

### GS-TP



### PRODUCT DESCRIPTION

Roof hook for flat roof tile. Stainless Steel A2.

### CARACTERÍSTICAS

- Special design for flat tiles.
- Pre-assembled product.
- Includes AISI-304 brackets.
- For outside use.
- For flat tiled roof.
- Includes Groove to facilitate adjustment.
- Includes two drilled holes.
- Set up for mounting on the higher part of the tiling.
- Avoids the need to drill through tiling.

### APLICACIONES / COMPLEMENTOS MONTAJE



GS-TP120145



PSE-A



KFSFIM08

Used in **coplanar aluminium installation systems** to attach the systems to tiled roof sub-structures. When mounting the **PSE-A** "aluminium profile for assembled fixing", a **KFSFIM08** "cross connector for bottom fixing" is used on each roof hook.



GP-XS



D603I08016 +  
D6923IM08

Used in **coplanar Atlantis steel systems** to attach the systems to tiled roof sub-structures. When mounting **GP-XS** "INDEXTUT solar perforated guide", one **D603I08016** "16 mm DIN-603 M8 bolt" and one **D6923IM08** "DIN-6923 M8 nut", both in A2-70 stainless steel, are used on each roof hook.



GS-TP075100



PSE-C



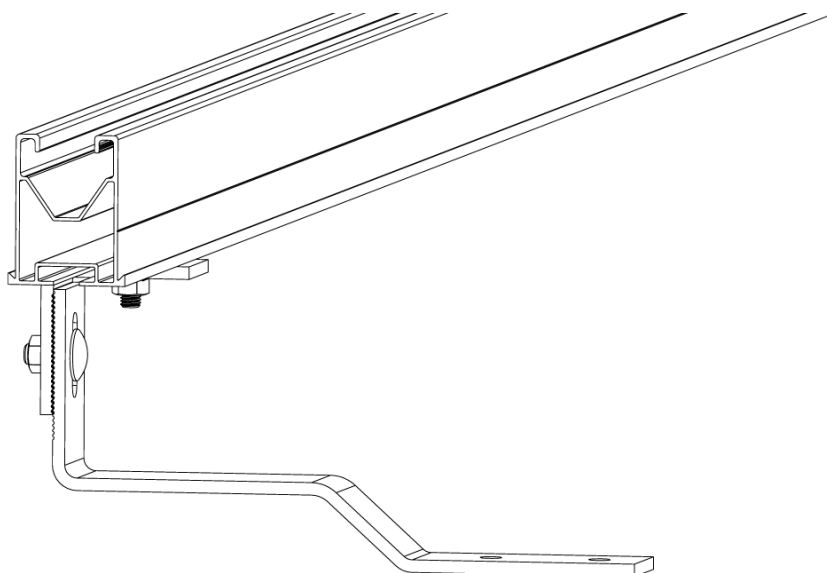
KFSFIM08

Used in **coplanar aluminium installation systems** to attach the systems to tiled roof sub-structures. When mounting the **PSE-C** "aluminium profile for assembled fixing", a **KFSFIM08** "cross connector for bottom fixing" is used on each roof hook.

