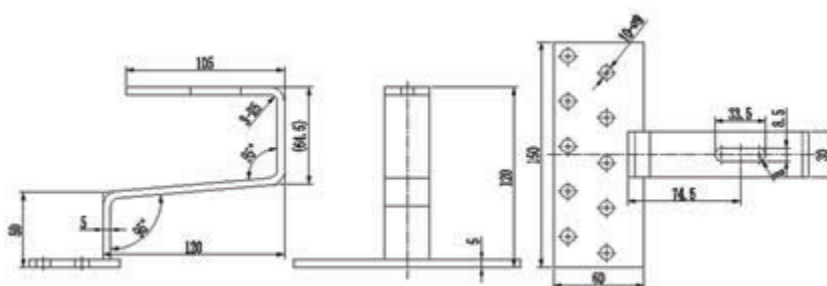
FIXED HOOK #4
HU-TRH-F04



Weight (g)	628
------------	-----

BOM HOP-B004-000-02 (SUS304) x 1
HOP-B001-000-01 (SUS304) x 1

FIXED HOOK #13
HU-TRH-F13

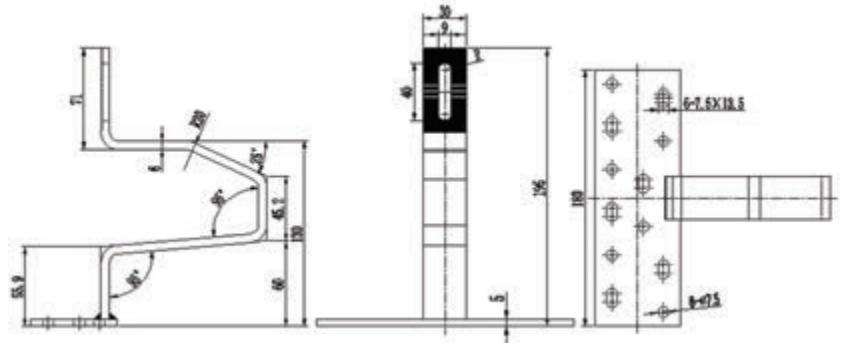


Weight (g)	724
------------	-----

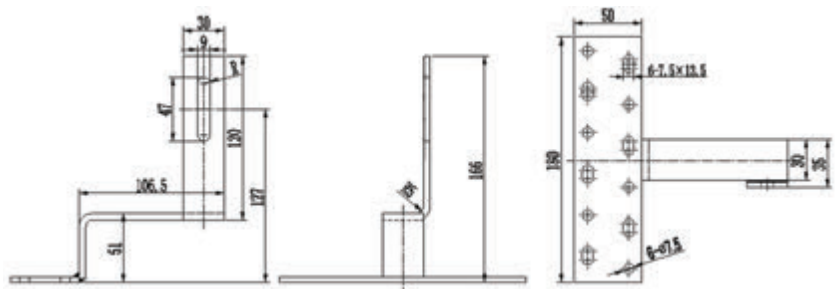
BOM HOP-B013-000-02 (SUS304) x 1
HOP-B013-000-01 (SUS304) x 1

info@huawei-solar.eu

HOOK (HU-TRH-)

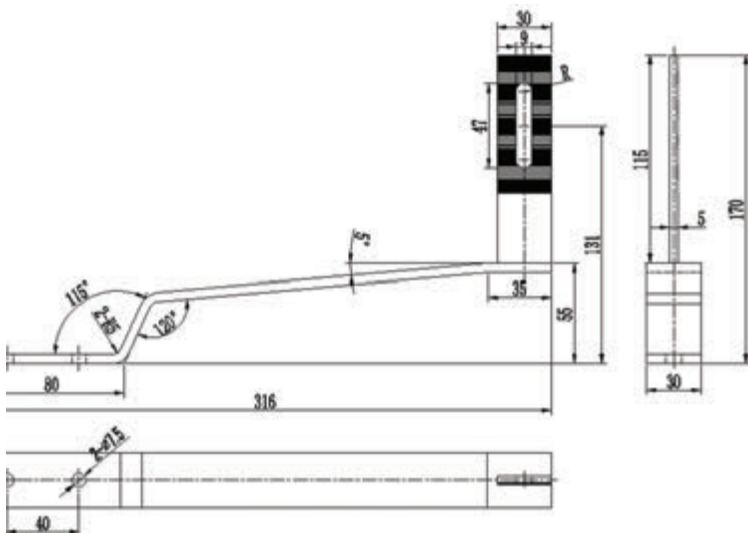


BOM	HOP-B005-000-02 (SUS304) x 1
	HOP-B001-000-01 (SUS304) x 1



BOM HOP-B003-000 -02(SUS304) x 1
HOP-B001-000-01 (SUS304) x 1

FIXED HOOK #12
HU-TRH-F12

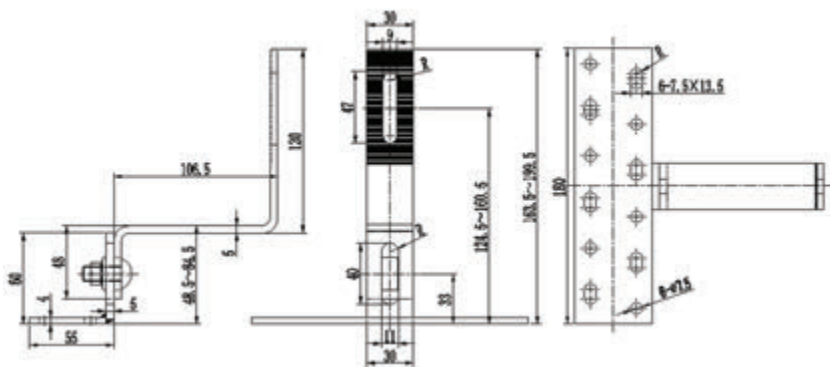


TECHNICAL DATA

Weight (g)	502
BOM	HOP-B012-000-02 (SUS304) x 1 HOP-B012-000-01 (SUS304) x 1

ADJUSTABLE HOOK #1

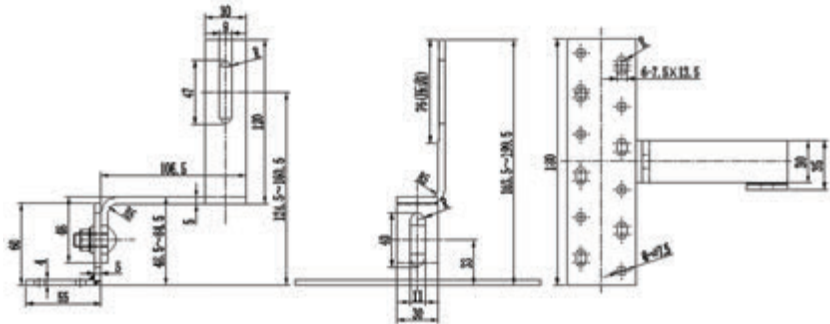
HU-TRH-A01



Weight (g)	698
BOM	HOP-C001-000-02 (SUS304) x 1 HOP-C001-000-01 (SUS304) x 1 M10*30 Carriage screws (SUS304) x 1 M10 Flange Hexagon Nuts (SUS304) x 1

HOOK (HU-TRH-)

ADJUSTABLE HOOK #3
HU-TRH-A03

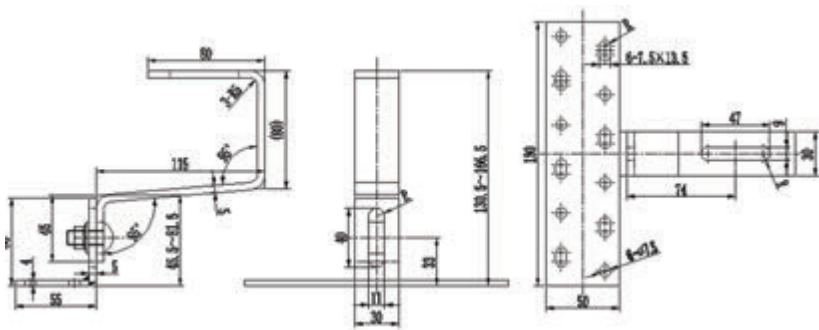


TECHNICAL DATA

Weight (g) 692

BOM
HOP-C003-000-02 (SUS304) x 1
HOP-C001-000-01 (SUS304) x 1
M10 Flange Hexagon Nuts (SUS304) x 1
M10*30 Carriage screws (SUS304) x 1

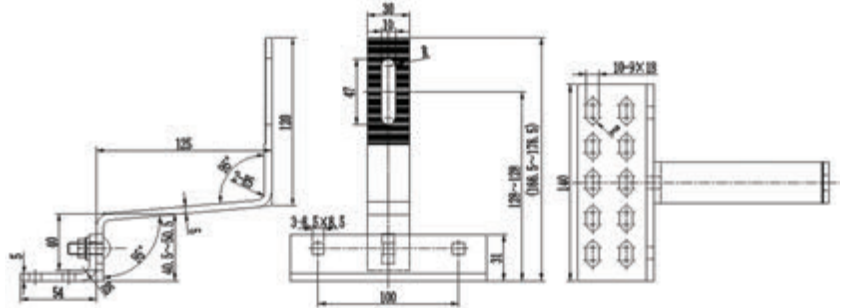
ADJUSTABLE HOOK #4
HU-TRH-A04



TECHNICAL DATA

Weight (g) 735

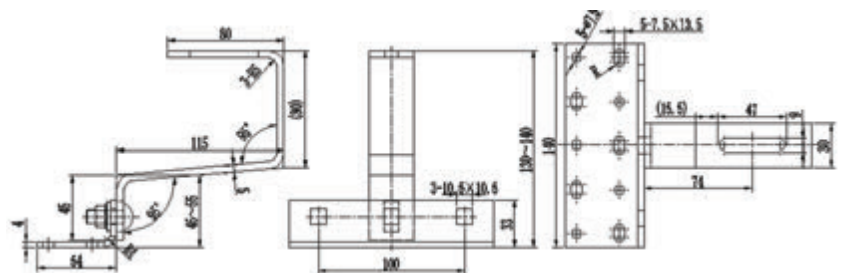
BOM
HOP-C004-000-02 (SUS304) x 1
HOP-C001-000-01 (SUS304) x 1
M10 Flange Hexagon Nuts (SUS304) x 1
M10*30 Carriage screws (SUS304) x 1



Weight (g) 773

BOM

HOP-C040-000 -02(SUS304) x 1
HOP-C040-000 -01(SUS304) x 1
M8 Flange Hexagon Nuts (SUS304) x 1
M8*25 Carriage screws (SUS304) x 1

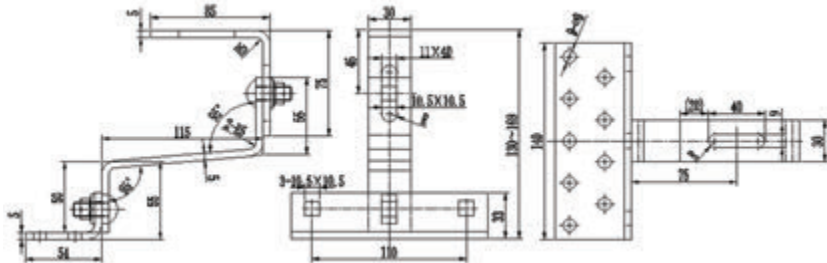


Weight (g)	736
------------	-----

BOM

HOP-C004-000-02 (SUS304) x 1
HOP-C008-000-01 (SUS304) x 1
M10 Flange Hexagon Nuts (SUS304) x 1
M10*30 Carriage screws (SUS304) x 1

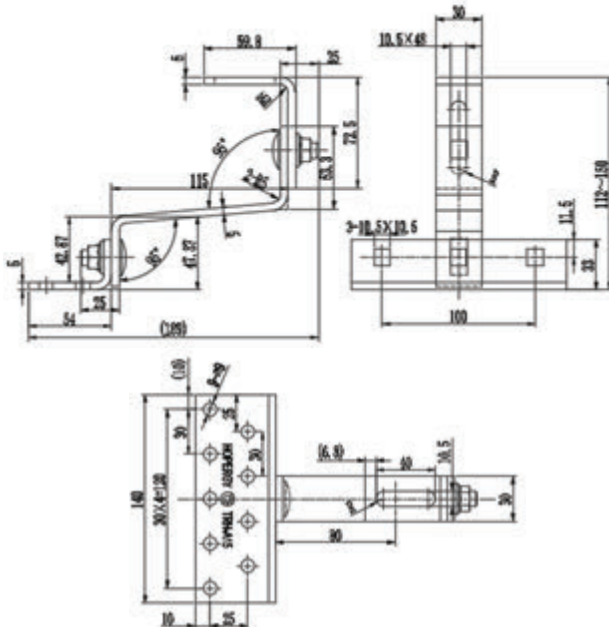
ADJUSTABLE HOOK #13
HU-TRH-A13



TECHNICAL DATA

Weight (g)	938
BOM	HOP-C013-000-02 (SUS304) x 1 HOP-C012-000-02 (SUS304) x 1 HOP-C011-000-02 (SUS304) x 1 M10 Flange Hexagon Nuts (SUS304) x 2 M10*30 Carriage screws (SUS304) x 2

ADJUSTABLE HOOK #15
HU-TRH-A15

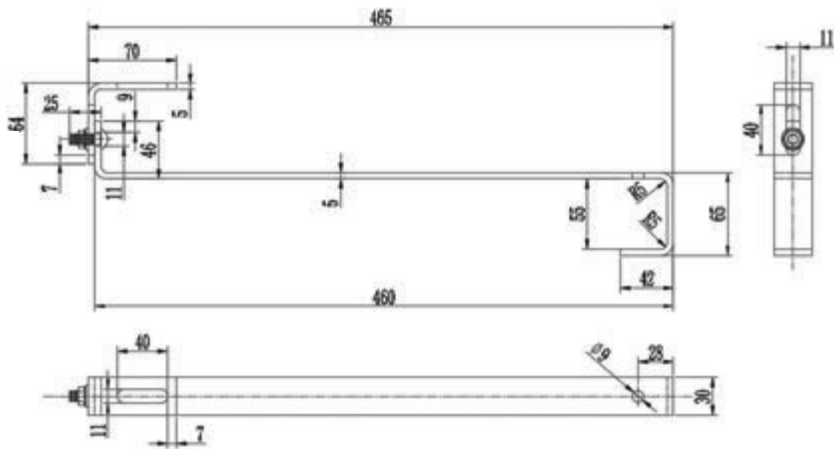


TECHNICAL DATA

Weight (g)	886
BOM	HOP-C015-0001 (SUS304) x 1 HOP-C015-0002 (SUS304) x 1 HOP-C015-0003 (SUS304) x 1 M10 Flange Hexagon Nuts (SUS304) x 2 M10*25 Carriage screws (SUS304) x 2

Data Sheet

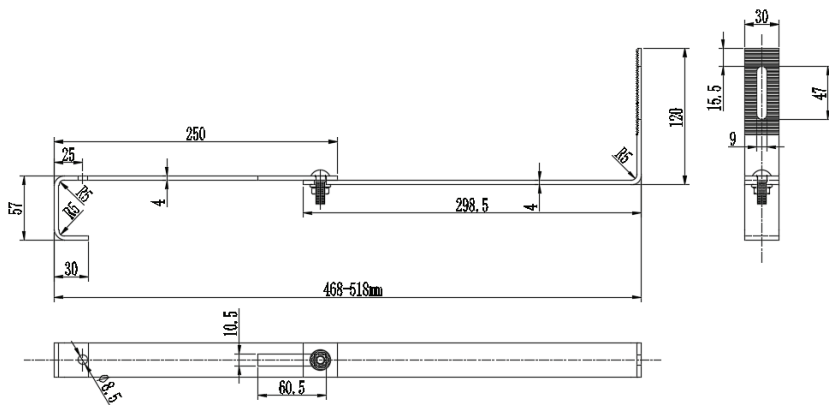
ADJUSTABLE HOOK #16 HU-TRH-A16



TECHNICAL DATA

Weight (g)	843
BOM	HOP-C016-0001 (SUS304) x 1 HOP-C016-0002 (SUS304) x 1 M10 Flange Hexagon Nuts (SUS304) x 1 M10*25 Carriage screws (SUS304) x

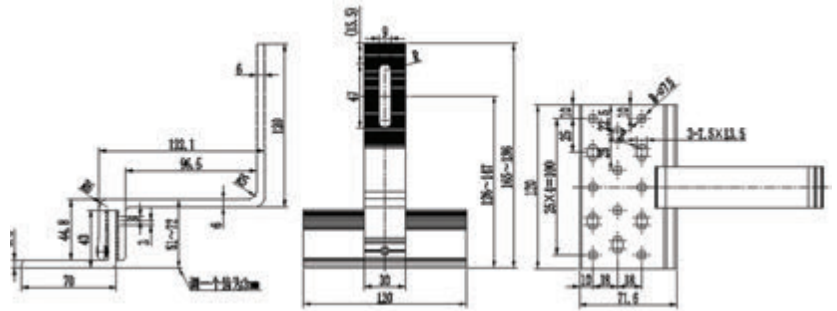
ADJUSTABLE HOOK #17 HU-TRH-A17



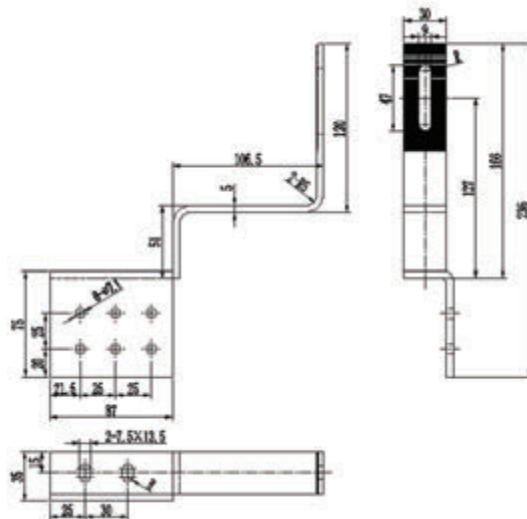
TECHNICAL DATA

Weight (g)	684
BOM	HOP-C017-0001 (SUS304) x 1 HOP-C017-0002 (SUS304) x 1 M10 Flange Hexagon Nuts (SUS304) x 1 M10*25 Carriage screws (SUS304) x 1

HOOK (HU-TRH-)



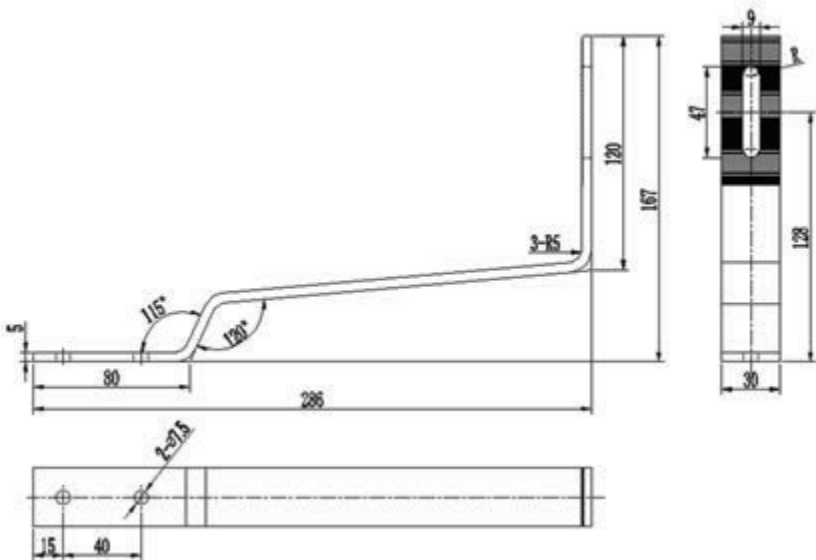
Weight (g)	360
BOM	HOP-P01-0120 (AL6005-T5) x 1 HOP-P02-0030 (AL6005-T5) x 1 M8*8 Hexagon socket set screw with flat end(SUS304) x1



Weight (g)	585
BOM	HOP-D002-000 (SUS304) x 1

Data Sheet

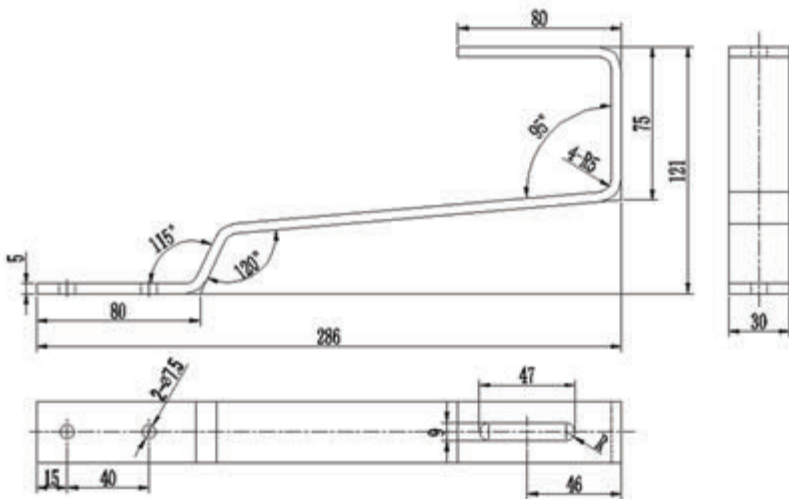
SINGLE HOOK #6 HU-TRH-S06



TECHNICAL DATA

Weight (g)	492
BOM	HOP-D006-000 (SUS304) x 1

SINGLE HOOK #7 HU-TRH-S07

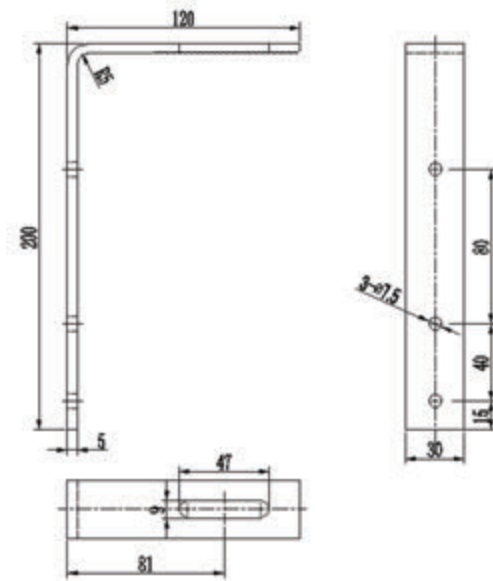


TECHNICAL DATA

Weight (g)	522
BOM	HOP-D007-000 (SUS304) x 1

HOOK (HU-TRH-)

SINGLE HOOK #9
HU-TRH-S09

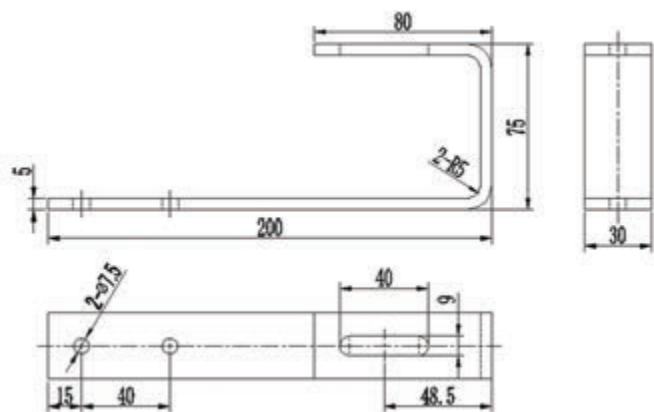


TECHNICAL DATA

Weight (g) 370

BOM HOP-D009-000 (SUS304) x 1

SINGLE HOOK #10
HU-TRH-S10



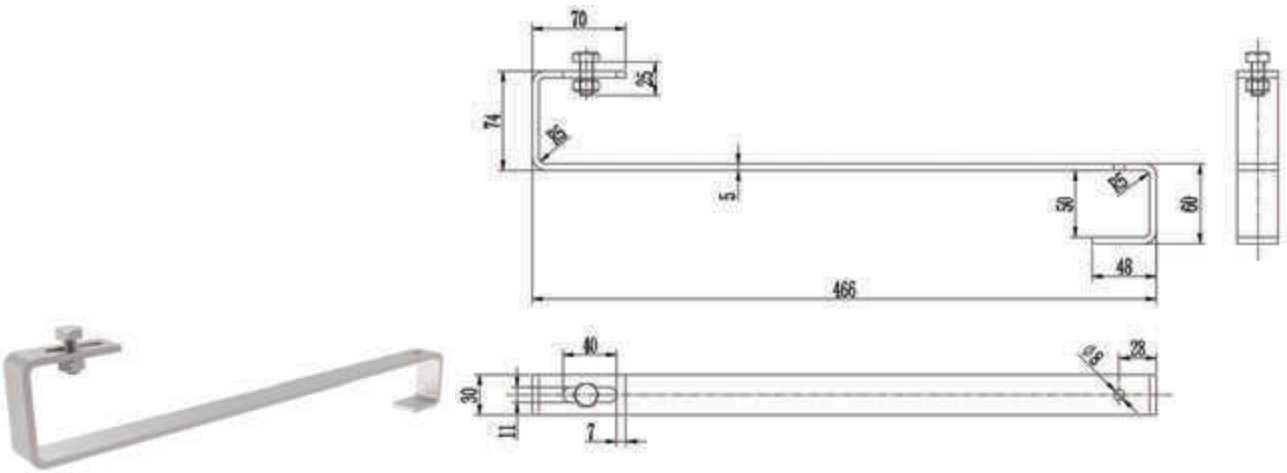
TECHNICAL DATA

Weight (g) 499

BOM HOP-D010-000 (SUS304) x 1

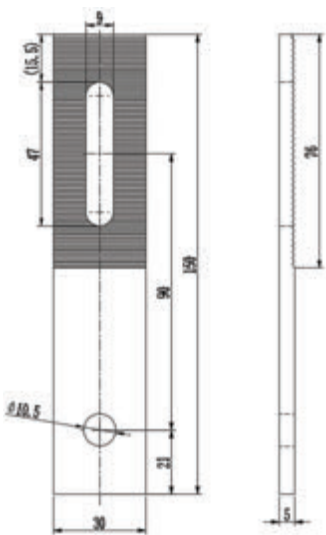
Data Sheet

ADJUSTABLE HOOK #15-HB2
HU-TRH-S15-HB2



TECHNICAL DATA	
Weight (g)	839
BOM	HOP-D015-0001 (SUS304) x 1 M10*25 Hex Head Cap Screw x 1 M10 Hexagon Nut x 1

