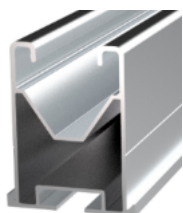# GS-TU

PRODUCT DESCRIPTION

- Adjustable roof hook for universal roof tile. Stainless steel A2

CHARACTERISTICS

- Pre-assembled product.
- Includes AISI-304 brackets.
- Includes two DIN-6923 nuts and two DIN-603 M10 bolts in A2-70 stainless steel.
- For outside use.
- For tiled roofs.
- Height-adjustable. For use under and on tiling.
- Three transversal mounting position options.
- Includes groove to facilitate adjustment.
- Includes nine drilled holes.
- Set up for mounting on the lower part of the tiling.
- Avoids the need to drill through tiling.
- Special design for mixed tiles.
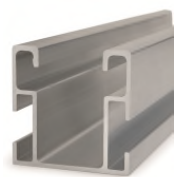
APPLICATIONS/MOUNTING ACCESSORIES

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.

PSE-C

KFSFIM08 + PMOL + D603I08016 + D6923IM08

Used in **coplanar aluminium lateral installation systems** to attach the systems to tiled roof sub-structures. When mounting the **PSE-C** "aluminium profile for lateral assembled fixing", a **KFSFIM08** "cross connector for bottom fixing", a **PMOL1012** "Aluminium L-shaped plate for lateral fixing.", 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.

GP-XS

D603I08016 + D6923IM08

Used in **coplanar Atlantis steel systems** to attach the systems to tiled roof sub-structures. When mounting **GP-XS** "INDEXTRUT 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.
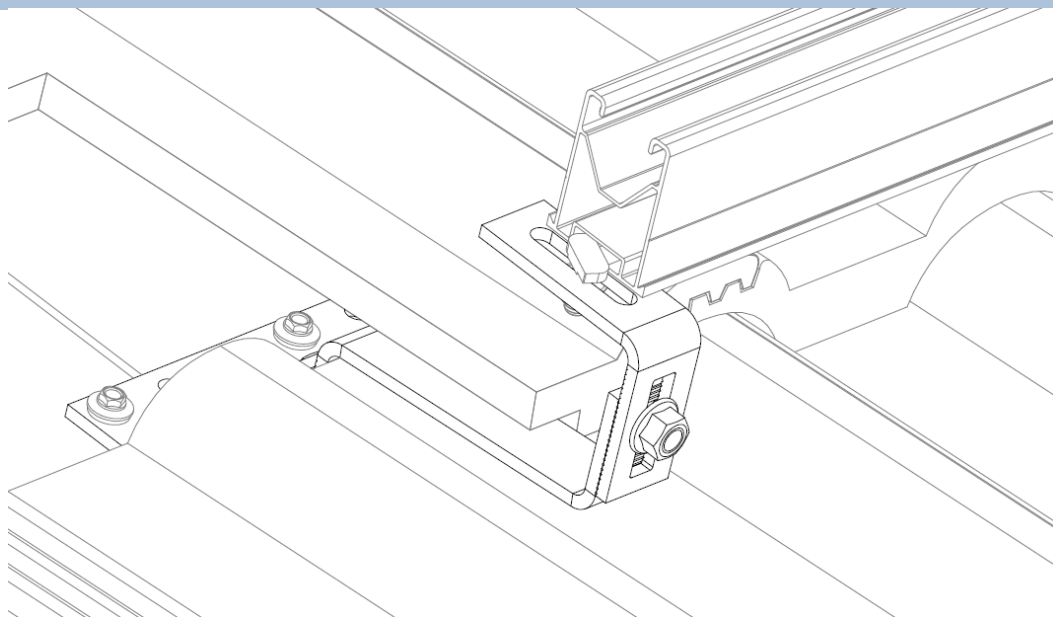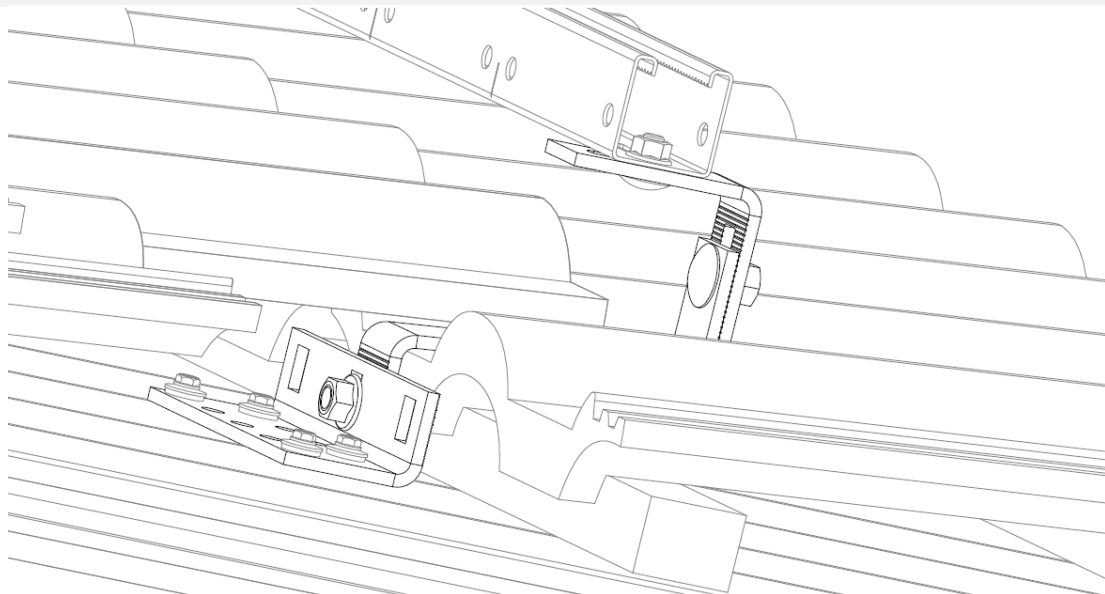
ROOF/SUB-STRUCTURE/FIXING