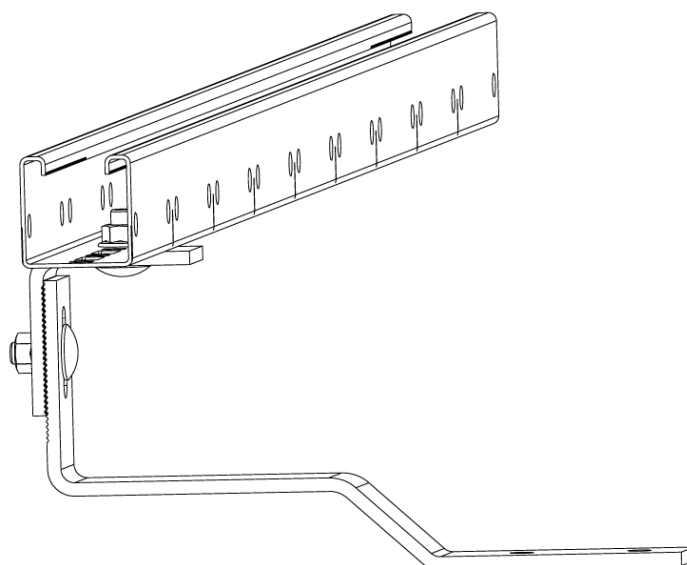
### ROOF / SUB-STRUCTURE / FIXING

|      |                                                                                   |                             |                                                                                   |        |                                                                                     |                                                                                     |
|------|-----------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ROOF |  | SUB-STRUCTURE BASE MATERIAL |  | FIXING |   |  |
|      |                                                                                   |                             | WOOD                                                                              |        | TP A2<br>Countersunk head chipboard screw, A2 Stainless steel                       | TN4S<br>4-way expansion nylon plug                                                  |
|      |                                                                                   |                             |  |        |   |  |
|      |                                                                                   |                             | CONCRETE                                                                          |        | DIN-571 A2<br>Coach wood screw with hexagonal head, A2 Stainless steel              |                                                                                     |
|      |                                                                                   |                             |  |        |    |                                                                                     |
|      |                                                                                   |                             | HOLLOW CONCRETE                                                                   |        | EQ-A2<br>Stud bolt for chemical anchor. A2 Stainless steel                          |  |
|      |                                                                                   |                             |  |        |  |                                                                                     |
|      |                                                                                   |                             | HOLLOW BRICK                                                                      |        | HE + ARVUL<br>Screw for direct fixing. Screw with vulcanized EPDM-steel washer.     | MO-TL<br>Long cut-out sieve                                                         |

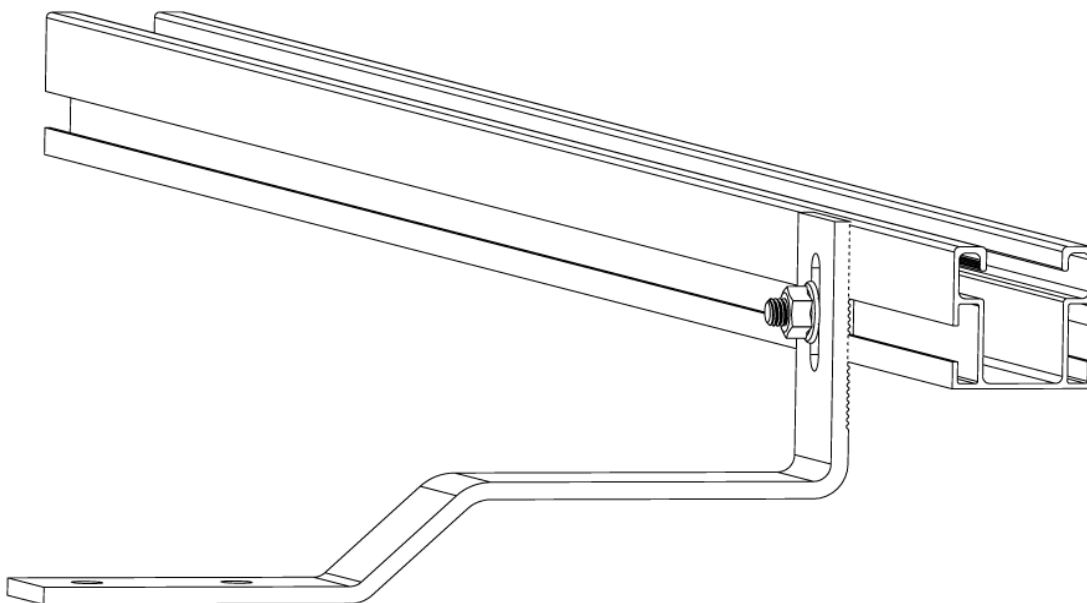
### APPLICATION EXAMPLES



Application example 1: Mounting of the PSE-A profile



Application example 2: Mounting of the GP-XS guide



Ejemplo de aplicación 3: Montaje de guía PSE-C

### 1.RANGE

| ITEM | CODE       | PHOTO                                                                               | DESCRIPTION                                                           | ADJUSTABLE HEIGHT | MATERIAL                                                                                          |
|------|------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------|
| 1    | GSTP075100 |  | Roof hook for flattened tiles and PSE-C profile. Stainless Steel A2   | 75-100mm          | <br>AISI-304 |
| 2    | GSTP120145 |  | Roof hook for flattened tiles for PSE-A and GP-XS. Stainless Steel A2 | 120-145mm         | <br>AISI-304 |