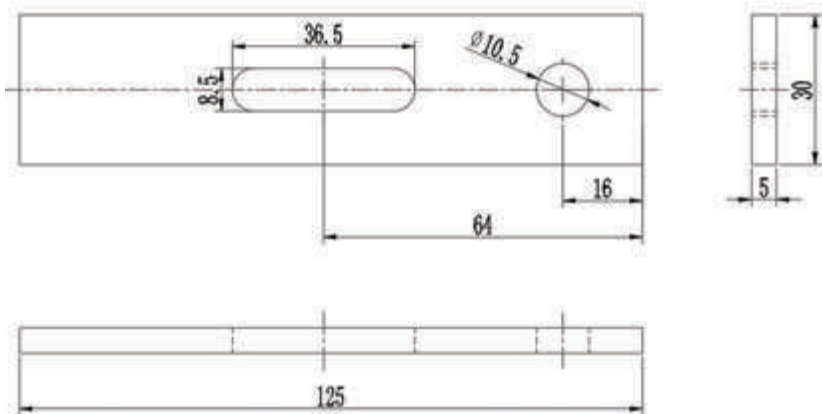
SINGLE HOOK #8
HU-TRH-S08



TECHNICAL DATA	
Weight (g)	178
BOM	HOP-D008-0001 (SUS304) x 1

HOOK (HU-TRH-)

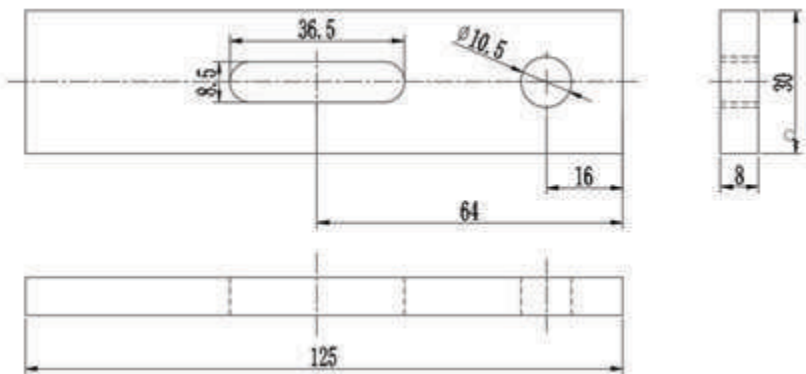
SINGLE HOOK #5
HU-TRH-S05



TECHNICAL DATA

Weight (g)	148
BOM	HOP-D005-0001 (SUS304) x 1

SINGLE HOOK #16
HU-TRH-S16



TECHNICAL DATA

Weight (g)	81
BOM	HOP-D005-0002 (AL5052-H32) x 1

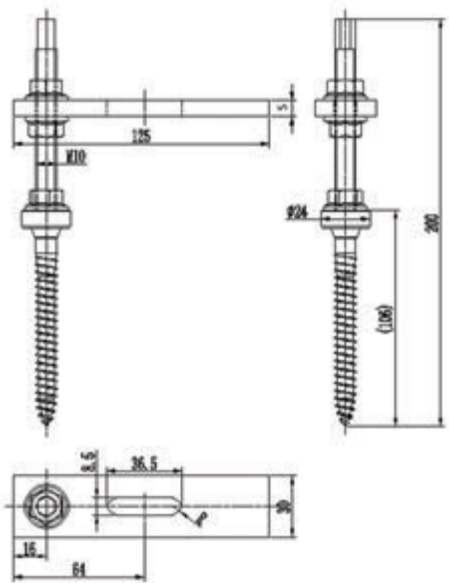


HOOK (HU-TRH-)

DOUBLE THREADED RAFTER SCREW
HU-DS-200M10A1-S05



M10*200MM (STAINLESS STEEL)



TECHNICAL DATA

Weight (g) 379

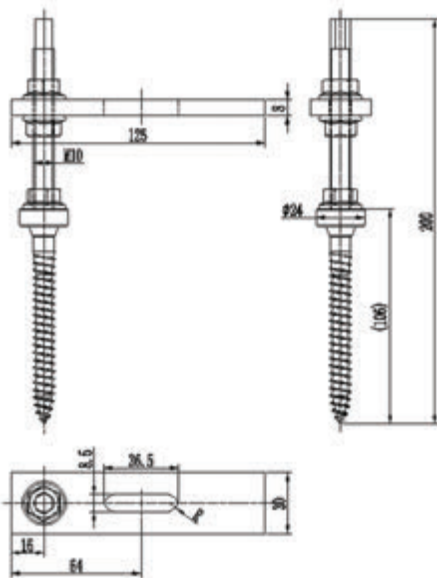
BOM

HOP-D005-000 (SUS304) x 1
Φ24×13.5 Rubber mat (EPDM) x 1
M10*200 Double Threaded Rafter Screws (SUS304) x1
M10 flange Hexagon Nuts (SUS304) x 3

DOUBLE THREADED RAFTER SCREW
HU-DS-200M10A1-S16



M10*200MM (ALUMINUM)



TECHNICAL DATA

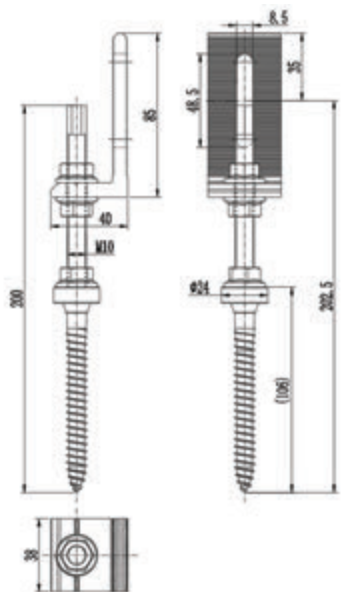
Weight (g) 224

BOM

HOP-D005-100 (AL5052-H32) x 1
Φ24×13.5 Rubber mat (EPDM) x 1
M10 flange Hexagon Nuts (SUS304) x 3
M10*200 Double Threaded Rafter Screws (SUS304) x1

Data Sheet

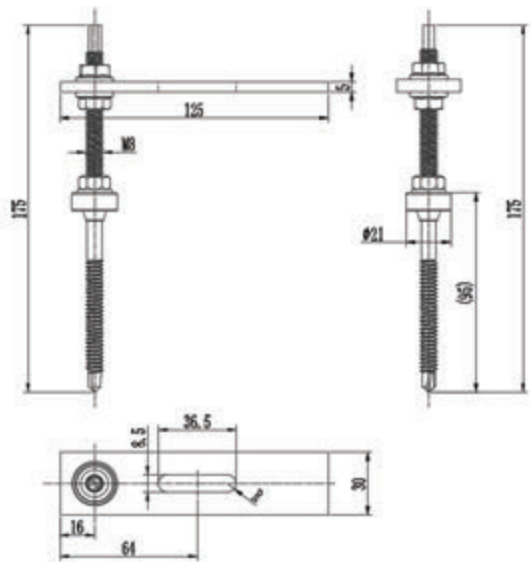
DOUBLE THREADED RAFTER SCREW
HU-DS-200M10A1-BF01



M10*200MM (L FEET)

TECHNICAL DATA	
Weight (g)	228
BOM	HOP-H01-0X38 (AL6005-T5) x 1 Φ24×13.5 Rubber mat (EPDM) x 1 M10*200 Double Threaded Rafter Screws (SUS304) x1 M10 flange Hexagon Nuts (SUS304) x3

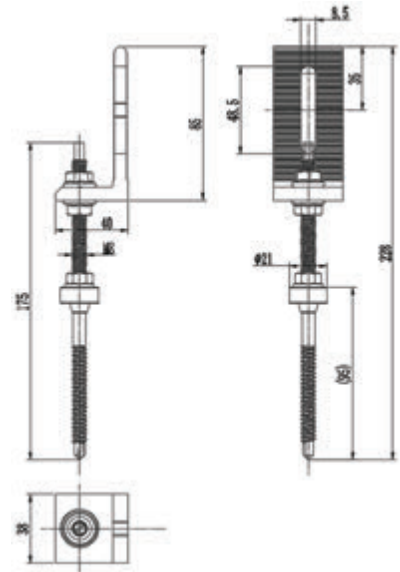
DOUBLE THREADED RAFTER SELF-TAPPING SCREW
HU-DS-175M8B1-S16



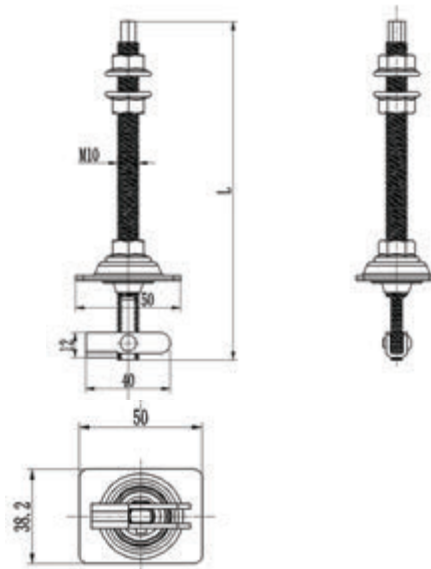
M8*175MM (STAINLESS STEEL)

TECHNICAL DATA	
Weight (g)	220
BOM	HOP-D005-000 (SUS304) x 1 K25-0014.D100 (EPDM) x 1 L28-0175.B300 (SUS410) x1 M8 flange Hexagon Nuts (SUS304) x 2 M8 Hexagon Nuts (SUS304) x 1 M8 Plain Washer (SUS304) x 1

Roof Screw (DS-)



HOP-H01-0X38 (AL6005-T5) x 1
K25-0014.D100 (EPDM) x 1
L28-0175.B300 (SUS410) x1
M8 flange Hexagon Nuts (SUS304) x 2
M8 Hexagon Nuts (SUS410) x 1



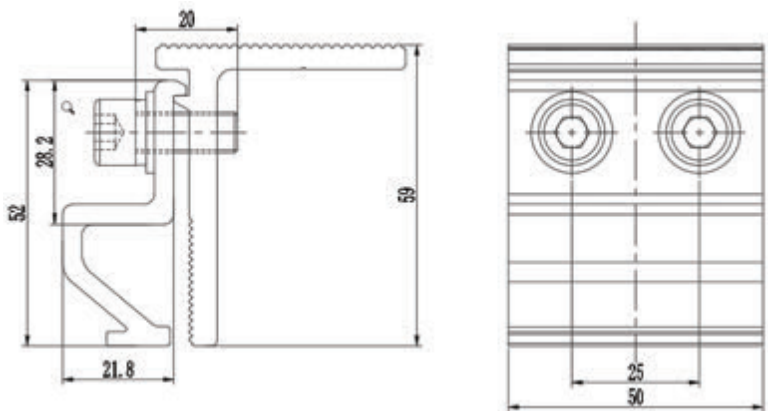
HOP-L30-0000 (SUS304) x 1
HOP-L31-0040 (SUS304) x 1
HOP-L32-0050 (SUS304) x 1
HOP-K26-0050 (EPDM) x 1
HOP-K20-0014 (EPDM) x 1
Φ4*12 Rivet (SUS304) x 1
M10 Flange Hexagon Nuts (SUS304) x 3

info@huawei-solar.eu



Roof Screw (DS-)

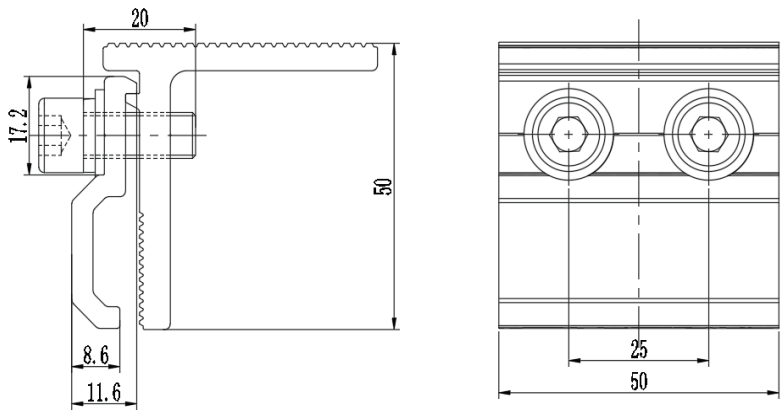
TIN INTERFCE BRACKET #1
HU-TRB-C01



TECHNICAL DATA

Weight (g)	153
BOM	HOP-H06-0050 (AL6005-T5) x 1 HOP-H07-0050 (AL6005-T5) x 1 M8*20 Hexagon socket head cap screws (SUS304) x2 d8 Plain washers(SUS304) x2 d8 Spring washers (SUS304) x 2

TIN INTERFCE BRACKET #2
HU-TRB-C02

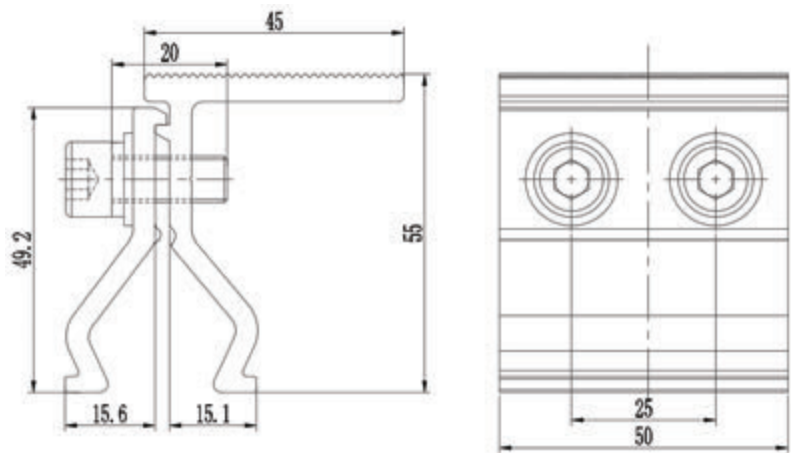


TECHNICAL DATA

Weight (g)	125
BOM	HOP-H08-0050 (AL6005-T5) x 1 HOP-H09-0050 (AL6005-T5) x 1 M8*20 Hexagon socket head cap screws (SUS304) x2 d8 Plain washers(SUS304) x2 d8 Spring washers (SUS304) x 2

Data Sheet

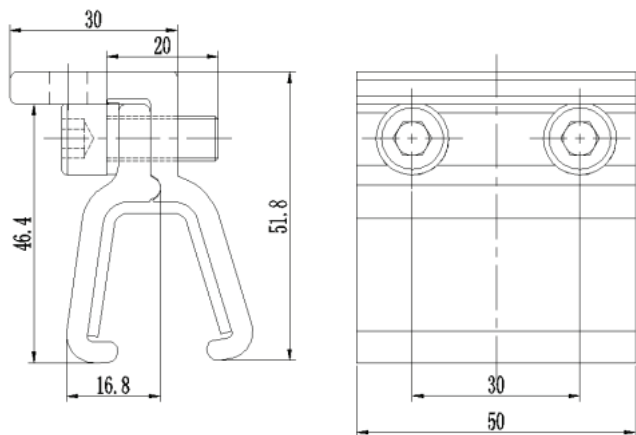
TIN INTERFCE BRACKET #3 HU-TRB-C03



TECHNICAL DATA

Weight (g)	118
BOM	HOP-H10-0050 (AL6005-T5) x 1 HOP-H11-0050 (AL6005-T5) x 1 M8*20 Hexagon socket head cap screws (SUS304) x2 d8 Plain washers(SUS304) x2 d8 Spring washers (SUS304) x 2

TIN INTERFCE BRACKET #4 HU-TRB-C04

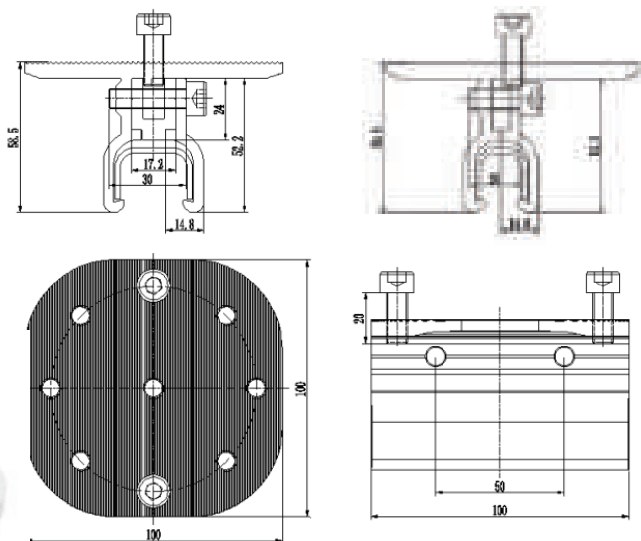


TECHNICAL DATA

Weight (g)	124
BOM	HOP-H12-0050 (AL6005-T5) x 1 HOP-H13-0050 (AL6005-T5) x 1 HOP-K12-0060 (EPDM) x 1 M8*20 Hexagon socket head cap screws (SUS304) x2 d8 Spring washers (SUS304) x2

Tin Roof Clamp (HU-TRB-C)

KLIPLOK INTERFACE BRACKET HU-TRB-C08



TECHNICAL DATA

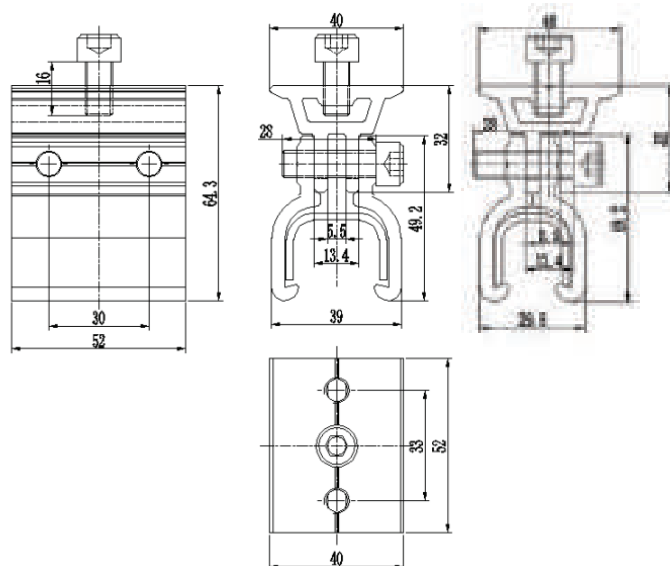
Weight (g) 414

BOM

HOP-H14-0100 (AL6005-T5) x 1
HOP-H15-0100 (AL6005-T5) x 1
HOP-H16-0100 (AL6005-T5) x 1
HOP-K05-0100 (EPDM) x 1
M8*30 Hexagon socket head cap screws (SUS304) x2
M8*20 Hexagon socket head cap screws (SUS304) x2

! APPLICABLE TO BOTH KLIP-LOK 406 & 700

SMALL KLIPLOK INTERFACE BRACKET HU-TRB-C12



TECHNICAL DATA

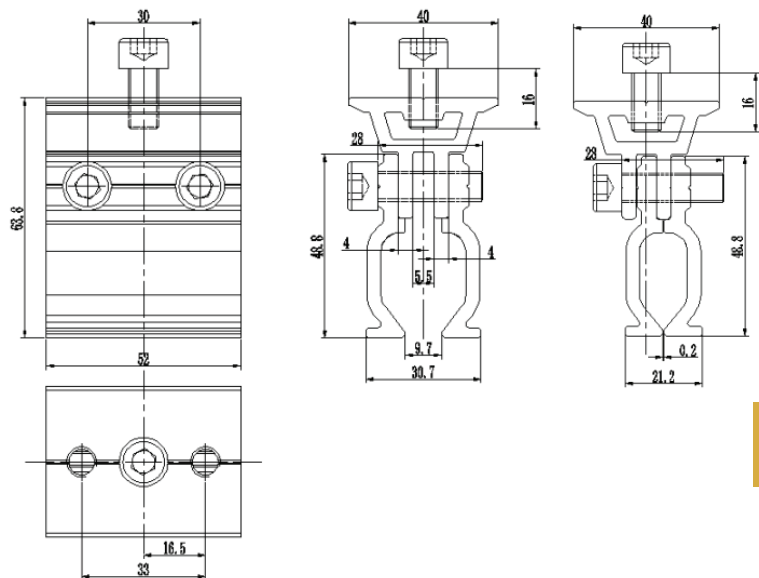
Weight (g) 190

BOM

HOP-H29-0052 (AL6005-T5) x 1
HOP-H30-00052 (AL6005-T5) x 1
HOP-H30-00X52 (AL6005-T5) x 1
HOP-K12-0060 (EPDM) x 1
M8*28 Hexagon socket head cap screws (SUS304) x2
M8*16 Hexagon socket head cap screws (SUS304) x1

! APPLICABLE TO BOTH KLIP-LOK 406 & 700

T-KLK INTERFACE BRACKET
HU-TRB-C14



TECHNICAL DATA

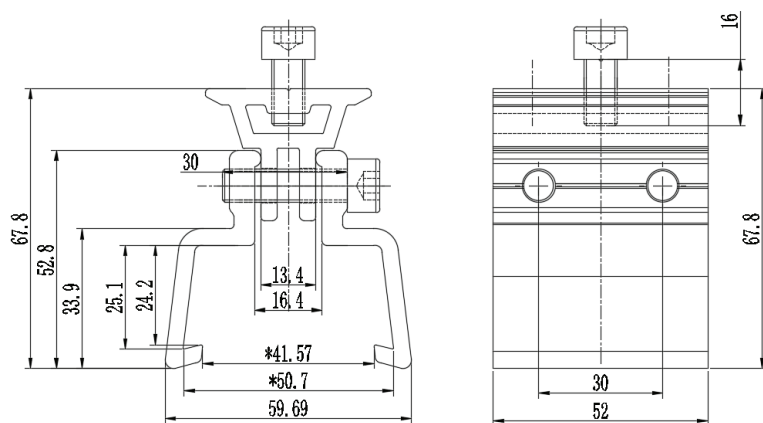
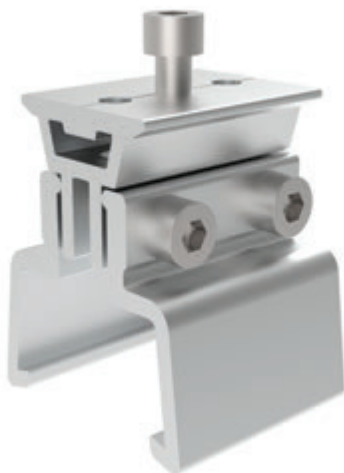
Weight (g) 117

BOM

HOP-H29-0052 (AL6005-T5) x 1
HOP-H90-00052 (AL6005-T5) x 1
HOP-H90-00X52 (AL6005-T5) x 1
M8*28 Hexagon socket head cap screws (SUS304) x2
M8*16 Hexagon socket head cap screws (SUS304) x1

