TECHNICAL DATA SHEET:
Solar range/Adjustable accessories for solar panels installation

INDEX
A PERFECT FIXING

STR

PRODUCT DESCRIPTION

- Adjustable support for trapezoidal roof. Stainless steel A2.

CHARACTERISTICS

- Fixing system for installation of roof-mounted solar panels.
- Pre-assembled product.
- Includes three AISI-304 brackets.
- Includes one DIN-6923 nut and one DIN-603 M8 bolt in A2-70 stainless steel.
- For outside use.
- For sheet metal and sandwich panel trapezoidal roofs.
- Width-adjustable for most trapezoidal roofs.
- Height-adjustable.
- Includes double-sided EPDM seam tape for improved positioning and watertightness.
- Includes four drilled holes for ease of attachment.
- Sturdy roof attachment, highly resistant to shearing.
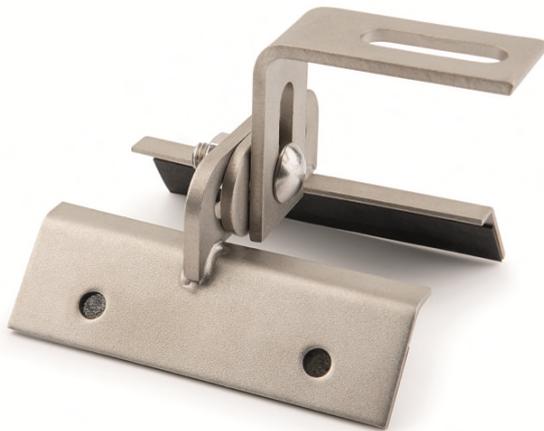
APPLICATIONS/MOUNTING ACCESSORIES

PSE-A   **KFSFIM08**

Used in **coplanar aluminium assembly systems** to attach solar panels to metal trapezoidal roofs. When mounting the **PSE-A** "aluminium profile for assembled fixing", a **KFSFIM08** "cross connector for bottom fixing kit" is used on each trapezoidal support.

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 **Atlantis steel coplanar systems** to attach solar panels to metal trapezoidal roofs. When mounting **GP-XS** "INDEXTRUT perforated solar guides", 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.

INDEX
A PERFECT FIXING

BASE MATERIAL/FIXING ACCESSORIES
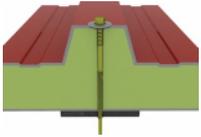
Sandwich panel