## 2.INSTALLATION INFORMATION

### 2.1 GS-TP

### Roof hook for flatted tiles

|                                                                                                        |                                                                                                               | Material                                                                                                   | Compatible                                                                                                                                          | Mounting accessories                                                                                                                                        | Roof                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <br><b>AISI-304</b>          |                                                                                                            | <br><b>PSE-A</b><br>Aluminium profile for assembled fixing         | <br><b>KFSFIM08</b><br>Cross connector kit for bottom fixing             | <br><b>Flatted tiles</b>                                                                     |
|                                                                                                        |                                                                                                               |                                                                                                            | <br><b>PSE-C</b><br>Aluminium profile for lateral assembled fixing | <br><b>KFSFIM08</b><br>Cross connector kit for bottom fixing             |                                                                                                                                                                                 |
|                                                                                                        |                                                                                                               |                                                                                                            | <br><b>GP-XS</b><br>INDEXTUT solar perforated guide                | <br><b>D603I08016 + D6923IM08</b><br>DIN-603 M8x16 + DIN-6923 M8         |                                                                                                                                                                                 |
| Sub-structure base material                                                                            |                                                                                                               |                                                                                                            | Fixing accessories                                                                                                                                  |                                                                                                                                                             |                                                                                                                                                                                 |
|                      |                                                                                                               | <br><b>Wood</b>          |                                                                                                                                                     | <br><b>TP A2</b><br>Countersunk head chipboard screw, A2 Stainless steel | <br><b>TN4S</b><br>4-way expansion nylon plug                                                |
|                                                                                                        |                                                                                                               |                                                                                                            |                                                                                                                                                     | <br><b>DIN-571 A2</b><br>Tornillo madera cabeza hexagonal inox A2      |                                                                                                                                                                                 |
| <br><b>Concrete</b> | <br><b>Hollow concrete</b> | <br><b>Hollow brick</b> | <br><b>Thermo-clay</b>                                          | <br><b>EQ-A2</b><br>Stud bolt for chemical anchor, A2 Stainless steel. | <br><b>HE + ARVUL</b><br>Screw for direct fixing. Screw with vulcanized EPDM-steel washer. |
|                                                                                                        |                                                                                                               |                                                                                                            |                                                                                                                                                     | <br><b>MO-TL</b><br>Long cut-out sieve                                 | <b>Chemical anchor</b>                                                                                                                                                          |

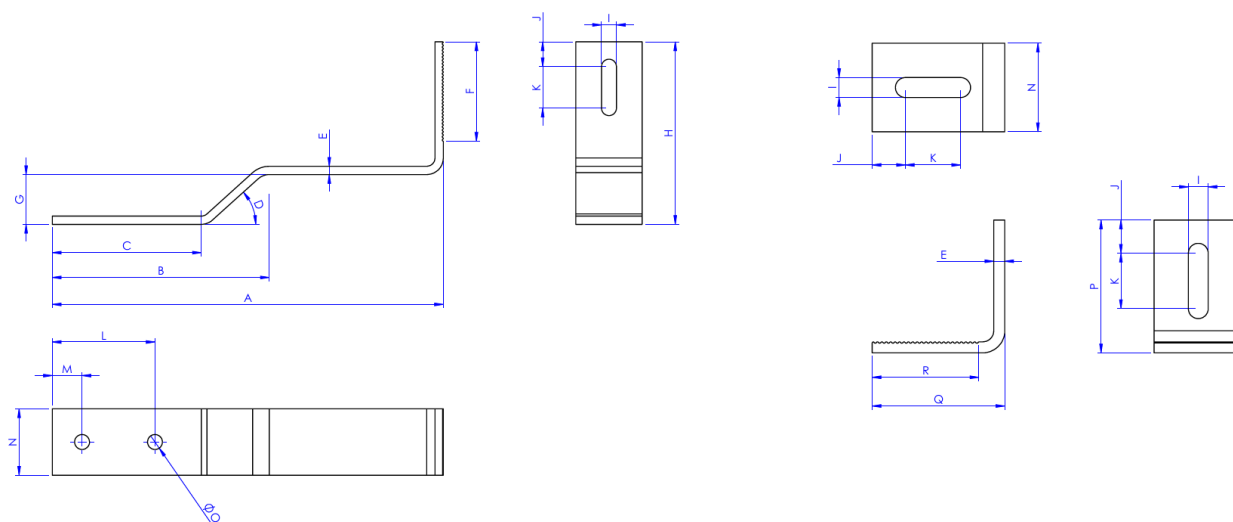
Measurement table (mm)

| Código     | A   | B   | C  | D    | E | F  | G  | H   | I | J  | K  | L  | M  | N  | Ø O | P  | Q  | R  |
|------------|-----|-----|----|------|---|----|----|-----|---|----|----|----|----|----|-----|----|----|----|
| GSTP075100 | 236 | 131 | 90 | 42 ° | 5 | 60 | 30 | 110 | 9 | 15 | 25 | 62 | 18 | 40 | 9   | -  | -  | -  |
| GSTP120145 | 236 | 131 | 90 | 42 ° | 5 | 60 | 30 | 110 | 9 | 15 | 25 | 62 | 18 | 40 | 9   | 60 | 60 | 48 |

### Drawing

BRACKET: MATERIAL AISI 304  
FINISHED: Blating treatment with stainless steel shot S170

ADAPTER: MATERIAL AISI 304  
FINISHED: Blating treatment with stainless steel shot S170



| Installatin table |                |                              |                                          |                  |                  |
|-------------------|----------------|------------------------------|------------------------------------------|------------------|------------------|
|                   | Profile fixing |                              |                                          | Compression      | Tensile          |
|                   | Nut            | Heigh adjustment wrench (mm) | Max. Installation tightening torque (Nm) | Design load (kN) | Design load (kN) |
| <b>GSTP075100</b> | M8             | SW13                         | 14                                       | 0,8              | 0,45             |
| <b>GSTP120145</b> | M8             | SW13                         | 14                                       | 0,6              | 0,35             |