! TWO WIDTH OPTIONS

INTERFACE BRACKET #6
HU-TRB-C15



TECHNICAL DATA

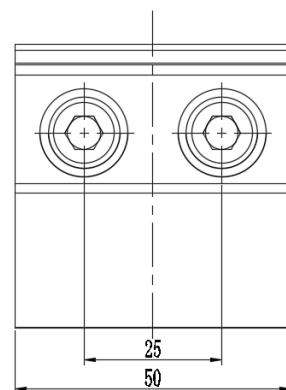
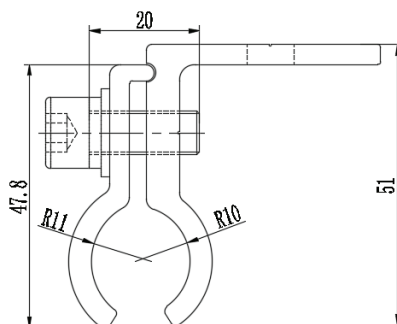
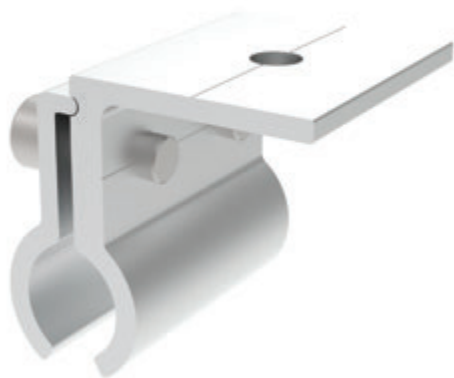
Weight (g) 199

BOM

HOP-H29-0052 (AL6005-T5) x 1
HOP-H40-00052 (AL6005-T5) x 1
HOP-H40-00X52 (AL6005-T5) x 1
M8*30 Hexagon socket head cap screws (SUS304) x2
M8*16 Hexagon socket head cap screws (SUS304) x1

Tin Roof Clamp (HU-TRB-C)

INTERFACE BRACKET #5 HU-TRB-C13



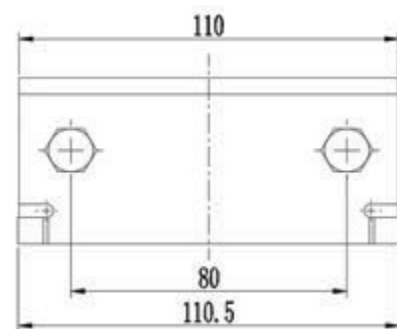
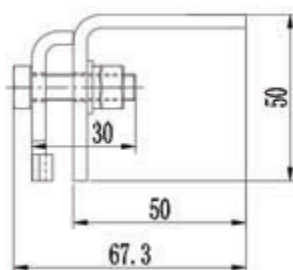
TECHNICAL DATA

Weight (g) 123

BOM

HOP-H38-0050 (AL6005-T5) x 1
HOP-H39-0050 (AL6005-T5) x 1
M8*20 Hexagon socket head cap screws (SUS304) x2
d8 Plain washers(SUS304) x2
d8 Spring washers (SUS304) x 3

STAINLESS STEEL TIN INTERFACE BRACKET #1 HU-TRB-C05



TECHNICAL DATA

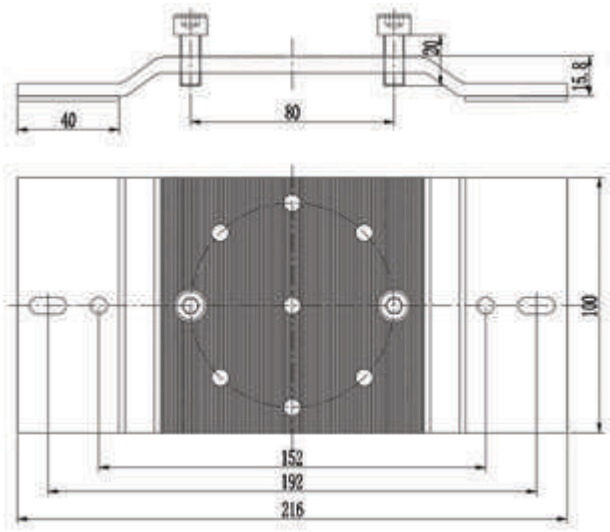
Weight (g) 557

BOM

HOP-L01-0110 (SUS304) x 1
HOP-L02-0110 (SUS304) x 1
M8*30 Hexagon head screws (SUS304) x2
d8 Plain washers(SUS304) x2
d8 Spring washers (SUS304) x2
M8 Hexagon Nuts(SUS304) x2

Data Sheet

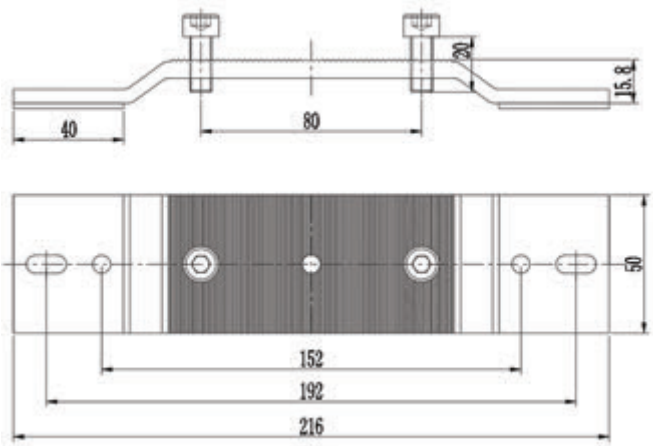
CK INTERFACE BRACKET HU-TRB-C06



TECHNICAL DATA

Weight (g)	396
BOM	HOP-H23-0100 (AL6005-T5) x 1 HOP-K11-0100 (EPDM) x 2 M8*20 Hexagon socket head cap screws (SUS304) x2

CK INTERFACE BRACKET LITE HU-TRB-C07

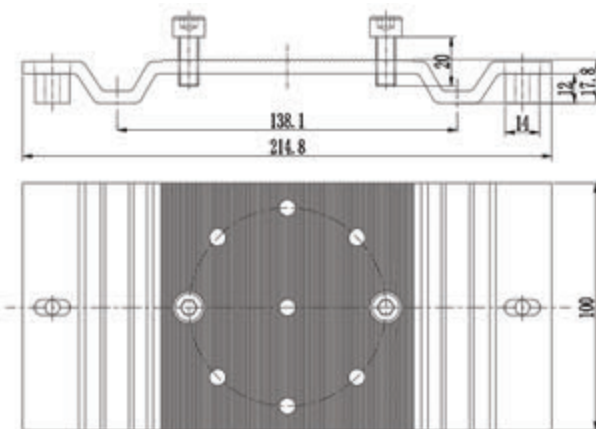


TECHNICAL DATA

Weight (g)	213
BOM	HOP-H23-0050 (AL6005-T5) x 1 HOP-K11-0050 (EPDM) x 2 M8*20 Hexagon socket head cap screws (SUS304) x2

Tin Roof Clamp (HU-TRB-C)

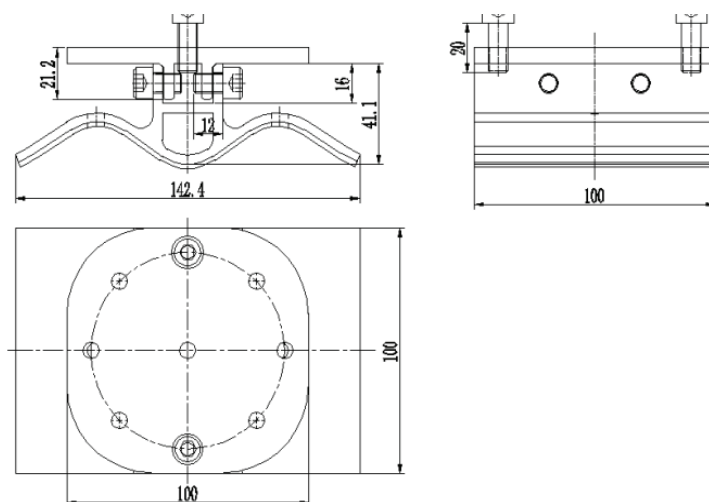
TRIMDEK INTERFACE BRACKET HU-TRB-C09



TECHNICAL DATA

Weight (g)	397
BOM	HOP-H20-0100 (AL6005-T5) x 1 HOP-K06-0100 (EPDM) x 2 M8*20 Hexagon socket head cap screws (SUS304) x2

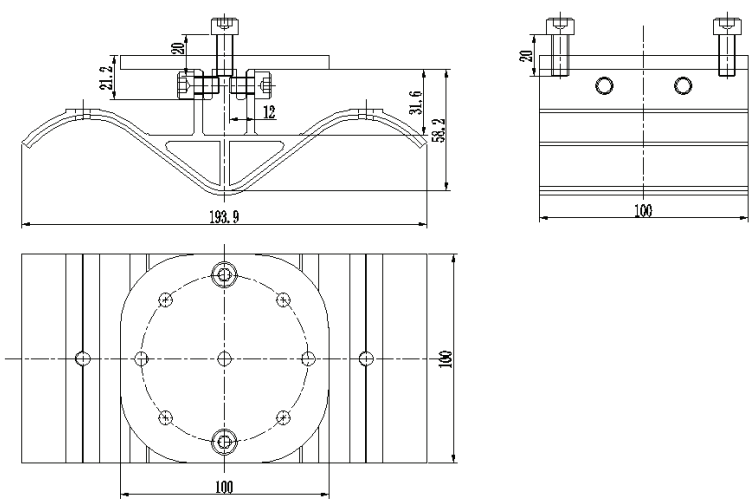
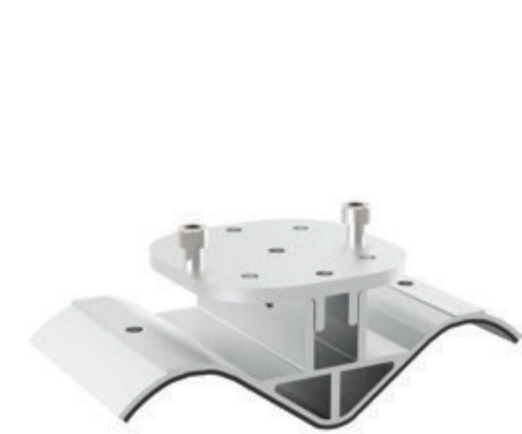
LYSAGHT CUSTOM ORB INTERFACEN BRACKET #1 HU-TRB-C10



TECHNICAL DATA

Weight (g)	570
BOM	HOP-H17-0100 (AL6005-T5) x 1 HOP-H18-0100 (AL6005-T5) x 1 HOP-K09-0160 (EPDM) x 1 M8*20 Hexagon socket head cap screws (SUS304) x2 M8*12 Hexagon socket head cap screws (SUS304) x4

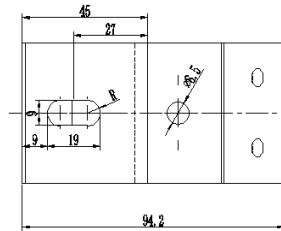
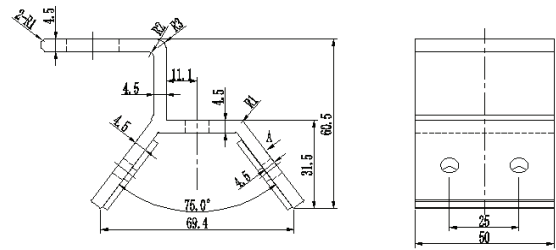
LYSAGHT CUSTOM ORB INTERFACEN BRACKET #2
HU-TRB-C11



TECHNICAL DATA	
Weight (g)	638
BOM	HOP-H17-0100 (AL6005-T5) x 1 HOP-H19-0100 (AL6005-T5) x 1 HOP-K10-0210 (EPDM) x 1 M8*20 Hexagon socket head cap screws (SUS304) x2 M8*12 Hexagon socket head cap screws (SUS304) x4

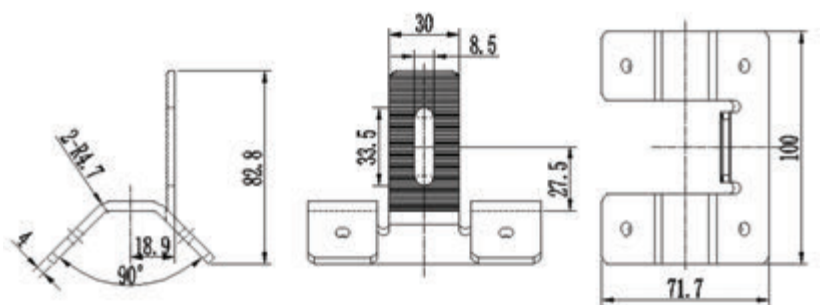
Tin Roof Clamp (HU-TRB-C)

A 3D rendering of a mechanical assembly. It features a dark grey base plate with two circular holes. A vertical support structure is attached to the base, consisting of a vertical plate and a horizontal arm. The horizontal arm has a circular hole and is connected to a smaller vertical plate. The entire assembly is shown in a perspective view.



Weight (g)	176
------------	-----

BOM HOP-H26-0050 (AL6005-T5) x 1
HOP-K27-0050 (EPDM) x 2

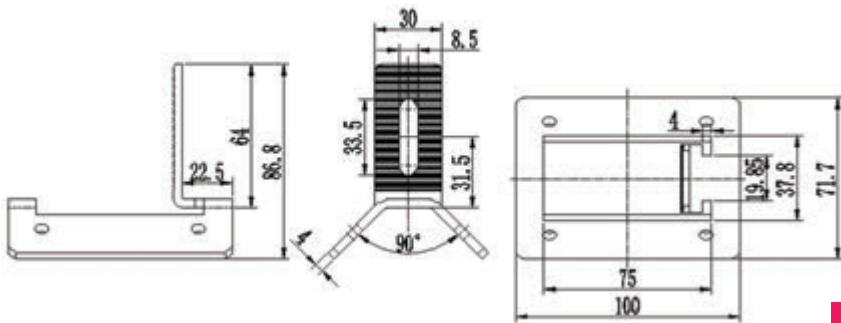


Weight (g)	291
------------	-----

BOM HOP-D011-000 (SUS304) x 1
HOP-K13-0040 (EPDM) x 4

Data Sheet

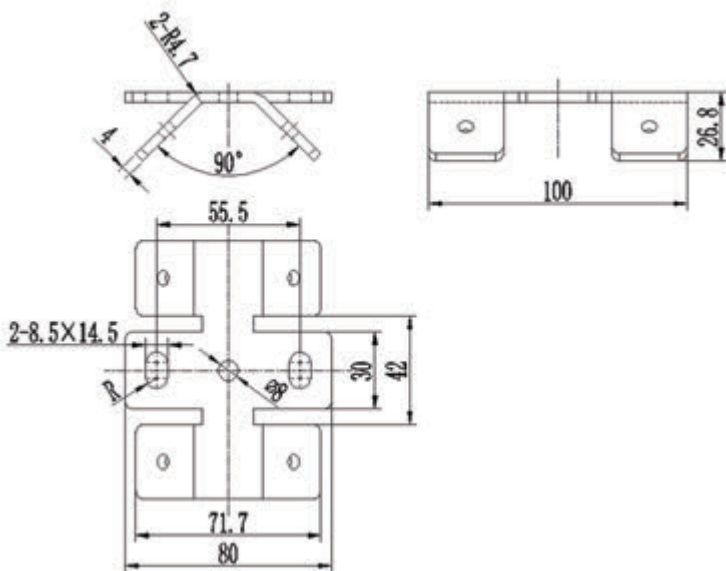
TIN ROOF INTERFACE BRACKET #3 HU-TRB-B03



TECHNICAL DATA

Weight (g)	291
BOM	HOP-D012-000 (SUS304) x 1 HOP-K13-0040 (EPDM) x 4

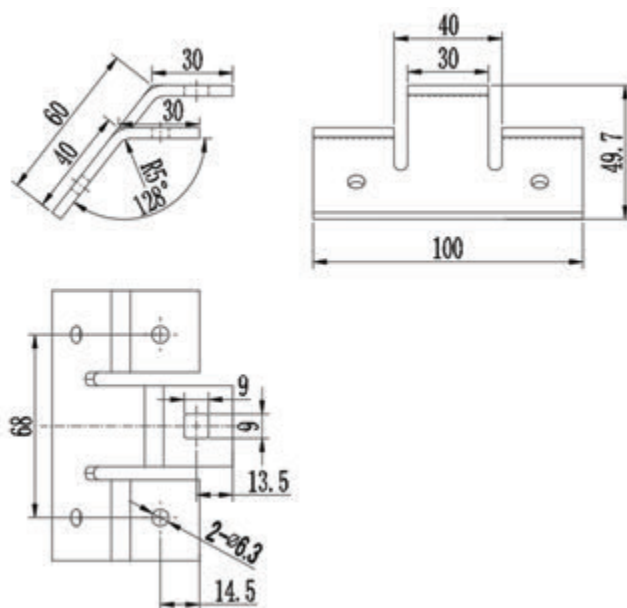
TIN ROOF INTERFACE BRACKET #4 HU-TRB-B04



TECHNICAL DATA

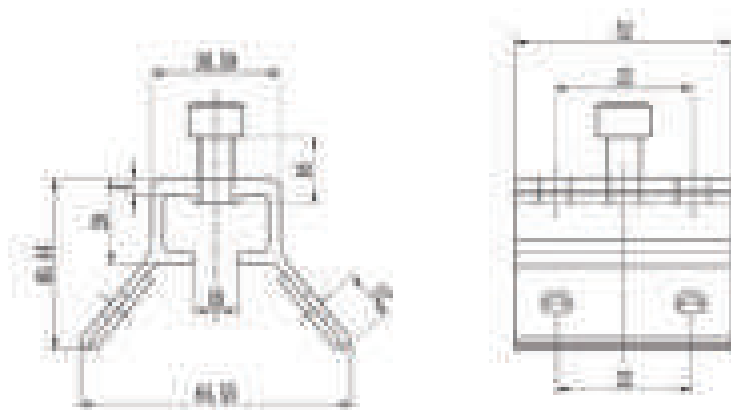
Weight (g)	291
BOM	HOP-D013-000 (SUS304) x 1 HOP-K13-0040 (EPDM) x 4

TIN ROOF BRACKET (HU-TRB-B)



Weight (g)	291
------------	-----

BOM HOP-D014-000 (SUS304) x 1
HOP-K14-0060 (EPDM) x 2



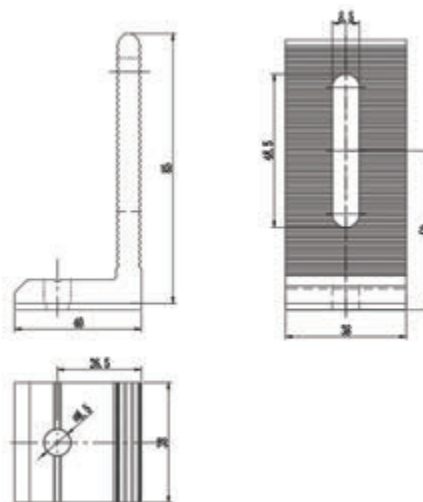
Weight (g)	112
------------	-----

BOM	HOP-H42-0052(AL6005-T5)×1
	HOP-K36-0052(EPDM)×1
	M8x16 Hexagon socket head screws (A2-70)×1
	st6.3*25 Hexagon tapping and self-drilling screws(SUS410) ×4



TIN ROOF BRACKET (HU-TRB-B)

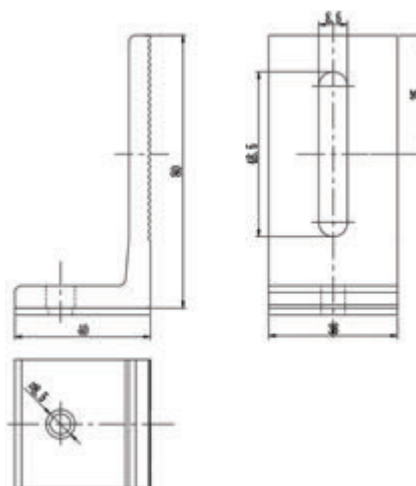
**SELECT L FEET
HU-TRB-F01**



TECHNICAL DATA

Weight (g)	88
BOM	HOP-H01-0038 (AL6005-T5) x 1 HOP-K03-0040 (EPDM) x 1

**L FEET 2#
HU-TRB-F04**

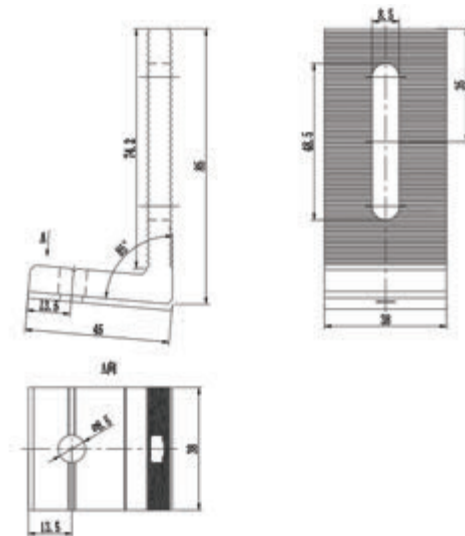


TECHNICAL DATA

Weight (g)	74
BOM	HOP-H24-0038 (AL6005-T5) x 1 HOP-K03-0040 (EPDM) x 1

Data Sheet

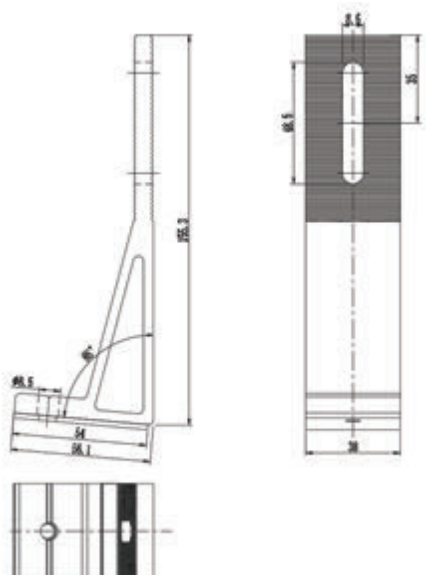
FRONT L FEET 5°
HU-TRB-F10



TECHNICAL DATA

Weight (g)	95
BOM	HOP-H03-0038 (AL6005-T5) x 1 HOP-K18-0045 (EPDM) x 1

REAR L FEET 5°
HU-TRB-F11

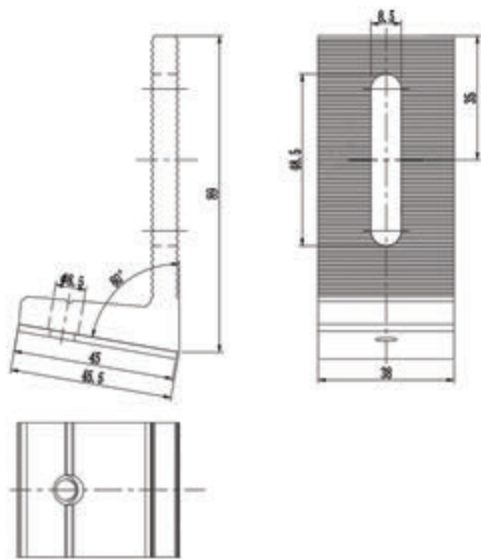


TECHNICAL DATA

Weight (g)	158
BOM	HOP-H04-0038 (AL6005-T5) x 1 HOP-K17-0054 (EPDM) x 1

Tin Roof Mount (HU-TRB-F)

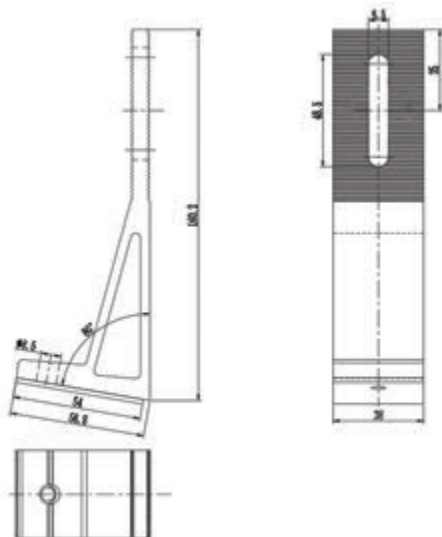
FRONT L FEET 10°
HU-TRB-F12



TECHNICAL DATA

Weight (g)	104
BOM	HOP-H27-0038 (AL6005-T5) x 1 HOP-K18-0045 (EPDM) x 1

REAR L FEET 10°
HU-TRB-F13



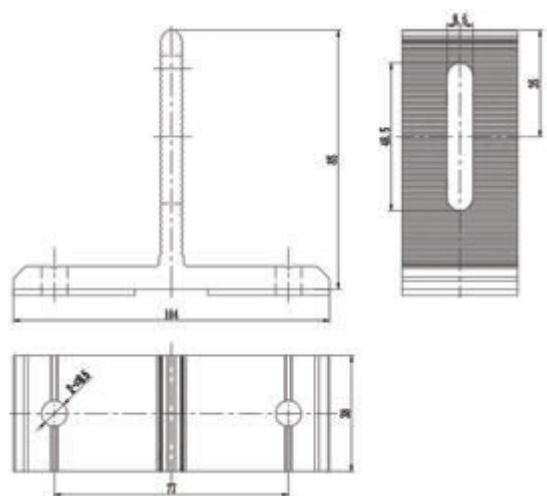
TECHNICAL DATA

Weight (g)	172
BOM	HOP-H28-0038 (AL6005-T5) x 1 HOP-K17-0054 (EPDM) x 1

Tin Roof Mount (HU-TRB-F)