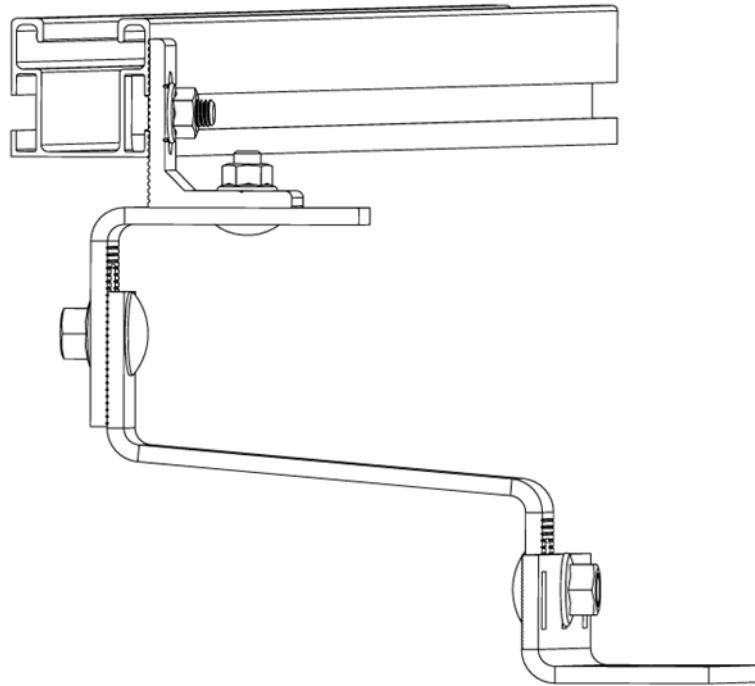| ROOF	SUB-STRUCTURE BASE MATERIAL	FIXING		
TILE	**WOOD**	**TP A2** Countersunk head chipboard screw, A2 Stainless steel		**TN4S** 4-way expansion nylon plug
	CONCRETE	**DIN-571 A2** Coach wood screw with hexagonal head, A2 Stainless steel		
	HOLLOW CONCRETE	**EQ-A2** Stud bolt for chemical anchor. A2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

APPLICATION EXAMPLES

Application example 1: PSE-A profile mounting on concrete roof

Application example 2: Mounting of GP-XS perforated guide on concrete roof

Application example 3: PSE-C profile mounting

1. RANGE

ITEM	CODE	PHOTO	DESCRIPTION	ADJUSTABLE HEIGHT	MATERIAL
1	GSTU040055		Adjustable roof hook for universal roof tile. Stainless steel A2	40 - 55 mm	A2 INOX AISI 304 C4 AISI-304

