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**
	HOLLOW BRICK			**MO-TL** Long cut-out sieve

APPLICATION EXAMPLES

Application example 1: PSE-A profile mounting on concrete roof
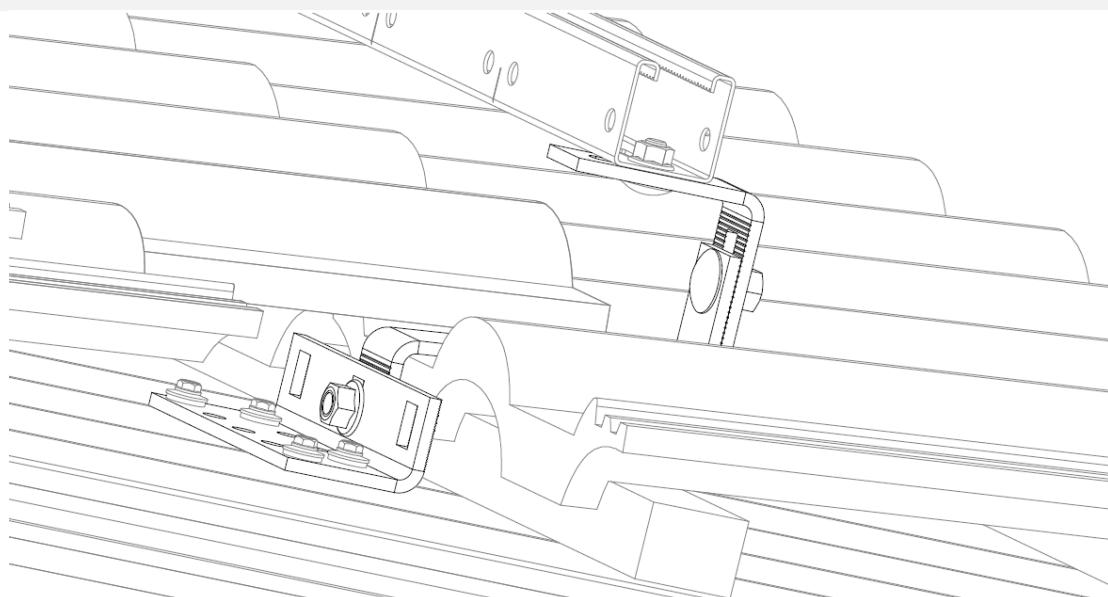
Application example 2: Mounting of GP-XS perforated guide on concrete roof
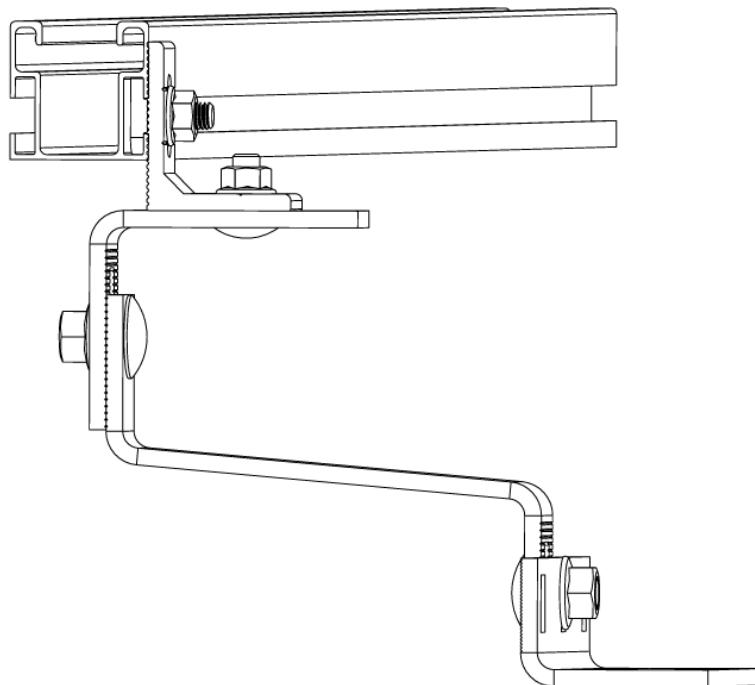
Application example 3: PSE-C profile mounting

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 C4 **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		
				TP A2 Countersunk head chipboard screw, A2 Stainless steel	**TN4S** 4-way expansion nylon plug	
		Wood		**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

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)

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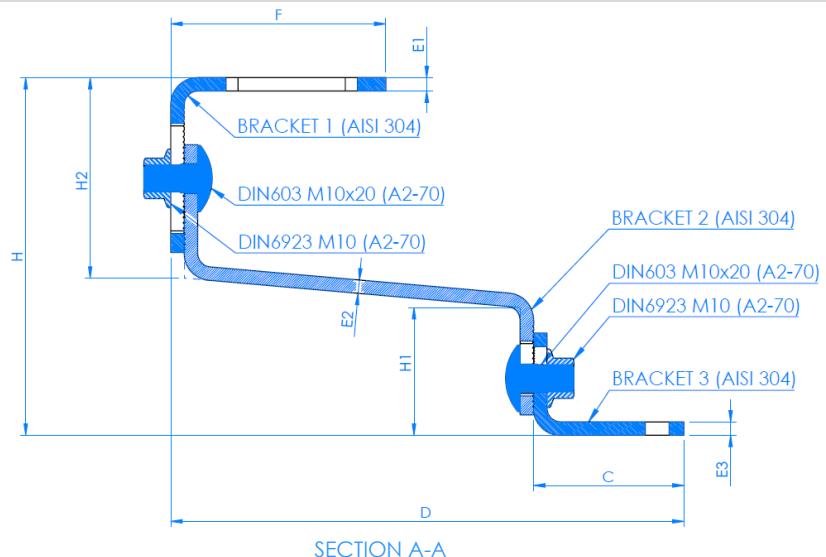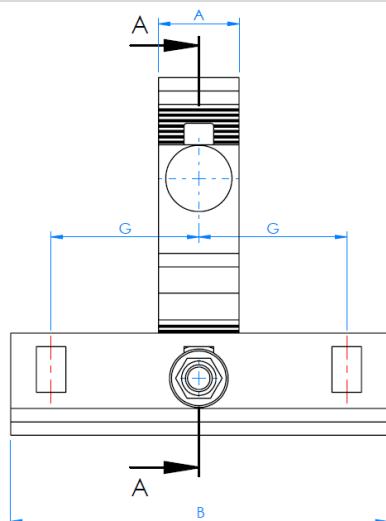
Installation table								
	Height adjustment			Profile fixing			Compression	Tensile
Ref.	Nut	Height adjustment wrench (mm)	Max. installation tightening torque (Nm)	Nut	Installation wrench (mm)	Max. installation tightening torque (Nm)	Design load (kN)	Design load (kN)
GSTU040055	M10	SW15	28	M8	SW13	14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