Data Sheet

SELECT T FEET HU-TRB-F03

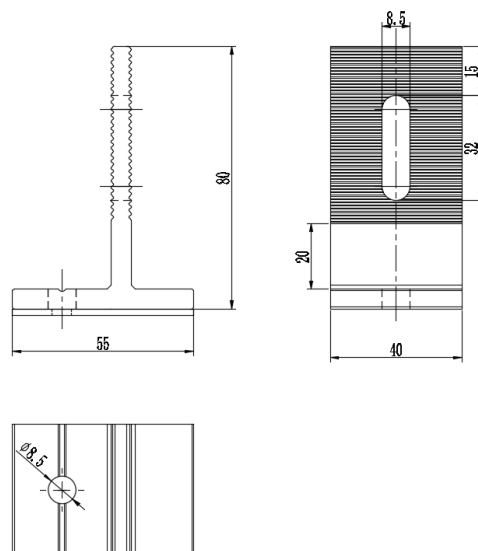


TECHNICAL DATA

Weight (g) 140

BOM HOP-H02-0038 (AL6005-T5) x 1
HOP-K03-0040 (EPDM) x 2

SELECT LIGHT T FEET HU-TRB-F17



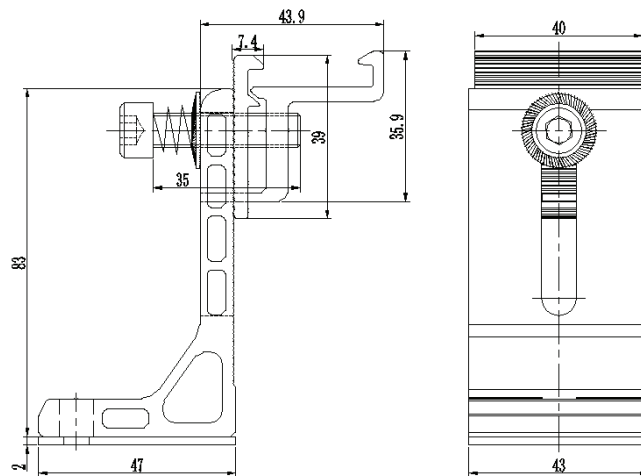
TECHNICAL DATA

Weight (g) 109

BOM HOP-H43-0040 (AL6005-T5) x 1
HOP-K36-0055 (EPDM) x 1
HOP-G91-0020 (AL6005-T5) x 1
M8*28 Hexagon socket head cap screws (SUS304) x1
d8 Spring washers (SUS304) x 1
d8 Disc washers (SUS304) x 1

Tin Roof Mount (HU-TRB-F)

**ULT L FEET
HU-TRB-F08**



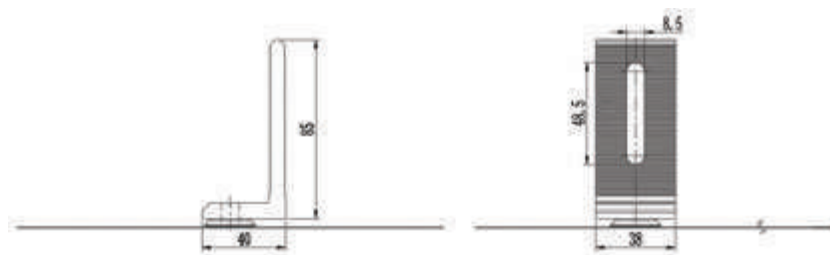
TECHNICAL DATA

Weight (g) 162

BOM

HOP-H05-0043 (AL6005-T5) x 1
HOP-H21-0040 (AL6005-T5) x 1
HOP-H22-0040 (AL6005-T5) x 1
HOP-L92-0016 (SUS301) x 1
HOP-K07-0047 (EPDM) x 1
M8*35 Hexagon socket head cap screws (SUS304) x1
M8×13 Ribbed Lock washers (SUS304) x 1

**SELECT L FEET (WATERPROOF BOARD)
HU-TRB-F06**



TECHNICAL DATA

Weight (g) 312

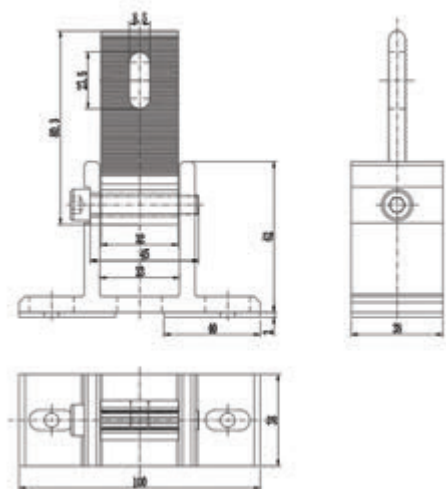
BOM

HOP-H01-0038 (AL6005-T5) x 1
HOP-L24-0305 (Aluminized zinc plate) x 1
HOP-K19-0024 (EPDM) x 1



Tin Roof Mount (HU-TRB-F)

ADJUSTABLE FRONT LEG HU-TRB-AFL



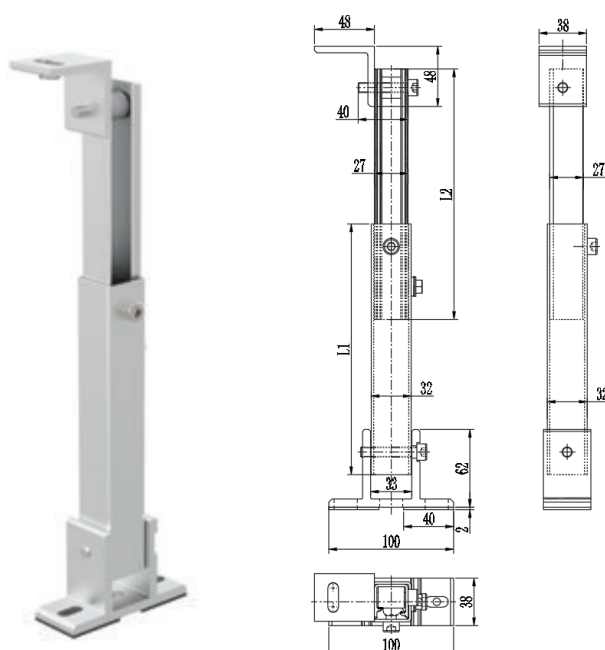
TECHNICAL DATA

Weight (g) 252

BOM

HOP-H81-0038 (AL6005-T5) x 1
HOP-J62-0030 (AL6005-T5) x 1
HOP-K03-0040 (EPDM) x 2
M8*45 Hexagon socket head cap screws (SUS304) x1

ADJUSTABLE REAR LEG HU-TRB-ARL-A00



No	P/N #	Feature Size			Weight
		α	L1	L2	
1	HU-TRB-ARL-A15-NS1	10~15°	200	200	0.549
2	HU-TRB-ARL-A30-NS1	15~30°	360	360	0.721
3	HU-TRB-ARL-A60-NS1	30~60°	660	660	1.045

TECHNICAL DATA

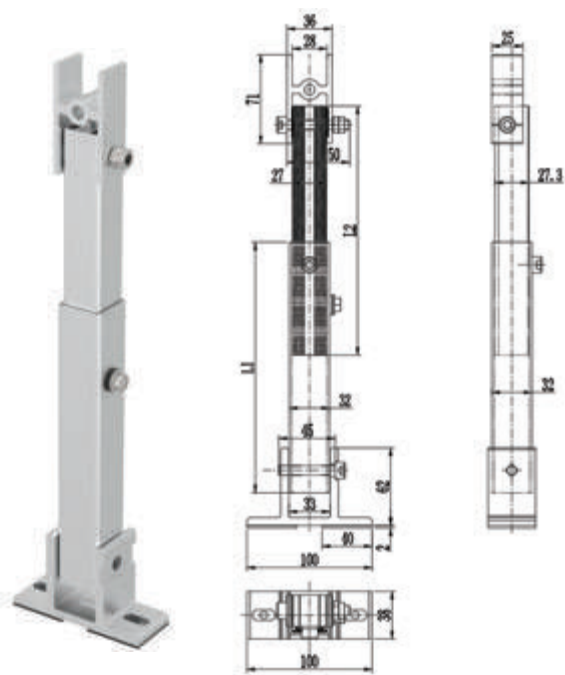
Weight (g) See above table

BOM

HOP-H81-0038 (AL6005-T5) x 1
HOP-J03-0038 (AL6005-T5) x 1
HOP-J05-0000 (AL6005-T5) x 1
HOP-J07-0000 (AL6005-T5) x 1
HOP-J68-0021 (AL6005-T5) x 1
HOP-G94-0020 (AL6005-T5) x 1
HOP-K03-0040 (EPDM) x 2
ST6.3*25 Self-tapping screw(SUS 410) x 1
M8*20 Hexagon socket head cap screws (SUS304) x1
M8*40 Hexagon socket head cap screws (SUS304) x1
M8*45 Hexagon socket head cap screws (SUS304) x1

Data Sheet

ADJUSTABLE REAR LEG 2#
HU-TRB-ARL-F00

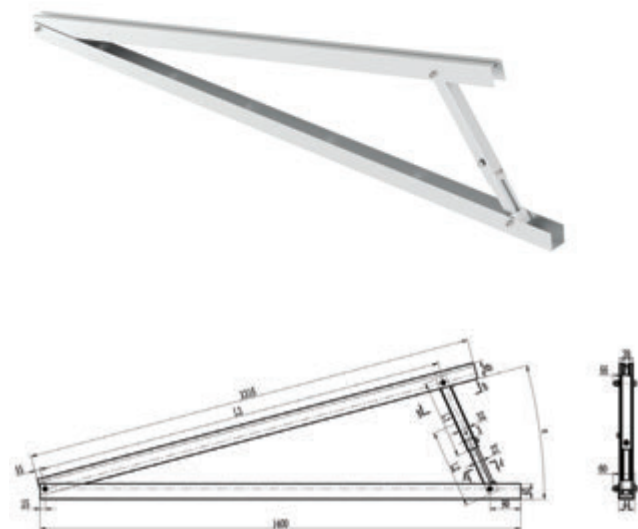


No	P/N #	Feature Size			Weight
		α	L1	L2	
1	HU-TRB-ARL-F15-NS1	10-15°	200	200	0.621
2	HU-TRB-ARL-F30-NS1	15-30°	360	360	0.834
3	HU-TRB-ARL-F60-NS1	30-60°	660	660	1.235

TECHNICAL DATA	
Weight (g)	See above table
BOM	HOP-H81-0038 (AL6005-T5) x 1 HOP-J06-0000 (AL6005-T5) x 1 HOP-J07-0000 (AL6005-T5) x 1 HOP-J63-0025 (AL6005-T5) x 1 HOP-K03-0040 (EPDM) x 2 ST6.3*25 Self-tapping screw(SUS 410) x 1 M8*20 Hexagon socket head cap screws (SUS304) x1 M8*45 Hexagon socket head cap screws (SUS304) x1 M8*50 Hexagon socket head cap screws (SUS304) x1 M8 1 type non metal insert six angle locking nut x 1

Tin Roof Tilt (HU-TRB-A)

ADJUSTABLE A-FRAME KIT HU-TRB-AFK-AA00



No	P/N #	Feature Size				Weight	Suitable for
		α	L1	L2	L3		
1	HU-TRB-AFK-AA15	10~15°	230	230	1200	2.537	10~15°
2	HU-TRB-AFK-AA30	15~30°	340	340	1200	2.656	15~30°
3	HU-TRB-AFK-AA60	30~60°	650	350	1200	2.991	30~60°

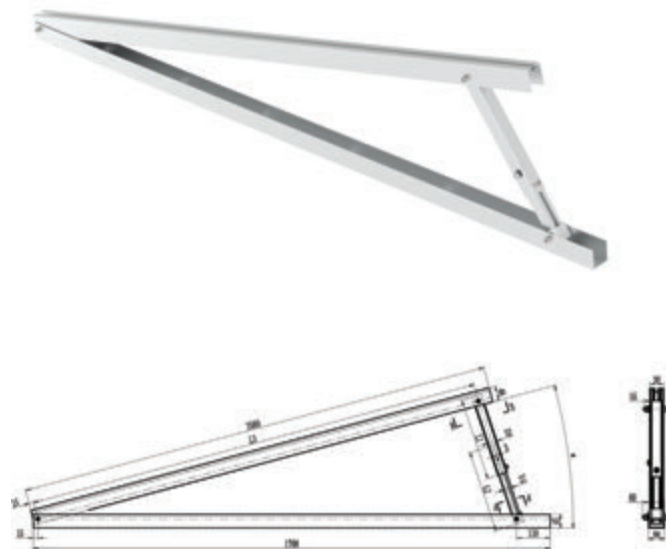
TECHNICAL DATA

Weight (g) See above table

BOM

HOP-E10-1400 (AL6005-T5) x 1
HOP-E11-1315 (AL6005-T5) x 1
HOP-J05-0000 (AL6005-T5) x 1
HOP-J34-0030 (AL6005-T5) x 1
HOP-J07-0000 (AL6005-T5) x 1
HOP-G94-0020 (AL6005-T5) x 1
HOP-J70-0033 (AL6005-T5) x 1
d8 Plain washers(SUS304) x3
d8 Spring washers (SUS304) x3
M8 Hexagon Nuts(SUS304) x3
ST6.3*25 Self-tapping screw(SUS 410) x 1
M8*20 Hexagon socket head cap screws (SUS304) x1
M8*55 Hexagon socket head cap screws (SUS304) x1
M8*60 Hexagon socket head cap screws (SUS304) x2

ADJUSTABLE A-FRAME KIT HU-TRB-AFK-AB00



No	P/N #	Feature Size				Weight	Suitable for
		α	L1	L2	L2		
1	HU-TRB-AFK-AB15	10~15°	270	270	1500	3.005	10~15°
2	HU-TRB-AFK-AB30	15~30°	420	420	1415	3.167	15~30°
3	HU-TRB-AFK-AB60	30~60°	790	790	1415	3.566	30~60°

TECHNICAL DATA

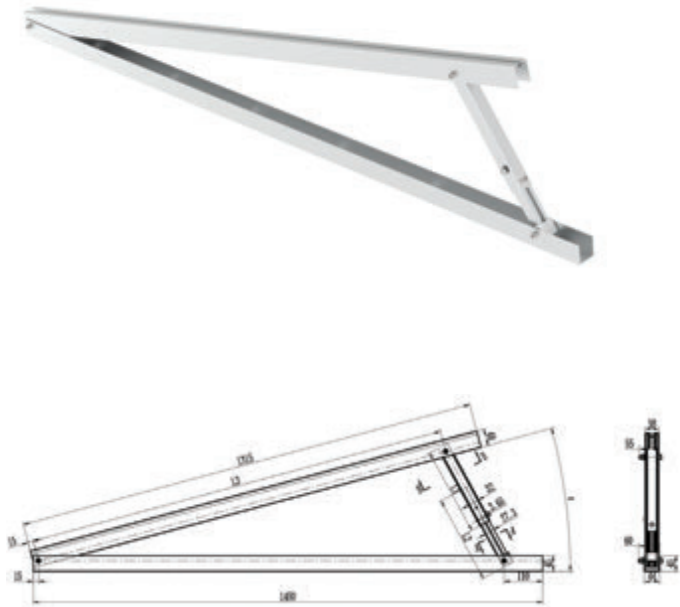
Weight (g) See above table

BOM

HOP-E10-1700 (AL6005-T5) x 1
HOP-E11-1560 (AL6005-T5) x 1
HOP-J05-0000 (AL6005-T5) x 1
HOP-J34-0030 (AL6005-T5) x 1
HOP-J07-0000 (AL6005-T5) x 1
HOP-G94-0020 (AL6005-T5) x 1
HOP-J70-0033 (AL6005-T5) x 1
d8 Plain washers(SUS304) x3
d8 Spring washers (SUS304) x3
M8 Hexagon Nuts(SUS304) x3
ST6.3*25 Self-tapping screw(SUS 410) x 1
M8*20 Hexagon socket head cap screws (SUS304) x1
M8*55 Hexagon socket head cap screws (SUS304) x1
M8*60 Hexagon socket head cap screws (SUS304) x2

Data Sheet

ADJUSTABLE A-FRAME KIT
HU-TRB-AFK-AC00

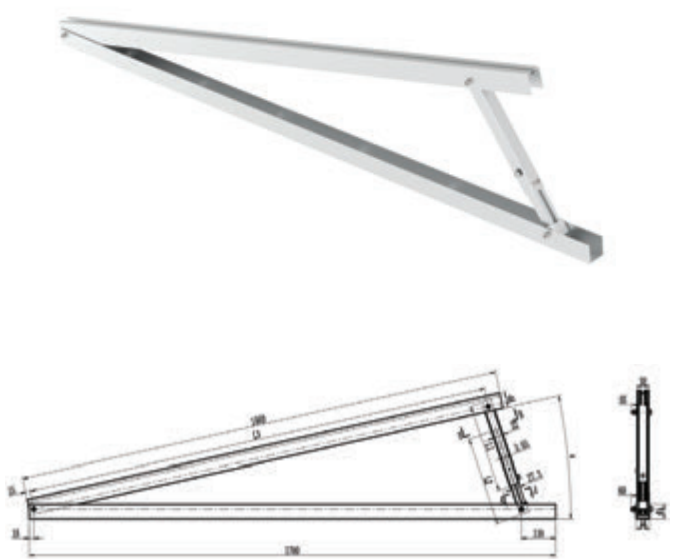


 ADJUSTMENT HOLES LOCATED ON THE BOTTOM BEAM.

No	P/N #	Feature Size				Weight	Suitable for
		α	L1	L2	L3		
1	HU-TRB-AFK-AC15	10~15°	250	250	1200	2.668	10~15°
2	HU-TRB-AFK-AC30	15~30°	355	355	1200	2.808	15~30°
3	HU-TRB-AFK-AC60	30~60°	660	660	1200	3.215	30~60°

TECHNICAL DATA	
Weight (g)	See above table
BOM	HOP-E10-1450 (AL6005-T5) x 1 HOP-E11-1315 (AL6005-T5) x 1 HOP-J06-0000 (AL6005-T5) x 1 HOP-J34-0030 (AL6005-T5) x 1 HOP-J07-0000 (AL6005-T5) x 1 HOP-J70-0033 (AL6005-T5) x 1 d8 Plain washers(SUS304) x3 d8 Spring washers (SUS304) x3 M8 Hexagon Nuts(SUS304) x3 M8 Hexagon nut with flange x 1 ST6.3*25 Self-tapping screw(SUS 410) x 1 M8*20 Hexagon socket head cap screws (SUS304) x1 M8*55 Hexagon socket head cap screws (SUS304) x1 M8*60 Hexagon socket head cap screws (SUS304) x2

ADJUSTABLE A-FRAME KIT
HU-TRB-AFK-AD00

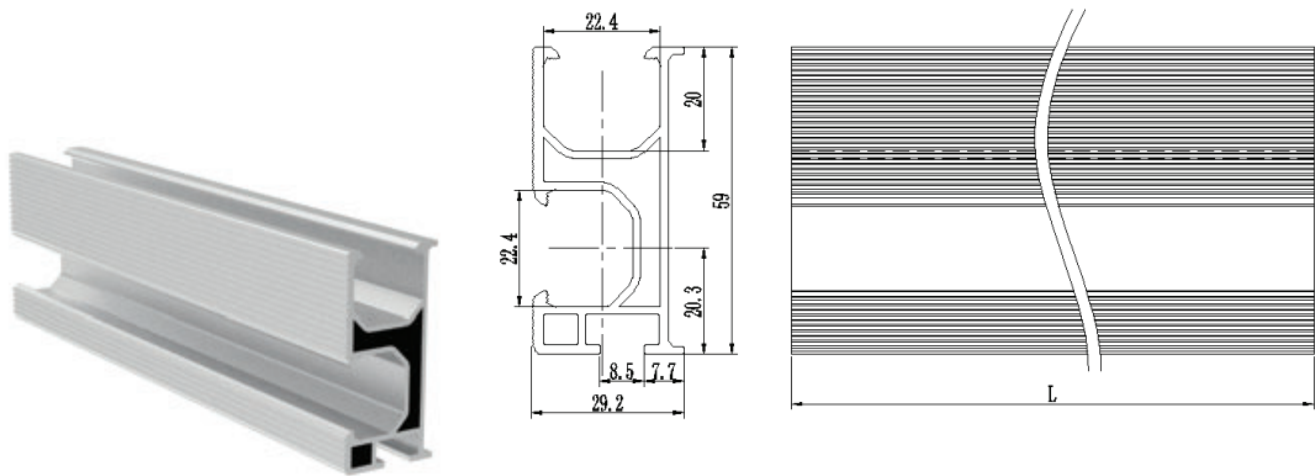


No	P/N #	Feature Size				Weight	Suitable for
		α	L1	L2	L3		
1	HU-TRB-AFK-AD15	10~15°	270	270	1500	3.632	10~15°
2	HU-TRB-AFK-AD30	15~30°	430	430	1415	3.846	15~30°
3	HU-TRB-AFK-AD60	30~60°	830	830	1415	4.379	30~60°

TECHNICAL DATA	
Weight (g)	See above table
BOM	HOP-E10-1700 (AL6005-T5) x 1 HOP-E11-1560 (AL6005-T5) x 1 HOP-J06-0000 (AL6005-T5) x 1 HOP-J34-0030 (AL6005-T5) x 1 HOP-J07-0000 (AL6005-T5) x 1 HOP-J70-0033 (AL6005-T5) x 1 M8 Hexagon nut with flange x 1 d8 Plain washers(SUS304) x3 d8 Spring washers (SUS304) x3 M8 Hexagon Nuts(SUS304) x3 ST6.3*25 Self-tapping screw(SUS 410) x 1 M8*20 Hexagon socket head cap screws (SUS304) x1 M8*55 Hexagon socket head cap screws (SUS304) x1 M8*60 Hexagon socket head cap screws (SUS304) x2

A-Frame Kit (HU-TRB-AFK)

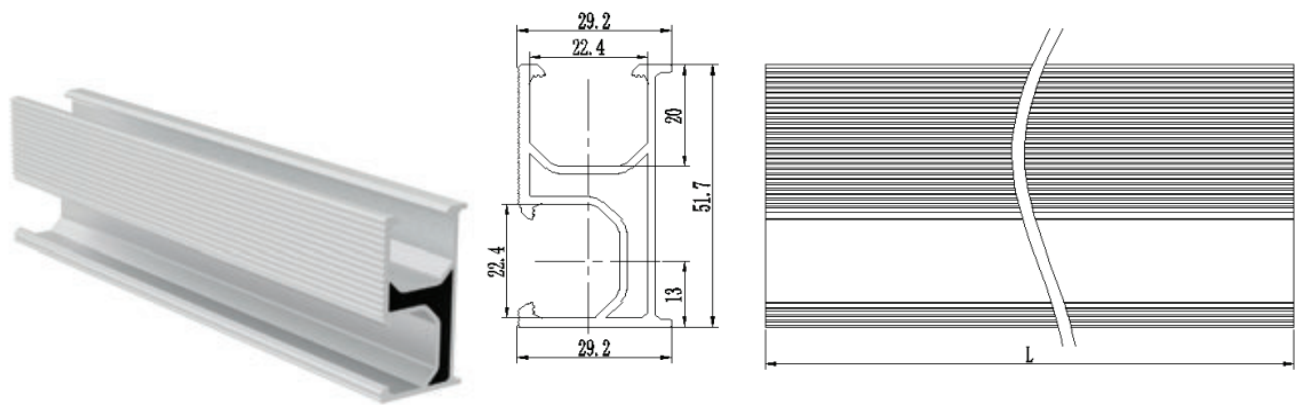
SSA RAIL
HU-RA-SSA-0000



TECHNICAL DATA	
Weight (kg/m)	0.988
BOM	HOP-F17-0000 (AL6005-T5) x 1

Rail (HU-RA-)