2. INSTALLATION INFORMATION

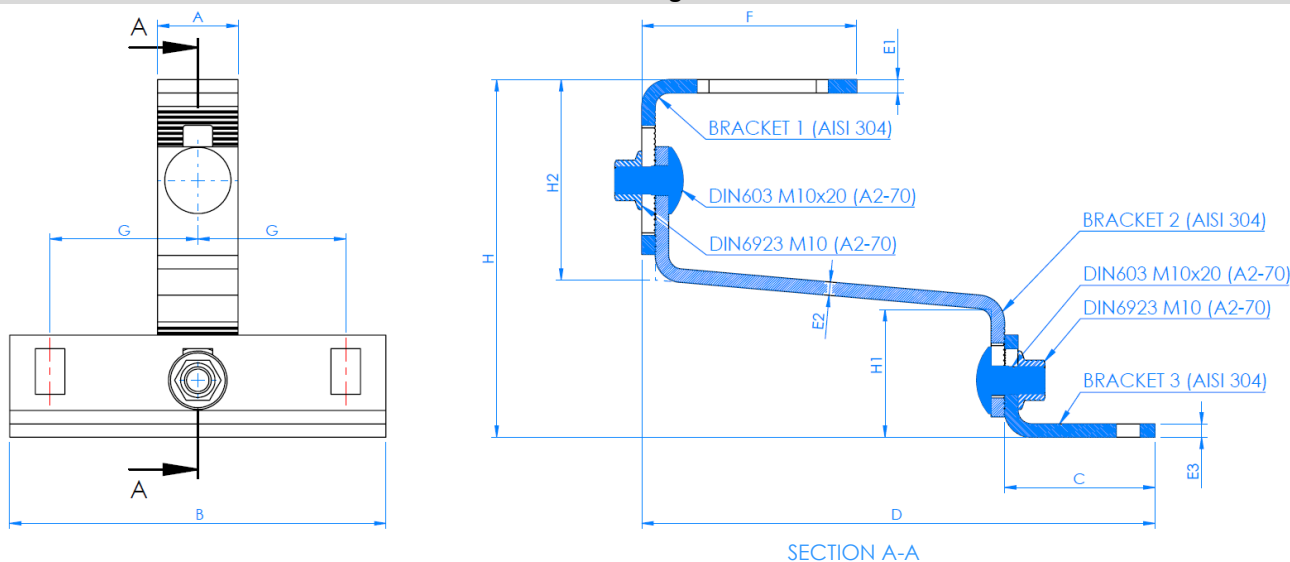## 2.1 GS-TU — Adjustable roof hooks for universal roof tile. Stainless steel A2

Material	Compatible	Mounting accessories	Roof
A2 INOX AISI 304 — AISI-304	**PSE-A** Aluminium profile for assembled fixing	**KFSFIM08** Cross connector for bottom fixing	**Tile**
	PSE-C Aluminium profile for lateral assembled fixing	**KFSFIM08 + PMOL + D603I08016 + D6923IM08**	
	GP-XS INDEXTRUT solar perforated guide	**D603I08016 + D6923IM08** DIN-603 M8x16 + DIN-6923 M8	

Sub-structure base material			Fixing accessories	
Wood			**TP A2** Countersunk head chipboard screw, A2 Stainless steel	**TN4S** 4-way expansion nylon plug
			DIN-571 A2 Coach wood screw w/ hexagonal head, A2 Stainless steel	
Concrete / **Hollow concrete** / **Hollow brick** / **Thermo-clay**			**EQ-A2** Stud bolt for chemical anchor. A2 Stainless steel. / **HE+ARVUL** Screw for direct fixing. Screw with vulcanized EPDM-steel washer.	**Chemical anchor** / **MO-TL** Long cut-out sieve

Measurement table

Code	H1(mm)	H2(mm)	H (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E1(mm)	E2(mm)	E3(mm)	F (mm)	G (mm)
GSTU040055	40-55	50-80	110-155	30	140	56	191	5	5	5	80	55

Drawing

SECTION A-A

BRACKET 1 (AISI 304)
DIN603 M10x20 (A2-70)
DIN6923 M10 (A2-70)
BRACKET 2 (AISI 304)
DIN603 M10x20 (A2-70)
DIN6923 M10 (A2-70)
BRACKET 3 (AISI 304)

	Installation table							
	Height adjustment			Profile fixing			Compression	Tensile
Ref.	Nut	Height adjustment wrench (mm)	Max. installation tightening torque (N/m)	Nut	Installation wrench (mm)	Max. installation tightening torque (N/m)	Design load (kN)	Design load (kN)
GSTU040055	M10	SW15	28	M8	SW13	14	0.4	0.4