Metal sheet

TAC-N/TAC-B
Atlantis/Bimetal thin sheet screw

AUENI
Atlantis self-tapping screw

APPLICATION EXAMPLES
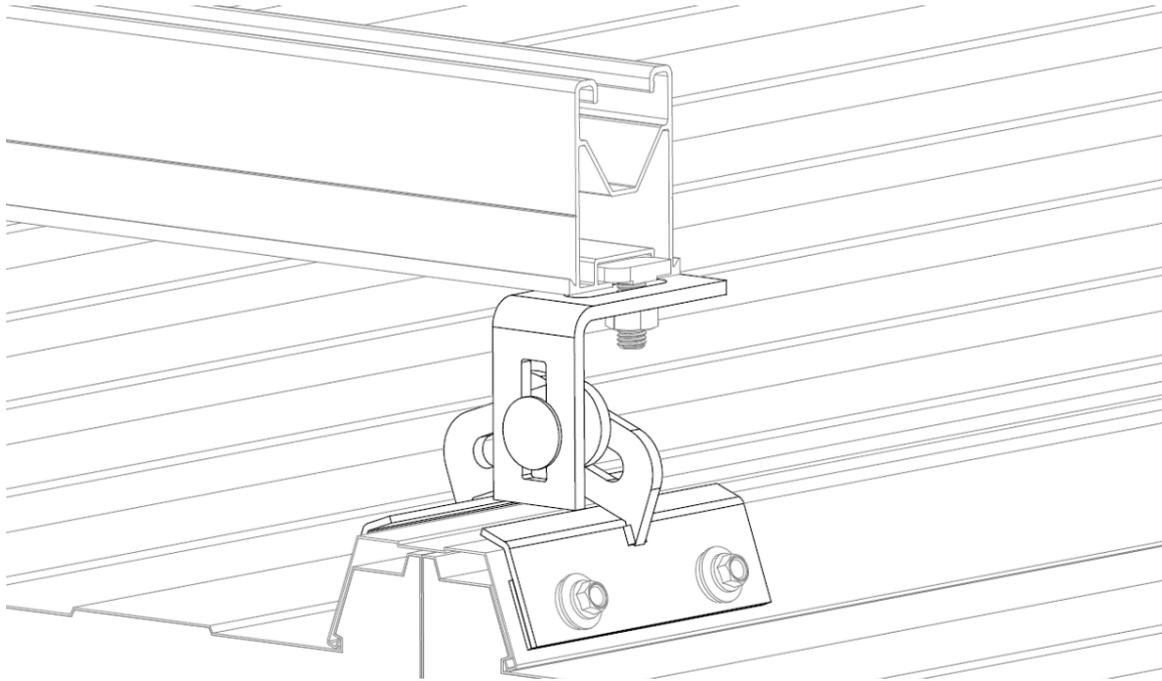
**Application example 1: PSE-A profile mounting**
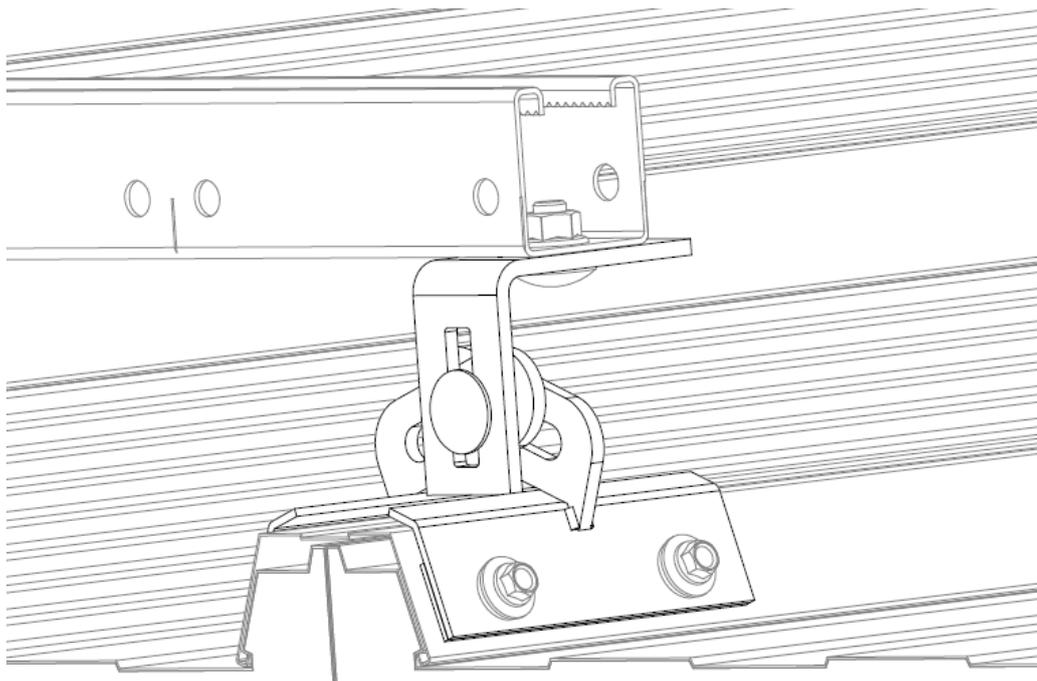
Application example 2: Mounting of the GP-XS guide rail
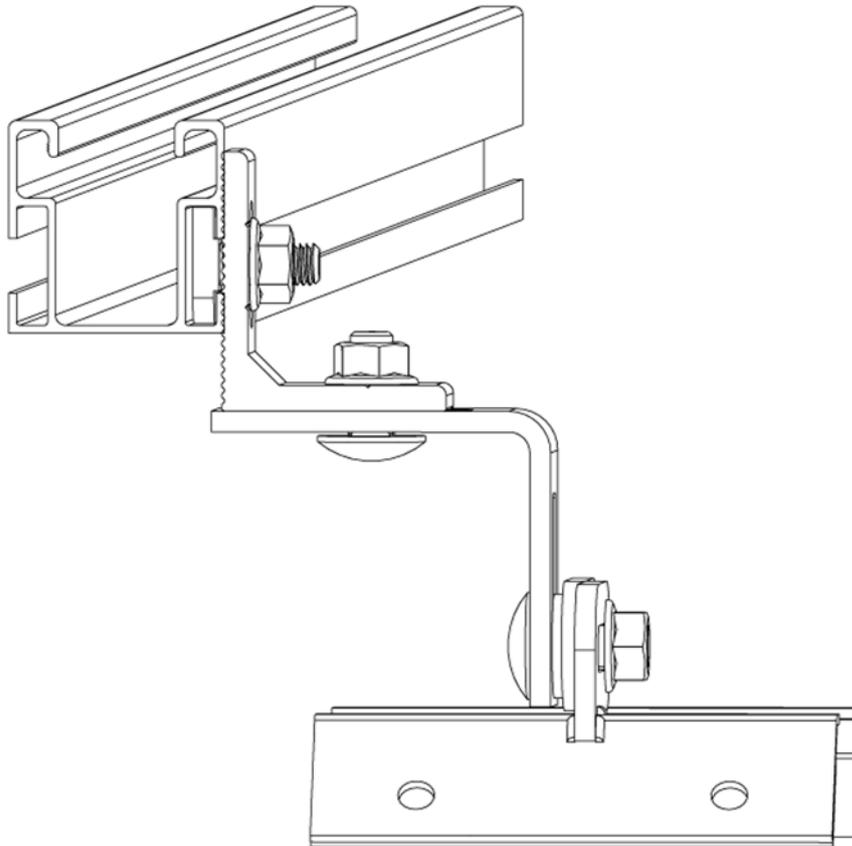
Application example 3: PSE-C profile mounting