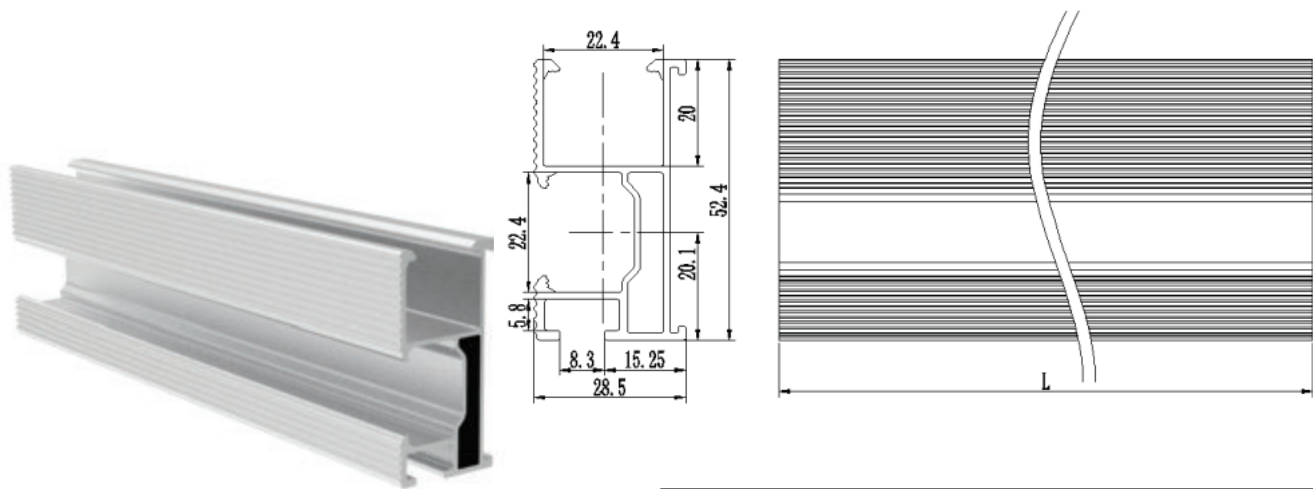
SSB RAIL
HU-RA-SSB-0000



No	P/N #	Description	Weight (kg/m)	BOM
1	HU-RA-SSB-0000	Standard Version	0.739	HOP-F31-0000 (AL6005-T5) x 1
2	HU-RA-SSB(HD)-0000	Hard Version	0.845	HOP-F18-0000 (AL6005-T5) x 1
3	HU-RA-SSB(Lite)-0000	Lite Version	0.700	HOP-F19-0000 (AL6005-T5) x 1

Data Sheet

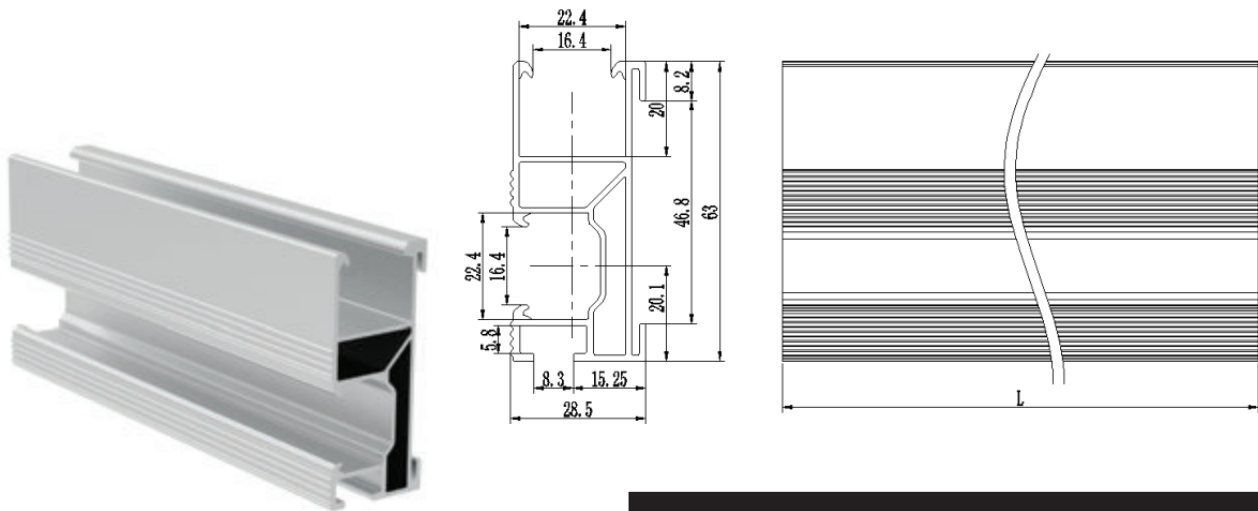
SSC RAIL HU-RA-SSC-0000



TECHNICAL DATA

Weight (kg/m)	0.687
BOM	HOP-F30-0000 (AL6005-T5) x 1

SSE RAIL HU-RA-SSE-0000

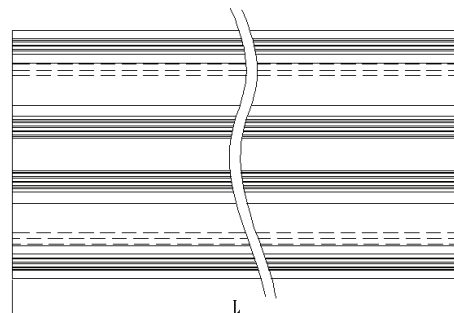
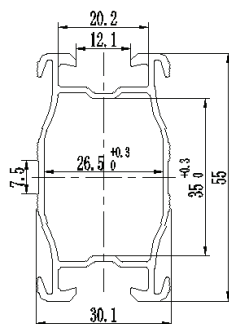


TECHNICAL DATA

Weight (kg/m)	0.886
BOM	HOP-F41-0000 (AL6005-T5) x 1

Rail (HU-RA-)

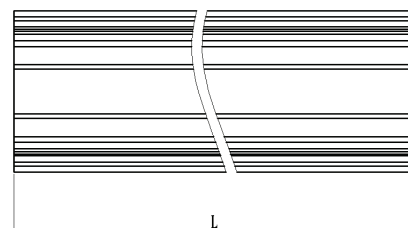
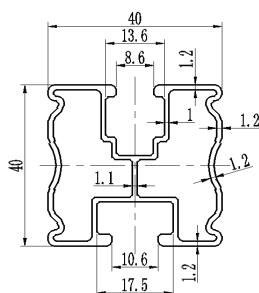
ULT STANDARD RAIL
HU-RA-ULT-0000



TECHNICAL DATA

Weight (g/m)	0.718
BOM	HOP-F26-0000 (AL6005-T5) x 1

EU RAIL
HU-RA-EU-0000



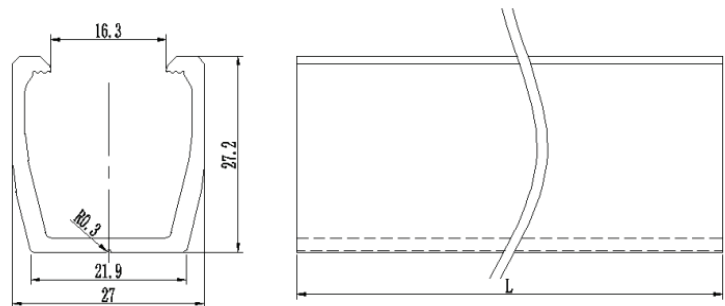
TECHNICAL DATA

Weight (kg/m)	0.811
BOM	HOP-F48-0000 (AL6005-T5) x 1

Rail (HU-RA-)

Data Sheet

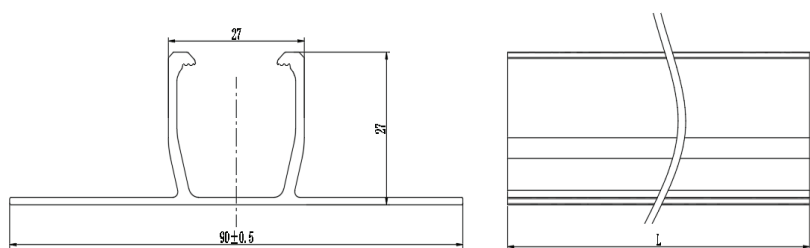
SSU RAIL HU-RA-SSU-0000



TECHNICAL DATA

Weight (kg/m)	0.458
BOM	HOP-F22-0000 (AL6005-T5) x 1

SSP RAIL HU-RA-SSP-0000

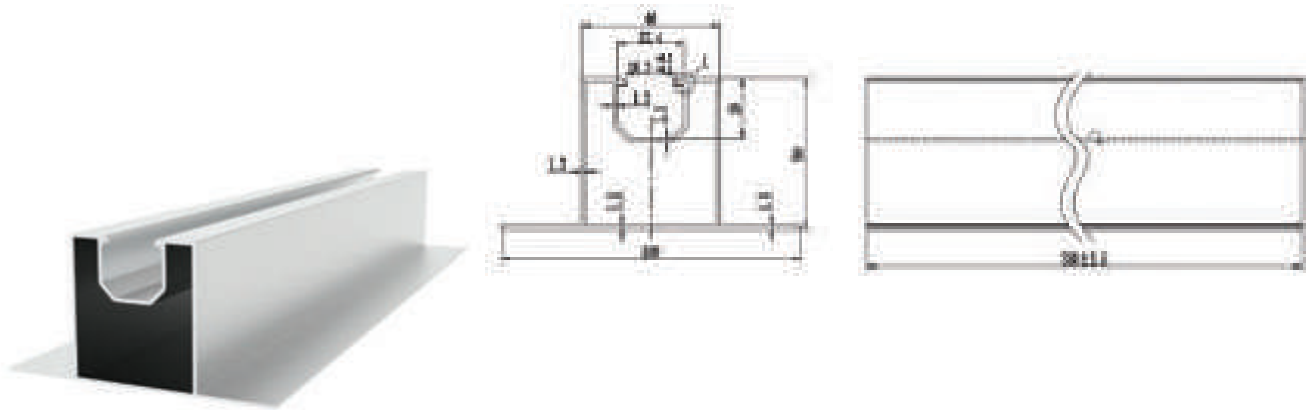


TECHNICAL DATA

Weight (kg/m)	0.630
BOM	HOP-F46-0000 (AL6005-T5) x 1

Rail (HU-RA-)

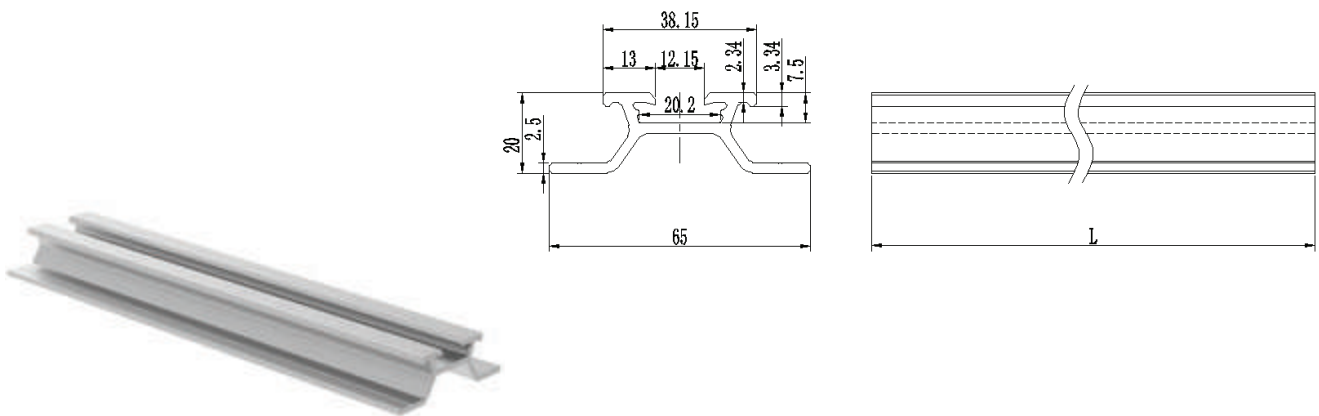
MSR RAIL
HU-RA-MSR-0000



TECHNICAL DATA

Weight (kg/m)	0.999
BOM	HOP-F25-0000 (AL6005-T5) x 1

ULS RAIL
HU-RA-ULS-0000



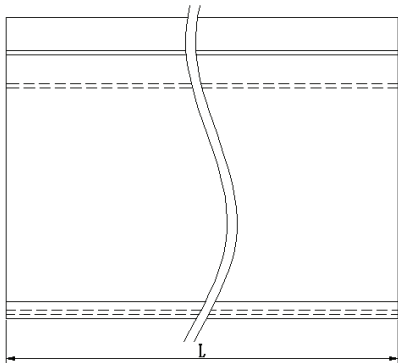
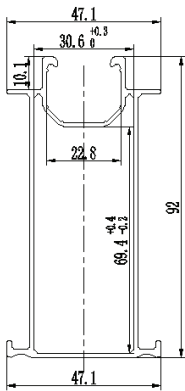
TECHNICAL DATA

Weight (kg/m)	0.784
BOM	HOP-T56-0000 (AL6005-T5) x 1

Rail (HU-RA-)

Data Sheet

GXR RAIL HU-RA-GXR-0000

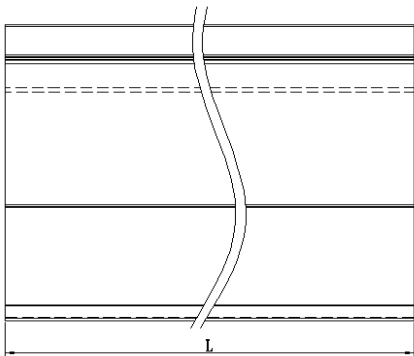
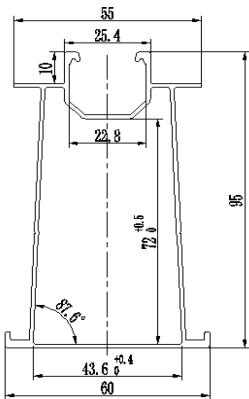


TECHNICAL DATA

Weight (kg/m) 1.04

BOM HOP-F15-0000 (AL6005-T5) x 1

GDR RAIL HU-RA-GDR-0000



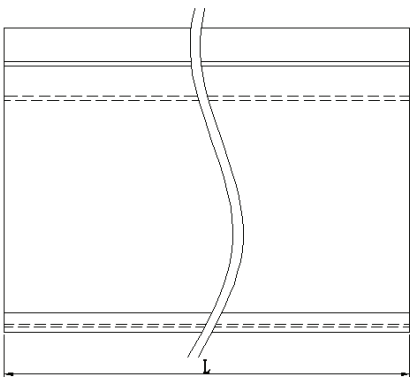
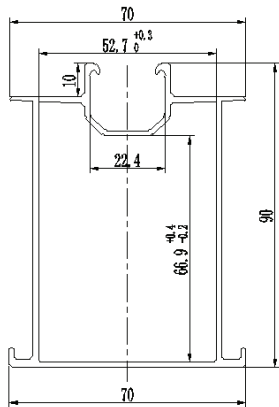
TECHNICAL DATA

Weight (kg/m) 1.147

BOM HOP-F42-0000 (AL6005-T5) x 1

Rail (HU-RA-)

GHR RAIL
HU-RA-GHR-0000

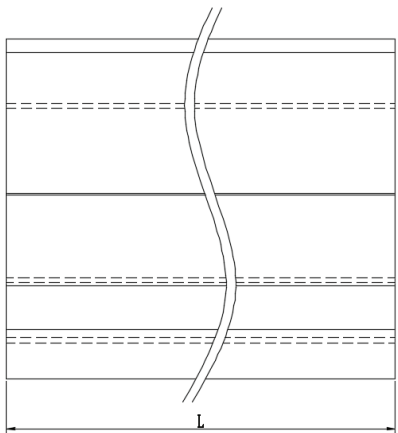
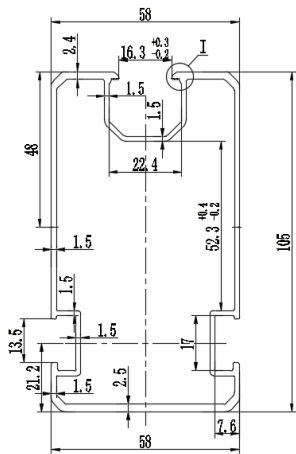


TECHNICAL DATA

Weight (kg/m) 1.488

BOM HOP-F13-0000 (AL6005-T5) x 1

GCR RAIL
HU-RA-GCR-0000



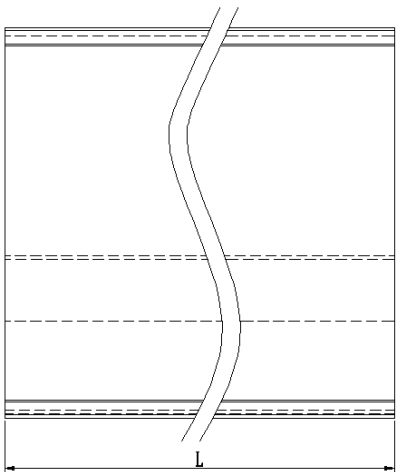
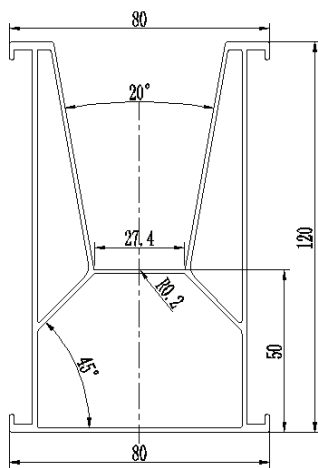
TECHNICAL DATA

Weight (kg/m) 1.824

BOM HOP-F07-0000 (AL6005-T5) x 1

Rail (HU-RA-)

GVR RAIL
HU-RA-GVR-0000



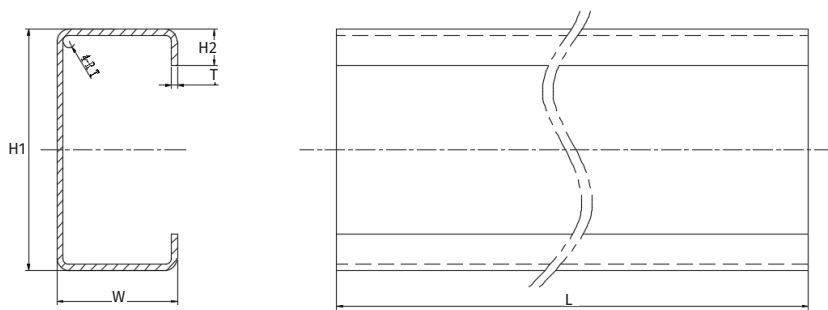
TECHNICAL DATA

Weight (kg/m)	2.295
BOM	HOP-F32-0000 (AL6005-T5) x 1

Rail (HU-RA-)

Data Sheet

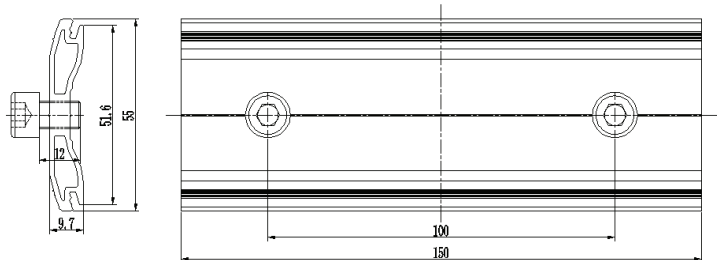
C TYPE STEEL RAIL
HOP-M16-0000



No	Specification	Feature Size (mm)				Strength	Material
		H1	W	H2	T		
1	120*60*20-T	120	60	20±1	1.5, 1.8, 2.0, 2.3, 2.5	235-600MPa	ZAM
2	100*50*15-T	100	50	15±1	1.5, 1.8, 2.0, 2.3, 2.5	235-600MPa	ZAM
3	80*40*20-T	80	40	20±1	1.5, 1.8, 2.0, 2.3, 2.5	235-600MPa	ZAM
4	80*40*15-T	80	40	15±1	1.5, 1.8, 2.0, 2.3, 2.5	235-600MPa	ZAM
5	60*40*15-T	60	40	15±1	1.5, 1.8, 2.0, 2.3, 2.5	235-600MPa	ZAM
5	60*30*15-T	60	30	15±1	1.5, 1.8, 2.0, 2.3, 2.5	235-600MPa	ZAM

Rail (HU-RA-)

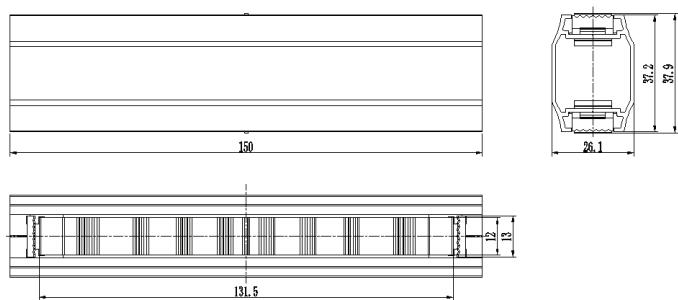
ULT OUTER JOINER
HU-SK-ULO



TECHNICAL DATA

Weight (g)	114
BOM	HOP-F29-0150 (AL6005-T5) x 1 M8*12 Hexagon socket head cap screws (SUS304) x2

ULT Inner Rail Joiner
HU-SK-ULI



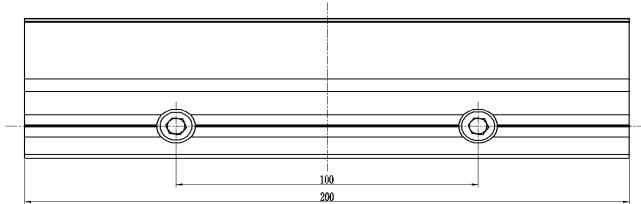
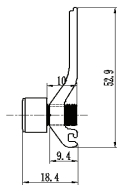
TECHNICAL DATA

Weight (g)	78
BOM	HOP-F27-0150 (AL6005-T5) x 1 HOP-F28-0012 (AL6005-T5) x 2 HOP-L22-0015 (SUS304) x 4

Rail Joiner (HU-SK-)

Data Sheet

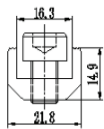
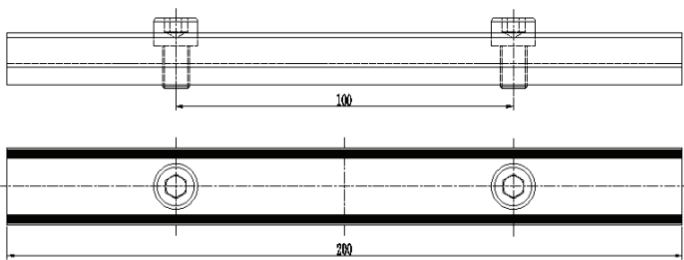
SSC RAIL OUTER JOINER #1 HU-SK-SSC-01



TECHNICAL DATA

Weight (g)	108
BOM	HOP-F36-0200 (AL6005-T5) x 1 M8*10 Hexagon socket head cap screws (SUS304) x2

SELECT RAIL JOINER HU-SK-SSB

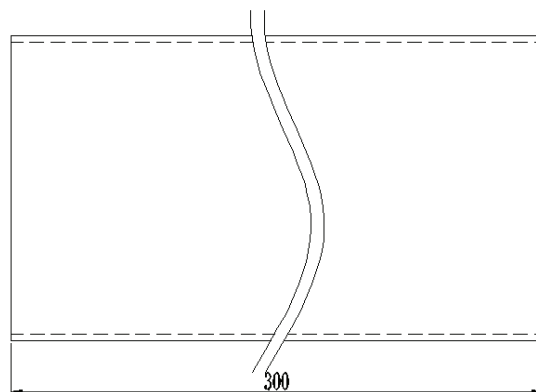
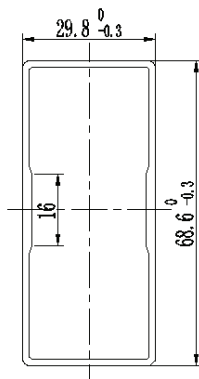


TECHNICAL DATA

Weight (g)	108
BOM	HOP-F23-0200 (AL6005-T5) x 1 M8*12 Hexagon socket head cap screws (SUS304) x2

Rail Joiner (HU-SK-)

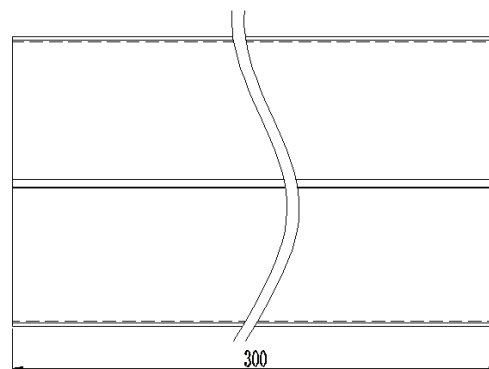
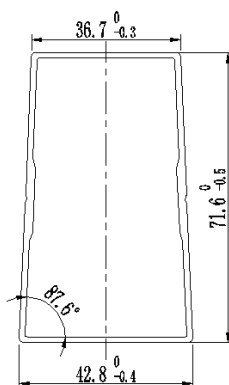
GXR RAIL JOINER
HU-SK-GXR-0300



TECHNICAL DATA

Weight (g)	234
BOM	HOP-F16-0300 (AL6005-T5) x 1 ST6.3*25 Self-tapping screw(SUS 410) x8

GDR RAIL JOINER
HU-SK-GDR-0300

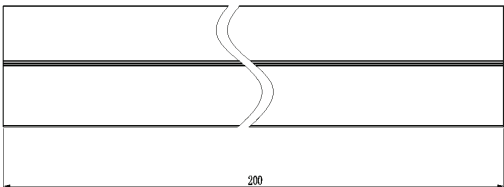
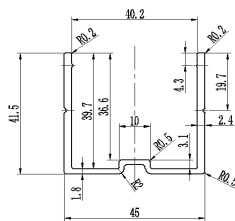


TECHNICAL DATA

Weight (g)	266
BOM	HOP-F43-0300 (AL6005-T5) x 1 ST6.3*25 Self-tapping screw(SUS 410) x8

Data Sheet

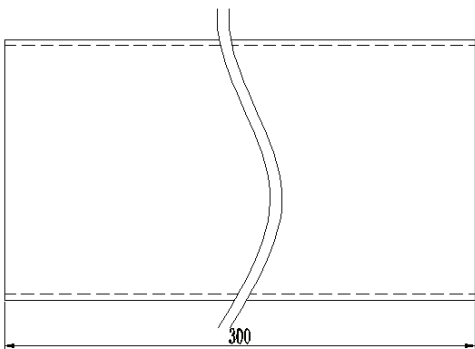
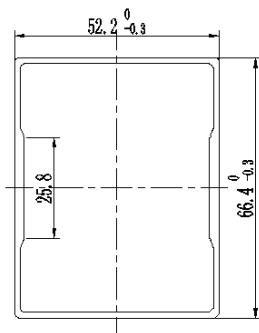
EU RAIL JOINER HU-SK-EU



TECHNICAL DATA

Weight (g)	144
BOM	HOP-F50-0200 (AL6005-T5) x 1 ST6.3*25 Self-tapping screw(SUS 410) x4

GHR RAIL JOINER HU-SK-GHR-0300



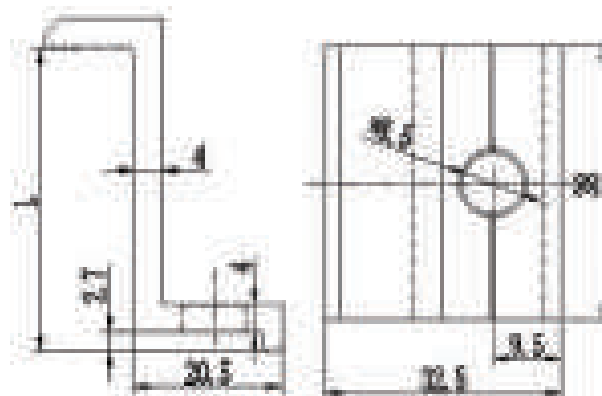
TECHNICAL DATA

Weight (g)	326
BOM	HOP-F14-0300 (AL6005-T5) x 1 ST6.3*25 Self-tapping screw(SUS 410) x8

Rail Joiner (HU-SK-)

SELECT END CLAMP

HU-PC-ECS00-NS1



No	P/N #	Feature Size L (mm)	Panel Size (mm)	Weight (g)
1	HU-PC-ECS25-NS1	24.7	25	55
2	HU-PC-ECS30-NS1	29.7	30	61
3	HU-PC-ECS35-NS1	34.7	35	61
4	HU-PC-ECS38-NS1	37.7	38	63
5	HU-PC-ECS40-NS1	39.7	40	65
6	HU-PC-ECS42-NS1	41.7	42	67
7	HU-PC-ECS45-NS1	44.7	45	65
8	HU-PC-ECS50-NS1	49.7	50	67

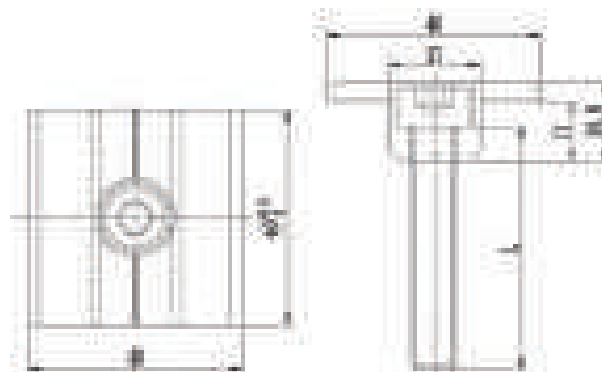
TECHNICAL DATA

Weight (g) See above table

BOM HOP-G01-0040 (AL6005-T5) x 1
HOP-G91-0020 (AL6005-T5) x 1
M8*25 Hexagon socket head cap screws (SUS304) x1

SELECT INNER CLAMP

HU-PC-ICS00-NS1



No	P/N #	Feature Size L (mm)	Panel Size (mm)	Weight (g)
1	HU-PC-ICS25-NS1	35	25	63
2	HU-PC-ICS30-NS1	40	30	64
3	HU-PC-ICS35-NS1	45	35	67
4	HU-PC-ICS38-NS1	50	38	69
5	HU-PC-ICS40-NS1	50	40	69
6	HU-PC-ICS42-NS1	50	42	69
7	HU-PC-ICS45-NS1	55	45	72
8	HU-PC-ICS50-NS1	60	50	73

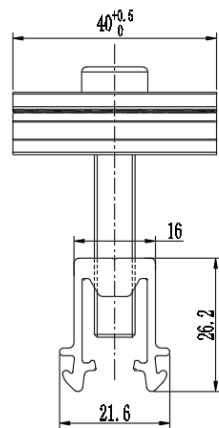
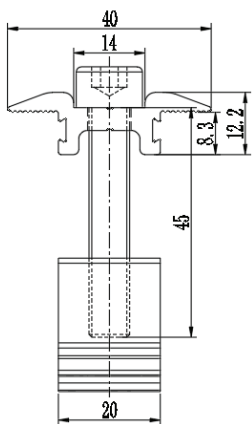
TECHNICAL DATA

Weight (g) See above table

BOM HOP-G03-0040 (AL6005-T5) x 1
HOP-G91-0020 (AL6005-T5) x 1
M8*L Hexagon socket head cap screws (SUS304) x1

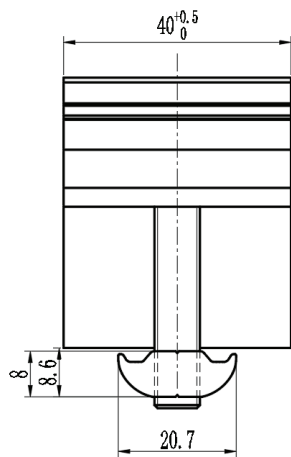
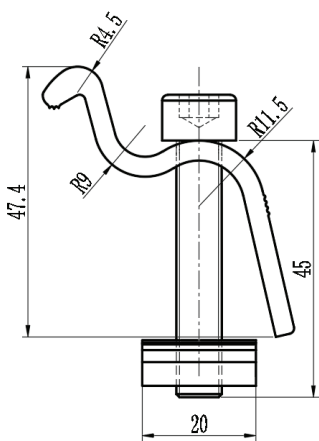
Data Sheet

FITS INNER CLAMP (30-40mm)
HU-PC-FIC40-NS4



TECHNICAL DATA	
Weight (g)	63
BOM	HOP-G40-0020 (AL6005-T5) x 1 HOP-G41-0040 (AL6005-T5) x 1 M8*45 Hexagon socket head cap screws (SUS304) x1

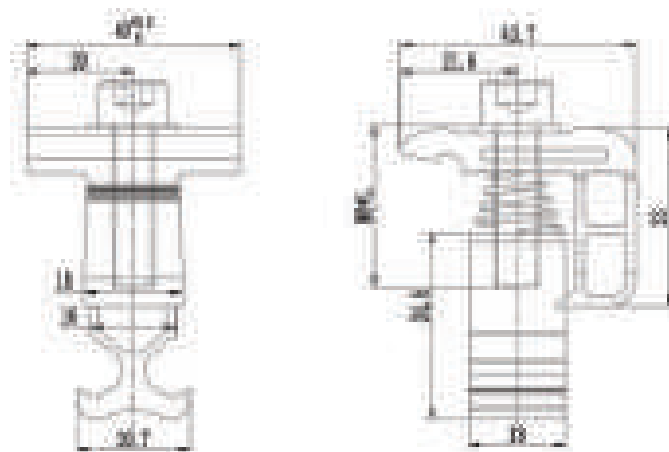
FITS END CLAMP (30-45mm)
HU-PC-FEC45-NS2



TECHNICAL DATA	
Weight (g)	61
BOM	HOP-G39-0040 (AL6005-T5) x 1 HOP-G92-0020 (AL6005-T5) x 1 M8*45 Hexagon socket head cap screws (SUS304) x1

Panel Clamp (HU-PC-)

UNIVERSAL PANEL CLAMP HU-PC-SUC00



NO.	P/N #	FEARURE SIZE L (mm)	PANEL SIZE (mm)	WEIGHT (g)
1	H U - P C - SUC30	30	30-40	75
2	H U - P C - SUC40	40	45-50	79



CAN BE USED AS EITHER A MID CLAMP OR AN END CLAMP.

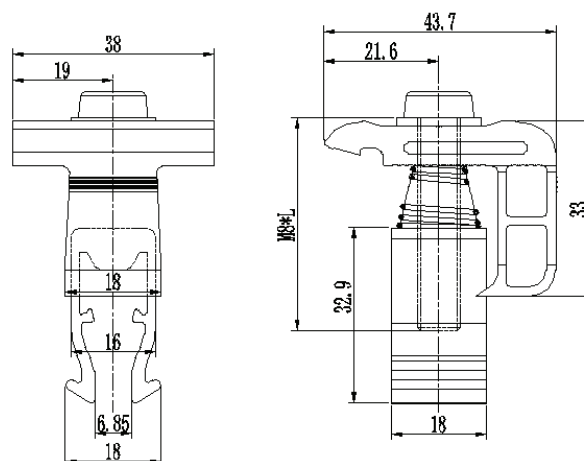
TECHNICAL DATA

Weight (g) 54

BOM

HOP-G19-0040 (AL6005-T5) x 1
HOP-G36-0018 (AL6005-T5) x 1
HOP-L92-0016 (SUS301) x 1
M8*L Hexagon socket head cap screws (SUS304) x1
d8 Plain washers (SUS304) x 1

ULT UNIVERSAL PANEL CLAMP HU-PC-UPC00



NO.	P/N #	FEARURE SIZE L (mm)	PANEL SIZE (mm)	WEIGHT (g)
1	H U - P C - UPC40	40	30-40	74
2	H U - P C - UPC50	50	45-50	78



CAN BE USED AS EITHER A MID CLAMP OR AN END CLAMP.

TECHNICAL DATA

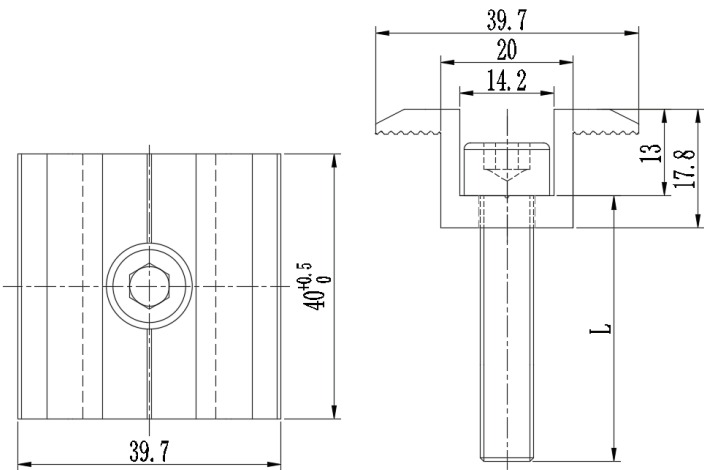
Weight (g) See Table

BOM

HOP-G19-0038 (AL6005-T5) x 1
HOP-G20-0018 (AL6005-T5) x 1
HOP-L92-0016 (SUS301) x 1
M8*L Hexagon socket head cap screws (SUS304) x1
d8 Plain washers(SUS304) x1

Data Sheet

STANDARD INNER CLAMP HU-PC-ICL00-NS1

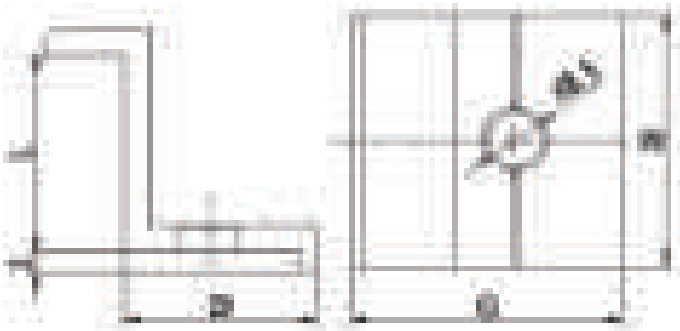


No	P/N #	Feature Size L (mm)	Panel Size (mm)	Weight (g)
1	HU-PC-ICL25-NS1	30	25	50
2	HU-PC-ICL30-NS1	35	30	52
3	HU-PC-ICL35-NS1	40	35	54
4	HU-PC-ICL38-NS1	45	38	56
5	HU-PC-ICL40-NS1	45	40	56
6	HU-PC-ICL42-NS1	45	42	56
7	HU-PC-ICL45-NS1	50	45	58
8	HU-PC-ICL50-NS1	55	50	60

TECHNICAL DATA

Weight (g)	See above table
BOM	HOP-G25-0040 (AL6005-T5) x 1 HOP-G91-0020 (AL6005-T5) x 1 M8*L Hexagon socket head cap screws (SUS304) x1

HORIZONTAL END CLAMP HU-PC-ECH00-NS1



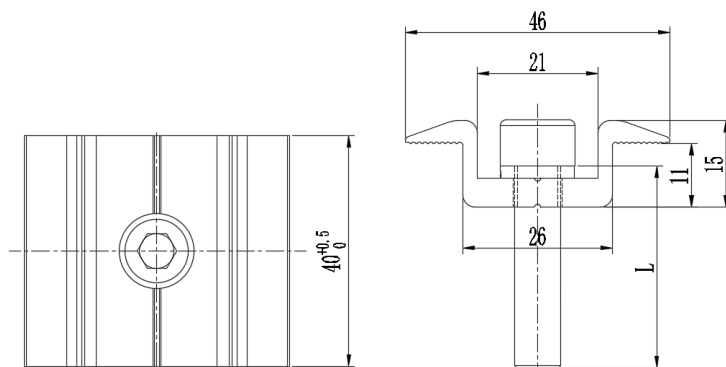
No	P/N #	Feature Size L (mm)	Panel Size (mm)	Weight (g)
1	HU-PC-ECH20-NS1	19.7	20	49
2	HU-PC-ECH30-NS1	29.7	30	53
3	HU-PC-ECH32-NS1	31.7	32	54
4	HU-PC-ECH35-NS1	34.7	35	55
5	HU-PC-ECH40-NS1	39.7	40	57
6	HU-PC-ECH45-NS1	44.7	45	59
7	HU-PC-ECH50-NS1	49.7	50	61
8	HU-PC-ECH25-NS1	55	50	60

TECHNICAL DATA

Weight (g)	See above table
BOM	HOP-G02-0040 (AL6005-T5) x 1 HOP-G91-0020 (AL6005-T5) x 1 M8*25 Hexagon socket head cap screws (SUS304) x1 d8 Spring washers (SUS304) x 1

Panel Clamp (HU-PC-)

HORIZONTAL INNER CLAMP HU-PC-ICH00-NS1



No	P/N #	Feature Size L (mm)	Panel Size (mm)	Weight (g)
1	HU-PC-ICH20-NS1	20	20	49
2	HU-PC-ECH32-NS1	35	32	54
3	HU-PC-ECH35-NS1	35	35	54
4	HU-PC-ECH40-NS1	40	40	56
5	HU-PC-ECH45-NS1	45	45	58
6	HU-PC-ECH50-NS1	50	50	60

TECHNICAL DATA

Weight (g) See above table

BOM
HOP-G04-0040 (AL6005-T5) x 1
HOP-G91-0020 (AL6005-T5) x 1
M8*L Hexagon socket head cap screws (SUS304) x1
d8 Spring washers (SUS304) x 1

UNIVERSAL PANEL CLAMP TYPE U HU-PC-GVR



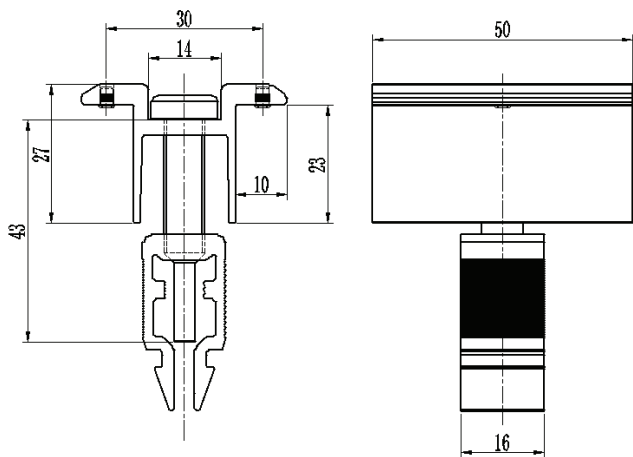
TECHNICAL DATA

Weight (g) 53

BOM
HOP-G28-0030 (AL6005-T5) x 1
HOP-G29-0030 (AL6005-T5) x 1
d8 Plain washers(SUS304) x1
M8*30 Hexagon socket head cap screws (SUS304) x1

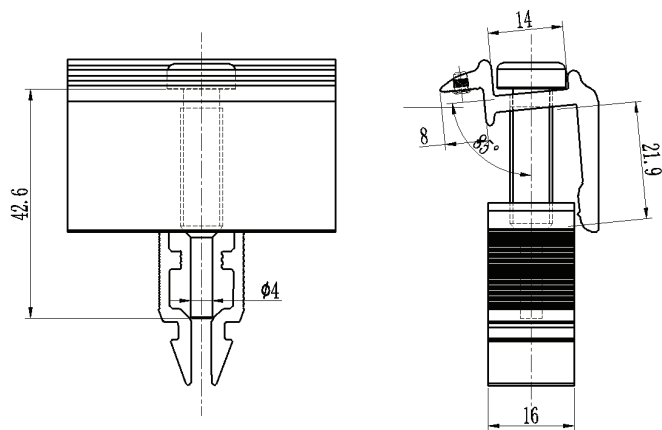
Data Sheet

EU FITS INNER CLAMP (30-40mm) HU-PC-EIC40-NS5



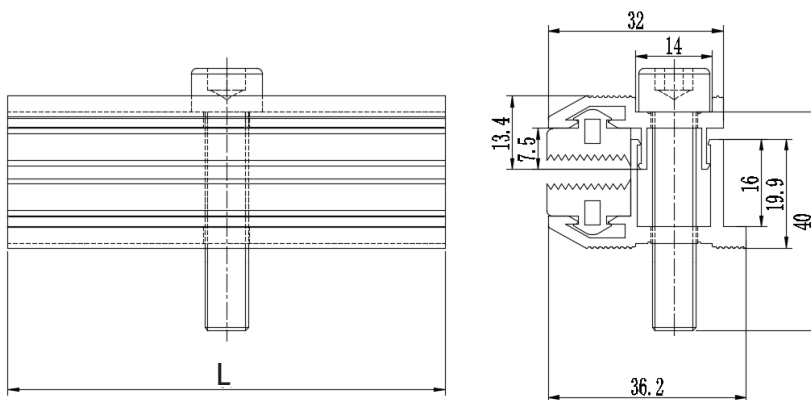
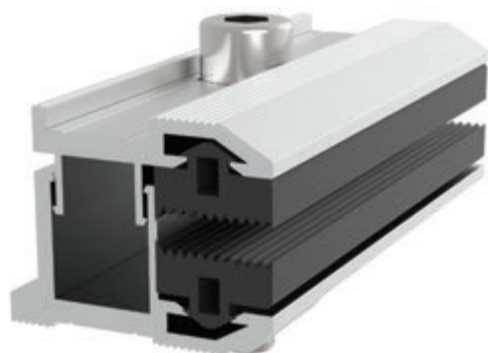
TECHNICAL DATA	
Weight (g)	54
BOM	HOP-G44-0050 (AL6005-T5) x 1 HOP-G46-0016 (AL6005-T5) x 1 HOP-L26-0004 (SUS304) x 2 M8*42 Star socket screw (SUS304) x1

EU FITS END CLAMP (30-40mm) HU-PC-EEC40-NS5



TECHNICAL DATA	
Weight (g)	49
BOM	HOP-G45-0050 (AL6005-T5) x 1 HOP-G46-0016 (AL6005-T5) x 1 HOP-L26-0004 (SUS304) x 1 M8*42 Star socket screw (SUS304) x1

THIN FILM END CLAMP #1 HU-PC-TECA00-NS1



No	P/N #	Feature Size L (mm)	Weight (g)
1	HU-PC-TECA08-NS1	80	103
2	HU-PC-TECA15-NS1	150	156

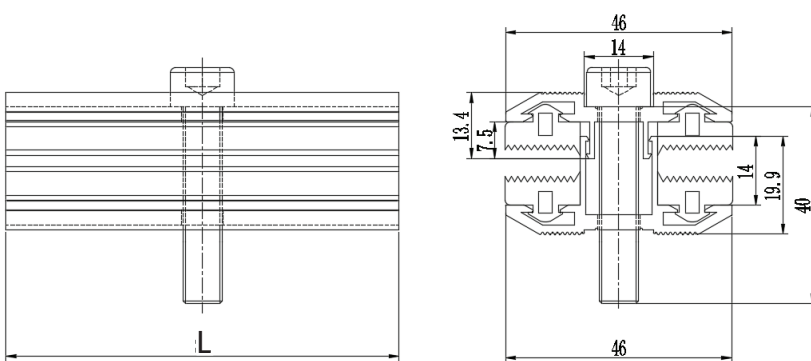
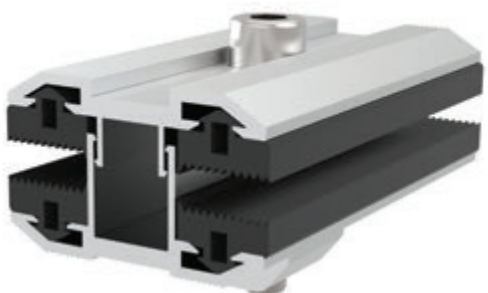
TECHNICAL DATA

Weight (g) See above table

BOM

HOP-G13-0000 (AL6005-T5) x 1
HOP-G14-0000 (AL6005-T5) x 1
HOP-K01-0000 (EPDM) x 2
M8*40 Hexagon socket head cap screws (SUS304) x1

THIN FILM INNER CLAMP #1 HU-PC-TICA00-NS1



No	P/N #	Feature Size L (mm)	Weight (g)
1	HU-PC-TICA08-NS1	80	124
2	HU-PC-TICA15-NS1	150	172

TECHNICAL DATA

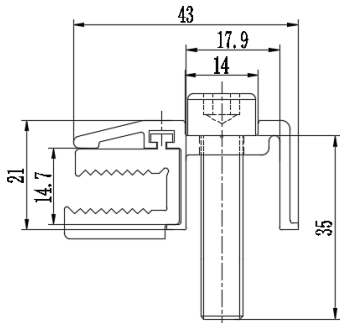
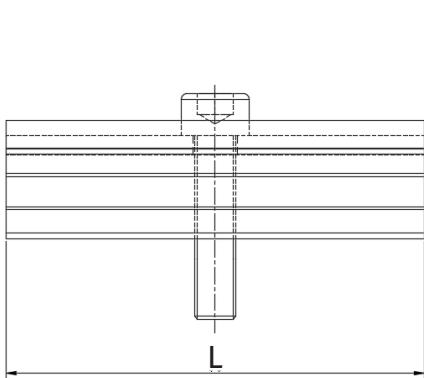
Weight (g) See above table

BOM

HOP-G15-0000 (AL6005-T5) x 1
HOP-G16-0000 (AL6005-T5) x 1
HOP-K01-0000 (EPDM) x 4
M8*40 Hexagon socket head cap screws (SUS304) x1

Data Sheet

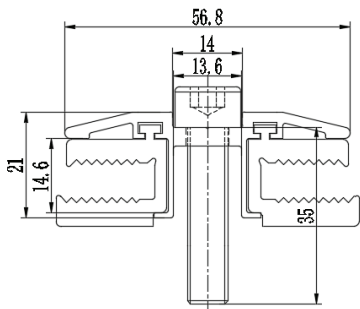
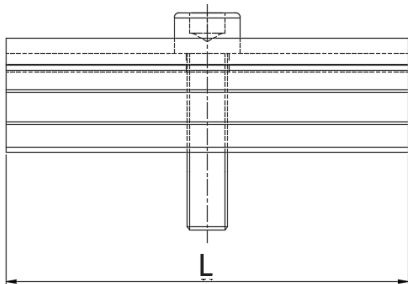
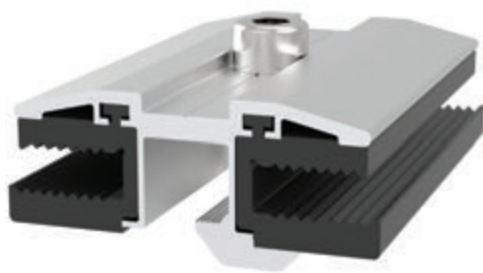
THIN FILM END CLAMP #2
HU-PC-TECS00-NS1



No	P/N #	Feature Size L (mm)	Weight (g)
1	HU-PC-TECS08-NS1	80	85
2	HU-PC-TECS15-NS1	150	136

TECHNICAL DATA	
Weight (g)	See above table
BOM	HOP-G18-0000 (AL6005-T5) x 1 HOP-K02-0000 (EPDM) x 1 M8*35 Hexagon socket head cap screws (SUS304) x1

THIN FILM INNER CLAMP #2
HU-PC-TICS00-NS1

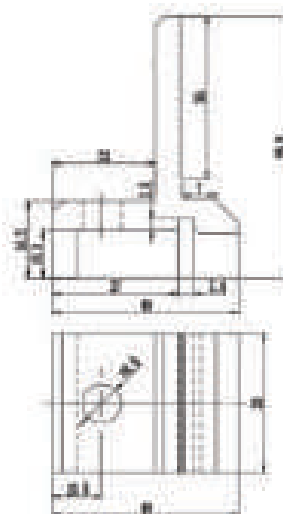


No	P/N #	Feature Size L (mm)	Weight (g)
1	HU-PC-TICS08-NS1	80	104
2	HU-PC-TICS15-NS1	150	171

TECHNICAL DATA	
Weight (g)	See above table
BOM	HOP-G17-0000 (AL6005-T5) x 1 HOP-K02-0000 (EPDM) x 2 M8*35 Hexagon socket head cap screws (SUS304) x1

Panel Clamp (HU-PC-)

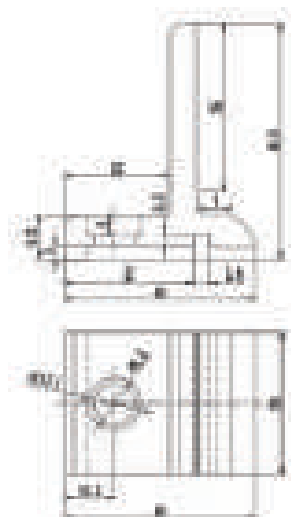
SSA RAIL CLAMP
HU-RC-SSA



TECHNICAL DATA

Weight (g)	41
BOM	HOP-G22-0030 (AL6005-T5) x 1

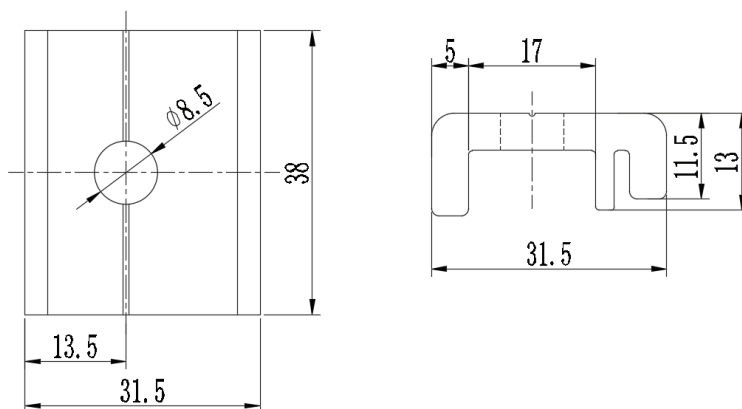
SSB RAIL CLAMP
HU-RC-SSB



TECHNICAL DATA

Weight (g)	38
BOM	HOP-G22-0030 (AL6005-T5) x 1

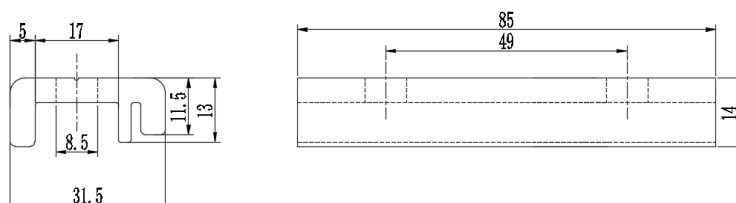
TRI RAIL CLAMP
HU-RC-GR1



TECHNICAL DATA

Weight (g)	25
BOM	HOP-G24-0038 (AL6005-T5) x 1

TRI RAIL CLAMP-2
HU-RC-GR2

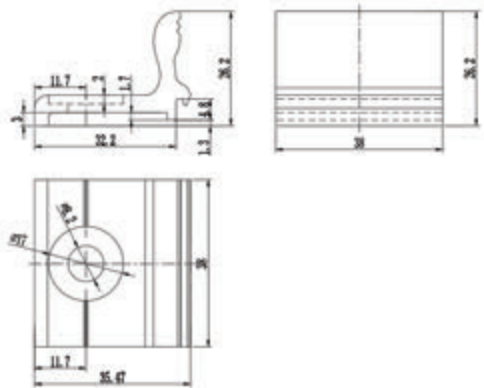


TECHNICAL DATA

Weight (g)	59
BOM	HOP-G24-0085 (AL6005-T5) x 1

Data Sheet

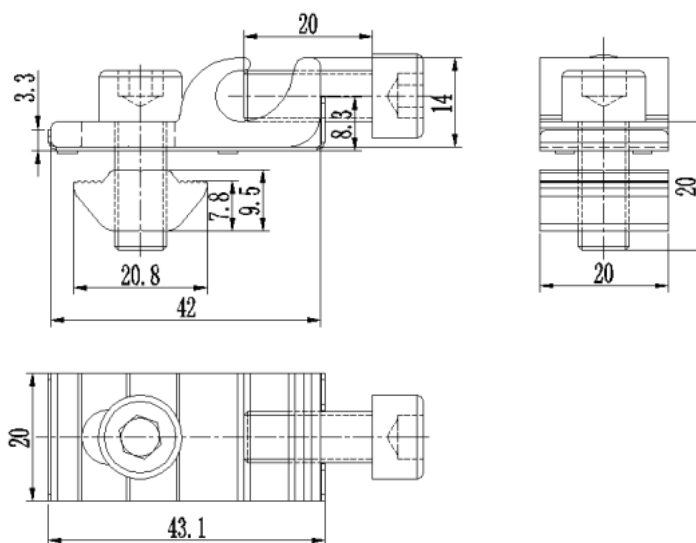
ULT Rail CLAMP
HU-AC-RCU



TECHNICAL DATA	
Weight (g)	23
BOM	HOP-G21-0X38 (AL6005-T5) x 1

Rail Clamp (HU-RC-)

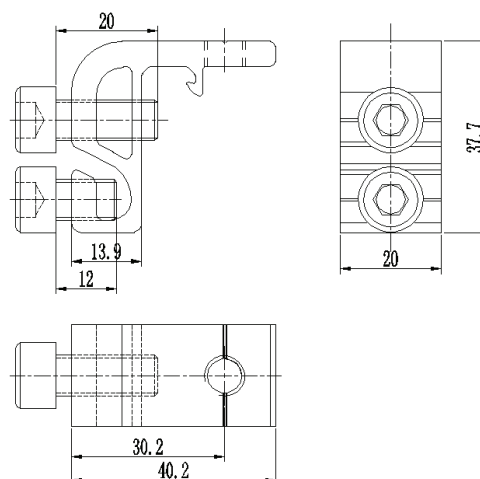
SELECT EARTHING LUG HU-AC-ELG01-NS1



TECHNICAL DATA

Weight (g)	54
BOM	HOP-J66-0020 (AL6005-T5) x 1 HOP-G91-0020 (AL6005-T5) x 1 HOP-L15-0043 (SUS304) x 1 M8*20 Hexagon socket head cap screws (SUS304) x 2

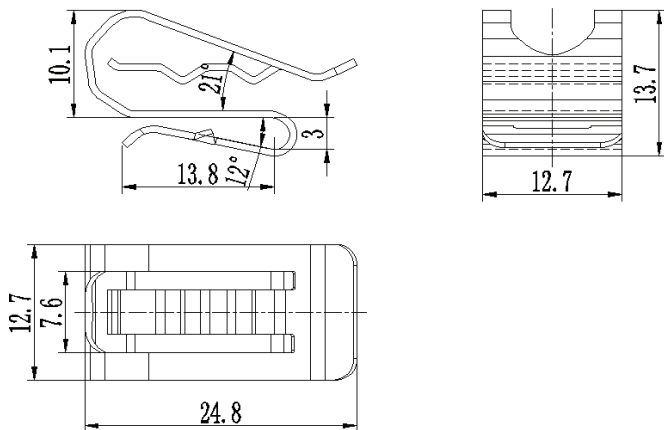
ULT EARTHING LUG HU-AC-ELG02



TECHNICAL DATA

Weight (g)	51
BOM	HOP-J65-0020 (AL6005-T5) x 1 M8*12 Hexagon socket head cap screws (SUS304) x 1 M8*20 Hexagon socket head cap screws (SUS304) x 1

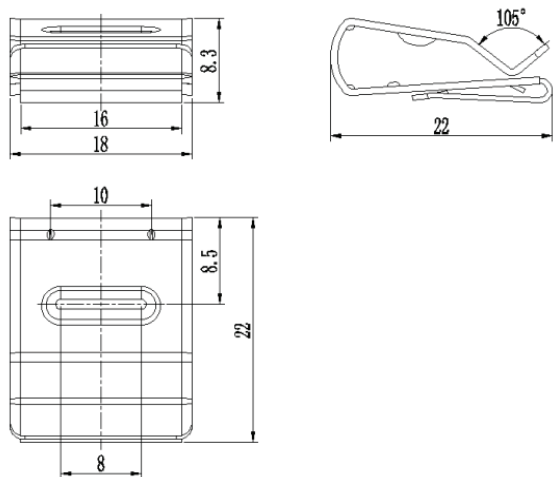
TWO LINE PANEL CABLE CLIP TYPE S
HU-AC-PCC01



TECHNICAL DATA

Weight (g)	4
BOM	HOP-L16-0025 (SUS304) x 1

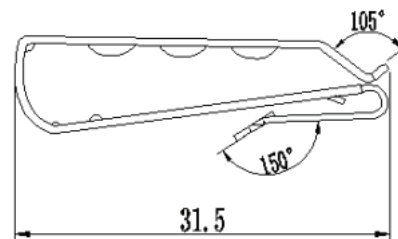
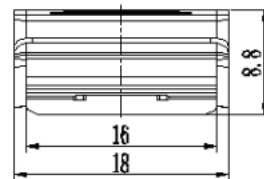
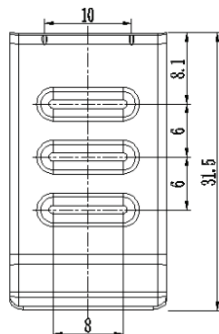
TWO LINE PANEL CABLE CLIP
HU-AC-PCC02



TECHNICAL DATA

Weight (g)	4
BOM	HOP-L19-0022 (SUS304) x 1

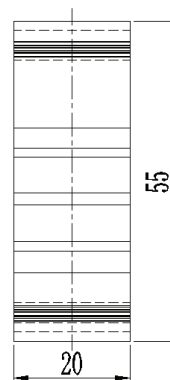
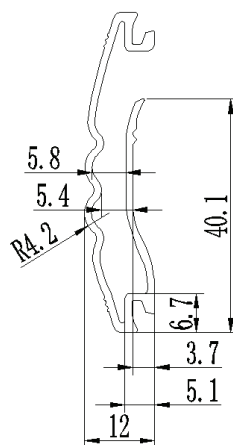
THREE LINE PANEL CABLE CLIP HU-AC-PCC03



TECHNICAL DATA

Weight (g)	6
BOM	HOP-L20-0032 (SUS304) x 1

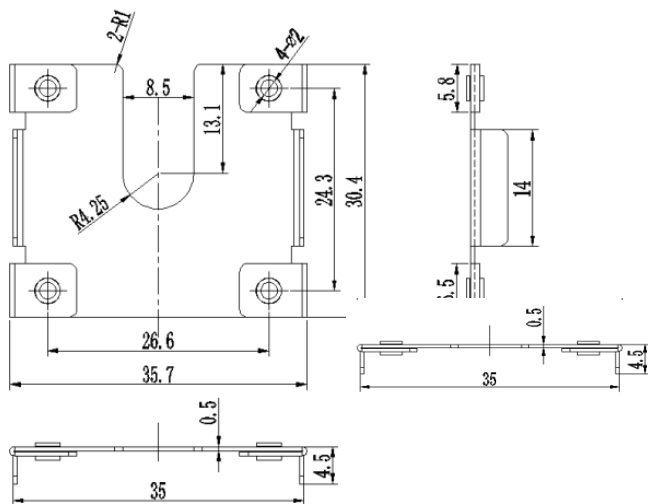
ULT RAIL CABLE CLIP HU-AC-PCC04



TECHNICAL DATA

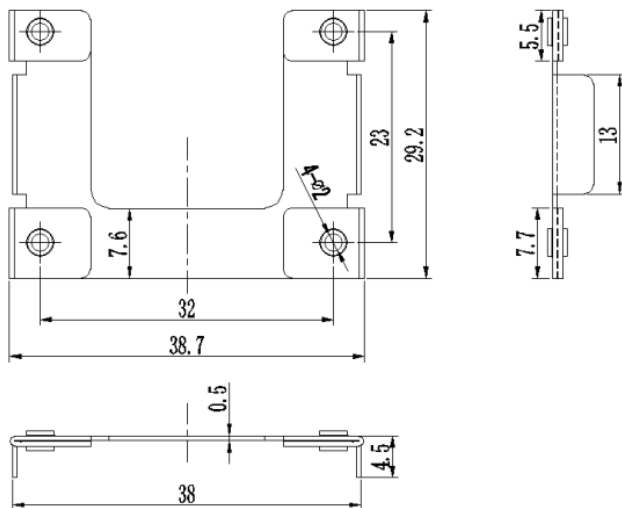
Weight (g)	8
BOM	HOP-J64-0020 (SUS304) x 1

STANDARD EARTHING PLATE
HU-AC-EPL01



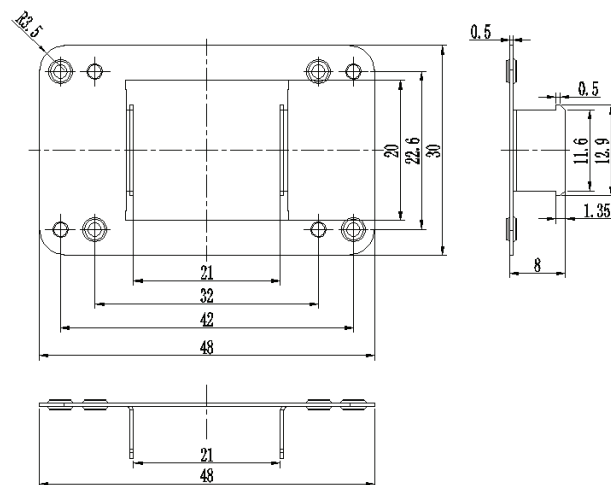
TECHNICAL DATA	
Weight (g)	6
BOM	HOP-L11-0036 (SUS304) x 1

LEX EARTHING PLATE
HU-AC-EPL02



TECHNICAL DATA	
Weight (g)	6
BOM	HOP-L12-0039 (SUS304) x 1

ULT EARTHING PLATE HU-AC-EPL03

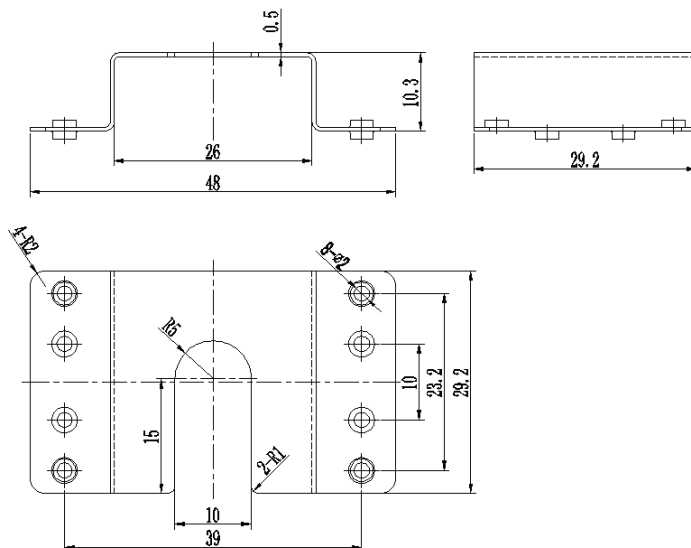


TECHNICAL DATA

Weight (g) 6

BOM HOP-L13-0048 (SUS304) x 1

HD EARTHING PLATE HU-AC-EPL04



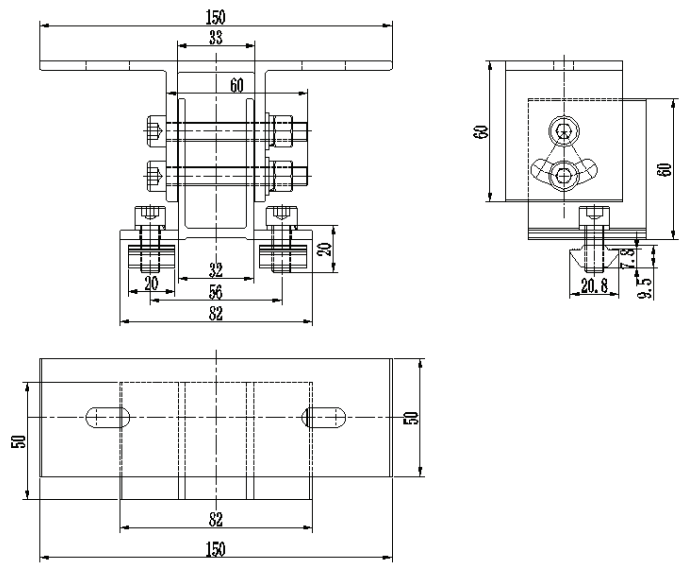
TECHNICAL DATA

Weight (g) 8

BOM HOP-L14-0048 (SUS304) x 1

Data Sheet

ANGLE CONVERTER HU-AC-ACQ

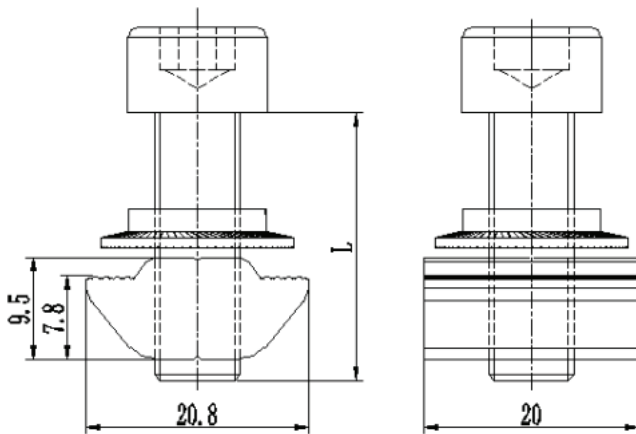


TECHNICAL DATA

Weight (g) 376

BOM
HOP-H87-0050 (AL6005-T5) x 1
HOP-H88-0060 (AL6005-T5) x 1
HOP-G91-0020 (AL6005-T5) x 2
M8*20 Hexagon socket head cap screws (SUS304) x2
M8*60 Hexagon socket head cap screws (SUS304) x2
d8 Plain washers(SUS304) x2
d8 Spring washers (SUS304) x 4
M8 Hexagon Nuts(SUS304) x2

SELECT FIXING BOLT AND NUT HU-AC-NS1-00



No	P/N #	Feature Size L	Panel Size
1	HU-AC-NS1-25	25	28
2	HU-AC-NS1-28	28	29

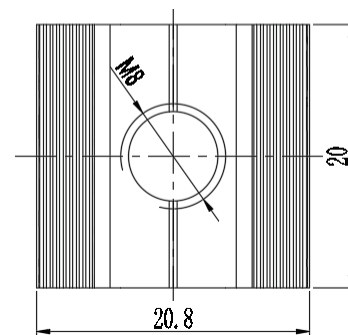
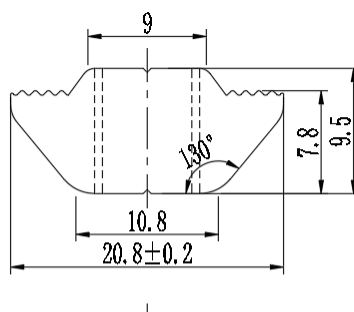
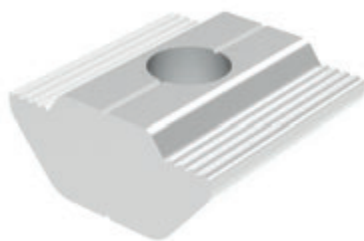
TECHNICAL DATA

Weight (g) See Table

BOM
HOP-G91-0020 (AL6005-T5) x 1
d8 Spring washers (SUS304) x 1
M8*13 Ribbed Lock washers (SUS304) x 1
M8*L Hexagon socket head cap screws (SUS304) x1

Accessories (HU-AC-)

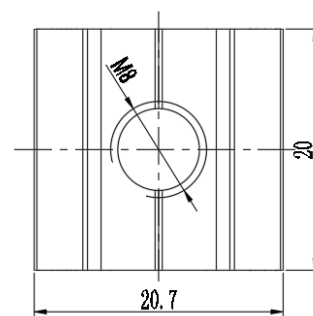
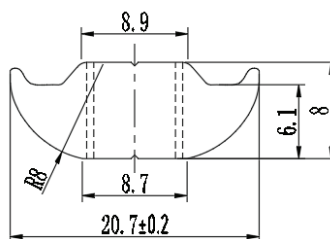
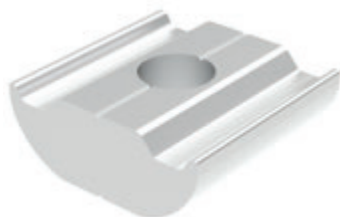
SELECT NUT #1
HU-AC-NS1



TECHNICAL DATA

Weight (g)	7
BOM	HOP-G91-0020 (AL6005-T5) x 1

SELECT NUT #2
HU-AC-NS2

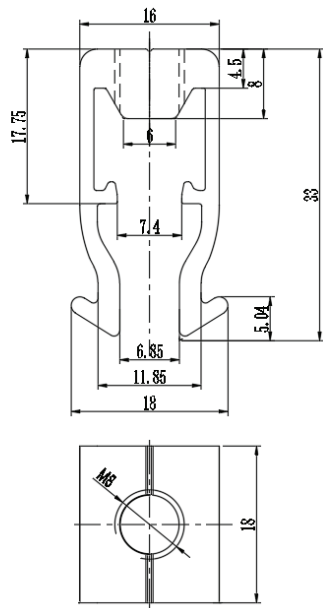


TECHNICAL DATA

Weight (g)	6
BOM	HOP-G92-0020 (AL6005-T5) x 1

Data Sheet

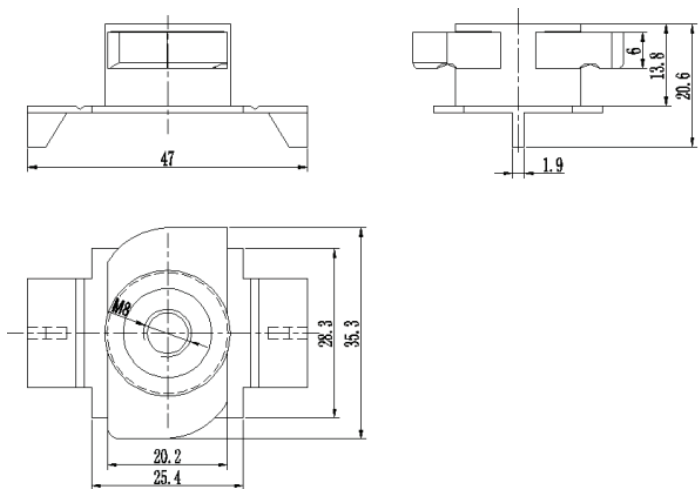
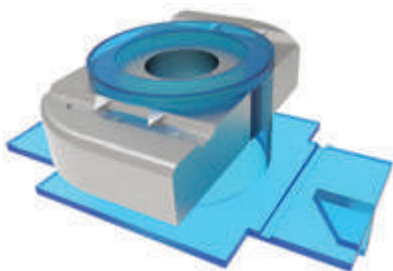
ULT CLAMP NUT HU-AC-NS8



TECHNICAL DATA

Weight (g)	11
BOM	HOP-G20-0018 (AL6005-T5) x 1

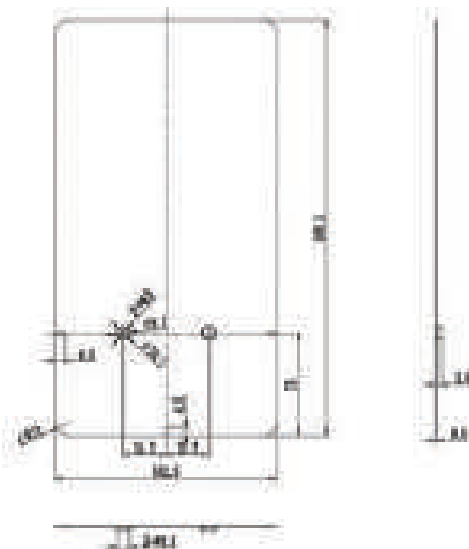
M8 CARBON STEEL FIXING NUT HU-AC-CSN-M8



TECHNICAL DATA

Weight (g)	27
BOM	HOP-M91-0035 (Q235) x 1 HOP-K91-0047 (PPC) x 1

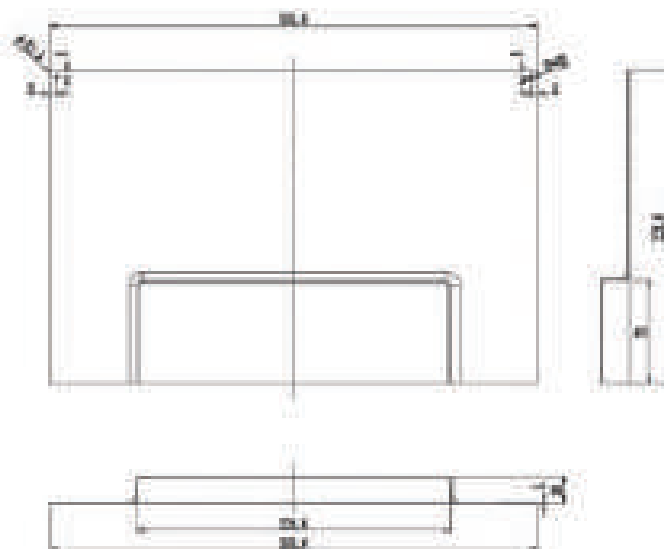
KS WATERPROOF PLATE HOP-T54-0305



TECHNICAL DATA

Weight (g)	80
BOM	HOP-T54-0305 (AL1060-H24) x 1

WATERPROOF PLATE #1 HOP-T55-0356

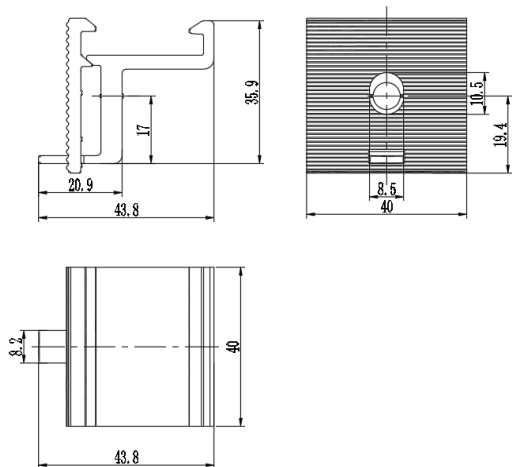


TECHNICAL DATA

Weight (g)	238
BOM	HOP-T55-0356 (AL1060-O) x 1

Data Sheet

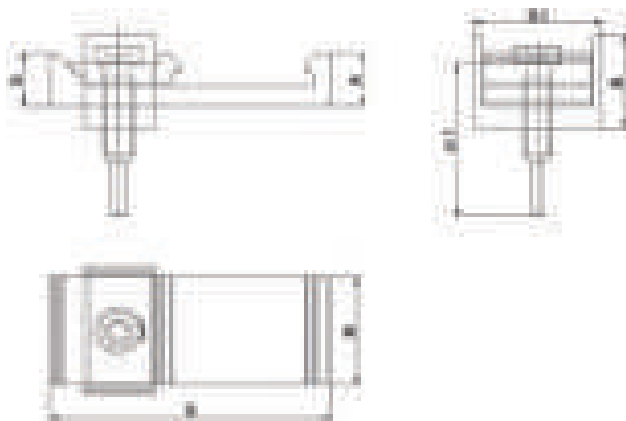
ULT RAIL CLAMP HU-AC-RFU



TECHNICAL DATA

Weight (g)	44
BOM	HOP-H21-0040 (AL6005-T5) x 1 HOP-H22-0040 (AL6005-T5) x 1

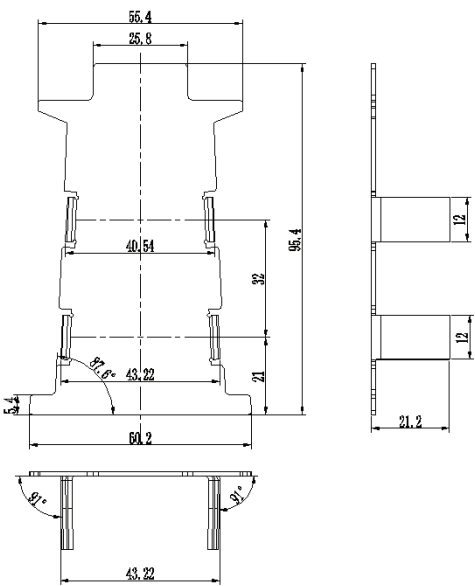
EU CLAMP SET HU-AC-RFE



TECHNICAL DATA

Weight (g)	82
BOM	HOP-L38-0007 (SUS301) x 1 HOP-L29-0042 (SUS304) x 1 HOP-H46-0020 (AL6005-T5) x 1 HOP-H45-0030 (AL6005-T5) x 1 HOP-H44-0030 (AL6005-T5) x 1

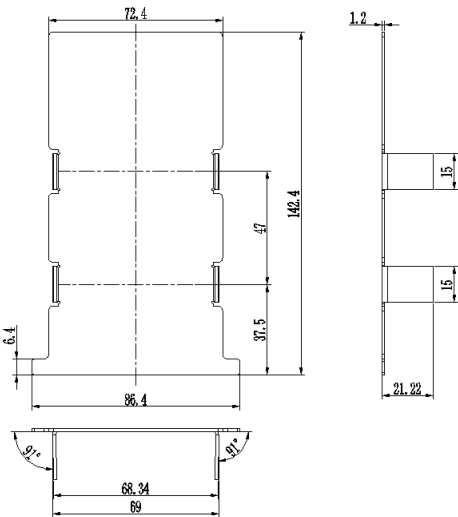
GDR RAIL ALUMINUM END CAP
HU-AC-AEC-GDR



TECHNICAL DATA

Weight (g)	16
BOM	HOP-J23-0095 (AL1060-H24) x 1

GKR RAIL ALUMINUM END CAP
HU-AC-AEC-GKR

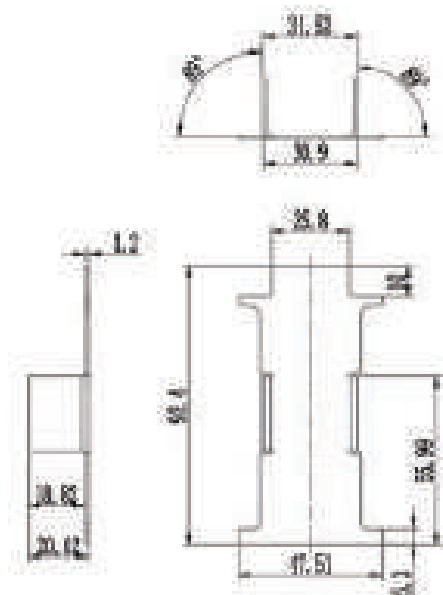


TECHNICAL DATA

Weight (g)	35
BOM	HOP-J24-0135 (AL1060-H24) x 1

Data Sheet

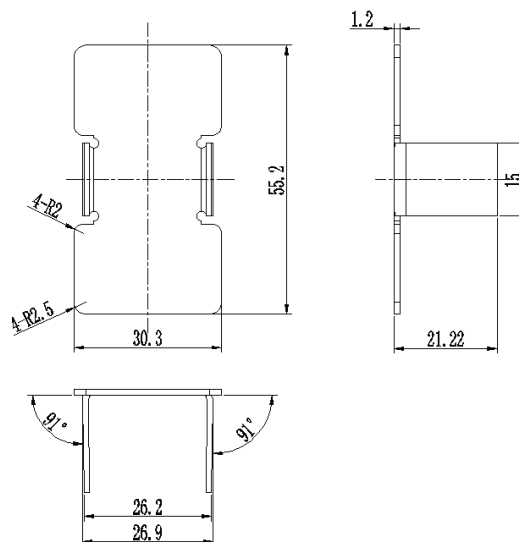
GXR RAIL ALUMINUM END CAP HU-AC-AEC-GXR



TECHNICAL DATA

Weight (g)	13
BOM	HOP-J28-0092 (AL1060-H24) x 1

ULT RAIL ALUMINUM END CAP HU-AC-AEC-ULT

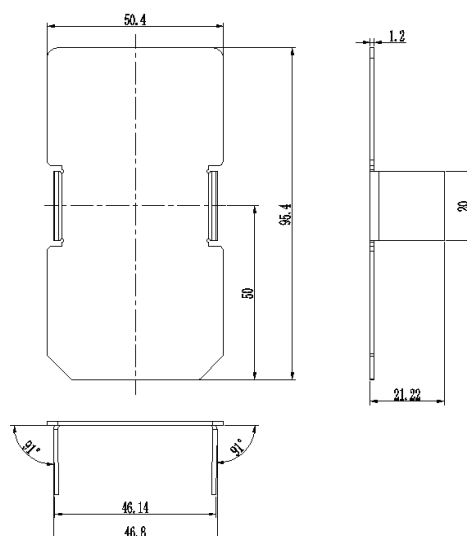


TECHNICAL DATA

Weight (g)	11
BOM	HOP-J21-0055 (AL1060-H24) x 1

Accessories (HU-AC-)

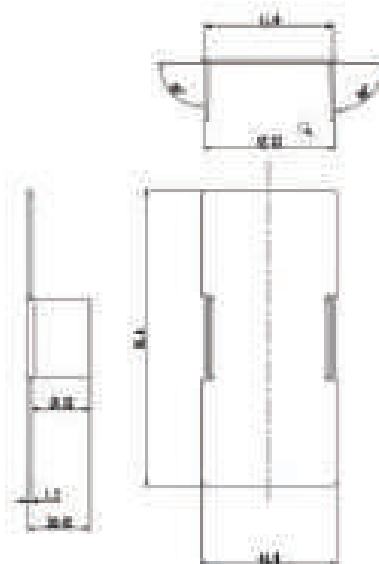
TYPE 50 RAFTER ALUMINUM END CAP HU-AC-AEC-50



TECHNICAL DATA

Weight (g)	18
BOM	HOP-J25-0095 (AL1060-H24) x

TYPE 44 RAFTER ALUMINUM END CAP HU-AC-AEC-44

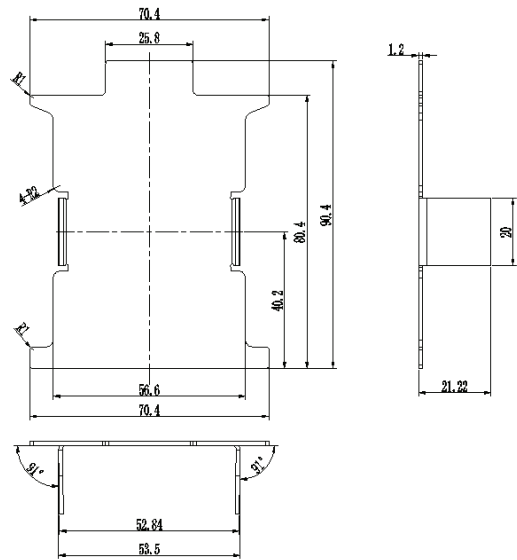


TECHNICAL DATA

Weight (g)	16
BOM	HOP-J17-0095 (AL1060-H24) x 1

Data Sheet

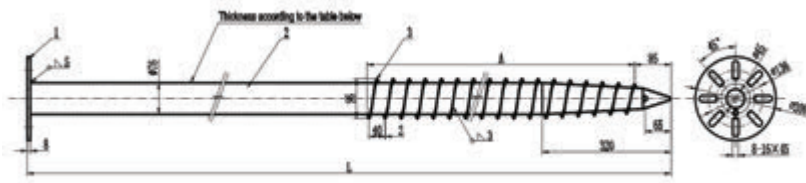
GHR RAIL ALUMINUM END CAP
HU-AC-AEC-GHR



TECHNICAL DATA	
Weight (g)	18
BOM	HOP-J22-0090 (AL1060-H24) x 1

Accessories (HU-AC-)

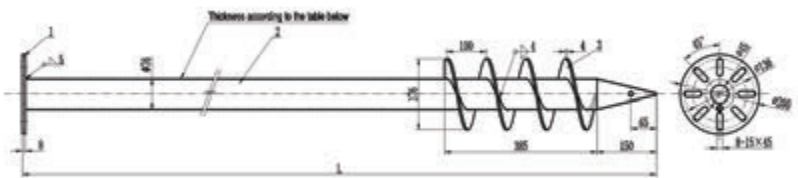
GROUND SCREW TYPE A
HU-GS-76-0000A00



NO.	P/N #	FEARURE SIZE		THICKNESS	WEIGHT KG
		A	L		
1	HU-GS-76-1200A00	600	1200	2.5	8.01
2	HU-GS-76-1400A00	700	1400	2.5	9.00
3	HU-GS-76-1600A00	800	1600	2.5	10.04
4	HU-GS-76-1800A00	900	1800	2.5	11.03
5	HU-GS-76-2000A00	1000	2000	2.75	12.94
6	HU-GS-76-2200A00	1080	2200	2.75	14.06
7	HU-GS-76-2500A00	1200	2500	2.75	15.68
8	HU-GS-76-2800A00	1200	2800	2.75	17.17
9	HU-GS-76-3000A00	1200	3000	2.75	18.17

TECHNICAL DATA	
Weight (kg)	See table
BOM	HOP-A10-0000 (Q235 galvanized) x 1

GROUND SCREW TYPE B
HU-GS-76-0000B00

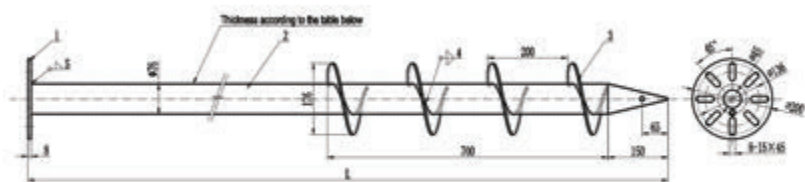


NO.	P/N #	FEARURE SIZE L		THICKNESS	WEIGHT KG
1	HU-GS-76-1200B00	1200		2.5	10.30
2	HU-GS-76-1400B00	1400		2.5	11.31
3	HU-GS-76-1600B00	1600		2.5	12.32
4	HU-GS-76-1800B00	1800		2.5	13.32
5	HU-GS-76-2000B00	2000		2.75	15.20
6	HU-GS-76-2200B00	2200		2.75	16.29
7	HU-GS-76-2500B00	2500		2.75	17.93
8	HU-GS-76-2800B00	2800		2.75	19.57

TECHNICAL DATA	
Weight (kg)	See table
BOM	HOP-A20-0000 (Q235 galvanized) x 1

Data Sheet

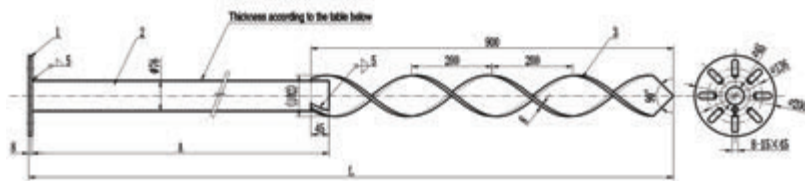
GROUND SCREW TYPE C
HU-GS-76-0000C00



NO.	P/N #	FEARURE SIZE L	THICKNESS	WEIGHT KG
1	HU-GS-76-1200C00	1200	2.5	10.16
2	HU-GS-76-1400C00	1400	2.5	11.17
3	HU-GS-76-1600C00	1600	2.5	12.17
4	HU-GS-76-1800C00	1800	2.5	13.18
5	HU-GS-76-2000C00	2000	2.75	15.05
6	HU-GS-76-2200C00	2200	2.75	16.15
7	HU-GS-76-2500C00	2500	2.75	17.79
8	HU-GS-76-2800C00	2800	2.75	19.43

TECHNICAL DATA	
Weight (kg)	See table
BOM	HOP-A30-0000 (Q235 galvanized) x 1

GROUND SCREW TYPE D
HU-GS-76-0000D00

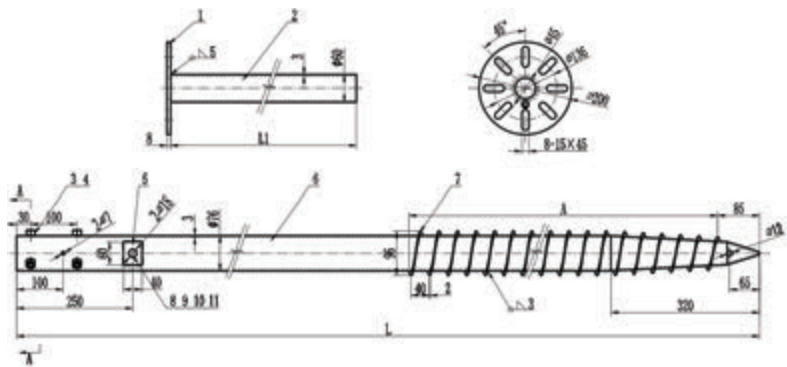


NO.	P/N #	FEARURE SIZE		THICKNESS	WEIGHT KG
		A	L		
1	HU-GS-76-1200D00	337	1200	2.5	10.80
2	HU-GS-76-1400D00	537	1400	2.5	11.70
3	HU-GS-76-1600D00	737	1600	2.5	12.61
4	HU-GS-76-1800D00	937	1800	2.5	13.52
5	HU-GS-76-2000D00	1137	2000	2.75	14.99
6	HU-GS-76-2200D00	1337	2200	2.75	15.98
7	HU-GS-76-2500D00	1637	2500	2.75	17.47
8	HU-GS-76-2800D00	1937	2800	2.75	19.01

TECHNICAL DATA	
Weight (kg)	See table
BOM	HOP-A40-0000 (Q235 galvanized) x 1

Ground Screw (HU-GS-)

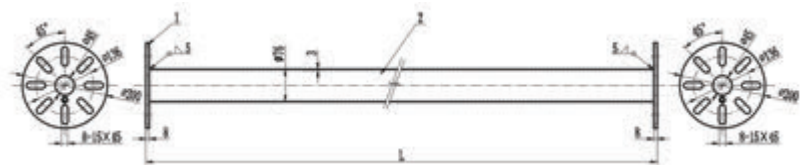
GROUND SCREW TYPE E
HU-GS-76-0000E00



TECHNICAL DATA	
Weight (kg)	See table
BOM	HOP-A50-0000 (Q235 galvanized) x 1 d16 Plain washers (SUS304) x1 M12 Hexagon Nuts (SUS304) x 6 M16 Hexagon Nuts (SUS304) x 1 d16 Spring washers (SUS304) x 1 M12x30 Hexagon head screws (SUS304) x6 M16x100 Hexagon head screws (SUS304) x1

NO.	P/N #	FEARURE SIZE			THICKNESS	WEIGHT KG
		A	L	L1		
1	H U - G S - 7 6 - 1200E00	600	1200	400	2.5	11.02
2	H U - G S - 7 6 - 1400E00	700	1400	400	2.5	12.14
3	H U - G S - 7 6 - 1600E00	800	1600	400	2.5	13.29
4	H U - G S - 7 6 - 1800E00	900	1800	400	2.5	14.41
5	H U - G S - 7 6 - 2000E00	1000	2000	400	2.75	15.56

GROUND SCREW TYPE G
HU-GS-76-0000G00

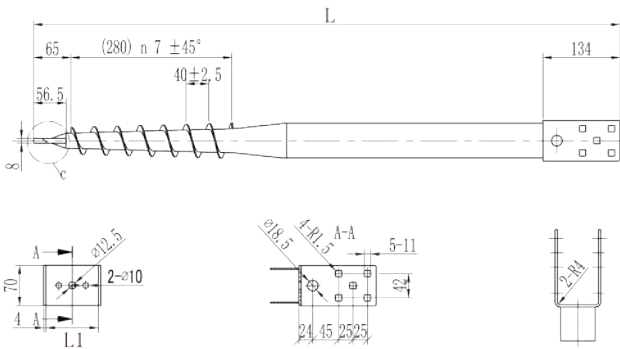


TECHNICAL DATA	
Weight (kg)	See table
BOM	HOP-A70-0000 (Q235 galvanized) x 1

NO.	P/N #	FEARURE SIZE L	THICKNESS	WEIGHT KG
1	H U - G S - 7 6 - 0200G00	200	2	5.03
2	H U - G S - 7 6 - 0400G00	400	2	6.11
3	H U - G S - 7 6 - 0500G00	500	2	6.65
4	H U - G S - 7 6 - 0600G00	600	2	7.19
5	H U - G S - 7 6 - 0800G00	800	2	8.27
6	H U - G S - 7 6 - 1000G00	1000	2	9.35
7	H U - G S - 7 6 - 1200G00	1200	2	10.43
8	H U - G S - 7 6 - 1400G00	1400	2	11.51
9	H U - G S - 7 6 - 1500G00	1500	2	12.05
10	H U - G S - 7 6 - 1600G00	1600	2	12.59
11	H U - G S - 7 6 - 1800G00	1800	2	13.67
12	H U - G S - 7 6 - 2000G00	2000	2	14.75

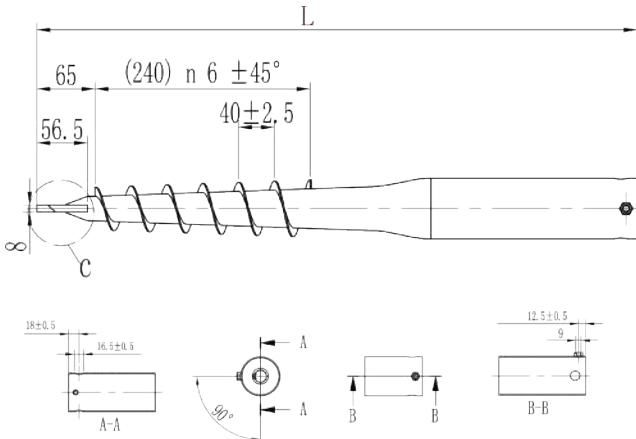
Data Sheet

GROUND SCREW TYPE J08
HU-GS-60-0000J08



NO.	P/N #	FEARURE SIZE		THICKNESS	WEIGHT KG
		L	L1		
1	HU-GS-60-0550J08	704	71	2	2.134
2	HU-GS-60-0730J08	884	71	2	2.651

GROUND SCREW TYPE J01
HU-GS-68-0000J01



NO.	P/N #	FEARURE SIZE		THICKNESS	WEIGHT KG
		L	L1		
1	H U - G S - 6 8 - 0550J01	550		2	1.605
2	H U - G S - 6 8 - 0650J01	650		2	1.930

GROUND SCREW TYPE J03
HU-GS-60-2060J03



NO.	P/N #	FEARURE SIZE	THICKNESS	WEIGHT KG
		L		
1	A91-0650-3M	670	2	1.7

*GROUND SCREW TYPE K11
HU-GS-73-2060K11



NO.	P/N #	FEARURE SIZE	THICKNESS	WEIGHT KG
		L		
1	H U - GS-A80-0800	800	2	1.5

Data Sheet

*GROUND SCREW TYPE J07
HU-GS-114-2060J07



NO.	P/N #	FEARURE SIZE		THICKNESS	WEIGHT KG
		L	L1		
1	A40-0550.C071	704	71	2	1.9
2	A40-0730.C071	884	71	2	2.3
3	A40-0730.C091	884	91	2	2.4
4	A40-0730.C111	884	111	2	2.51
5	A40-0865.C091	1020	91	2	2.7
6	A40-0865.C111	1020	111	2	2.8

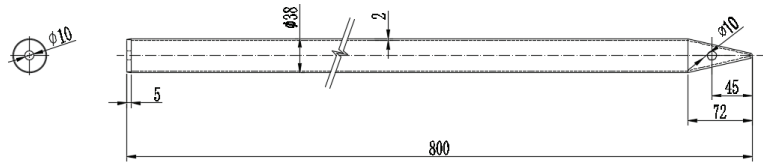
GROUND SCREW TYPE J03
HU-GS-76-2060J03



NO.	P/N #	FEARURE SIZE		THICKNESS	WEIGHT KG
		L			
1	H U - G S - 7 6 - 2060J3	2060		3.6	13.6

Ground Screw (HU-GS-)

GROUND SCREW TYPE H
HU-GS-38-0800H05



NO.	P/N #	FEASURE SIZE	THICKNESS	WEIGHT KG
		L		
1	H U - G S - 3 8 - 0800H05	800	2	1.5

Ground Screw (-HU-GS-)

Ground Screw (HU-GS-)



HUAWEISOLAR®

Huawei Solar Ltd.
NO.5, 17/F, Strand 50, 50 Bonham Strand
Sheung Wan, Hong Kong

info@huawei-solar.eu