1. RANGE

ITEM	CODE	PHOTO	DESCRIPTION	WIDTH-ADJUSTABLE	MATERIAL	
1	STR1680		Adjustable support for trapezoidal roof. Stainless steel A2	16 - 80 mm	A2 INOX AISI 304 C4 / AISI-304	EPDM / EPDM

2. INSTALLATION INFORMATION

2.1 STR — Adjustable support for trapezoidal roof. Stainless steel A2
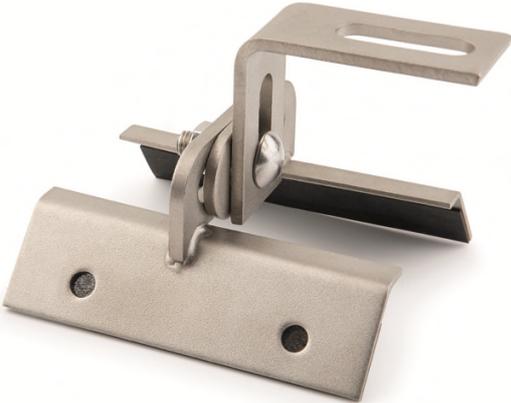
Material	Compatible	Assembly accessories
A2 INOX AISI 304 **C4** — **AISI-304**	**PSE-A** Aluminium profile for assembled fixing	**KFSFIM08** Cross connector for bottom fixing
EPDM — **EPDM**	**PSE-C** Aluminium profile for lateral assembled fixing	**KFSFIM08 + PMOL + D603I08016 + D6923IM08**
	GP-XS INDEXTRUT solar perforated guide.	**D603I08016 + D6923IM08** DIN-603 M8x16 + DIN-6923 M8

Base materials		Fixing accessories	
Metal sheet	**Sandwich panel**	**TAC-N / TAC-B** Atlantis/Bimetal thin sheet screw	**AUENI** Atlantis self-tapping screw

Measurement table

Code	A (mm)	B (mm)	C (mm)	D (mm)	E1 (mm)	E2 (mm)	E3 (mm)	E4 (mm)	F (mm)	G (mm)	H (mm)	ß (°)
STR1680	16-80	60	30	20	4	4	2	1.5	655	100	35-60	50

Drawing

BRACKET 2 (AISI 304)
BRACKET 2 (AISI 304)
EPDM TAPE DOUBLE SIDED

BRACKET 1 (AISI 304)
DIN125 M10 (A2-70)
DIN603 M8x20 (A2-70)
DIN6923 M8 (A2-70)
x4 Drill hole ø 7mm

SECTION A-A
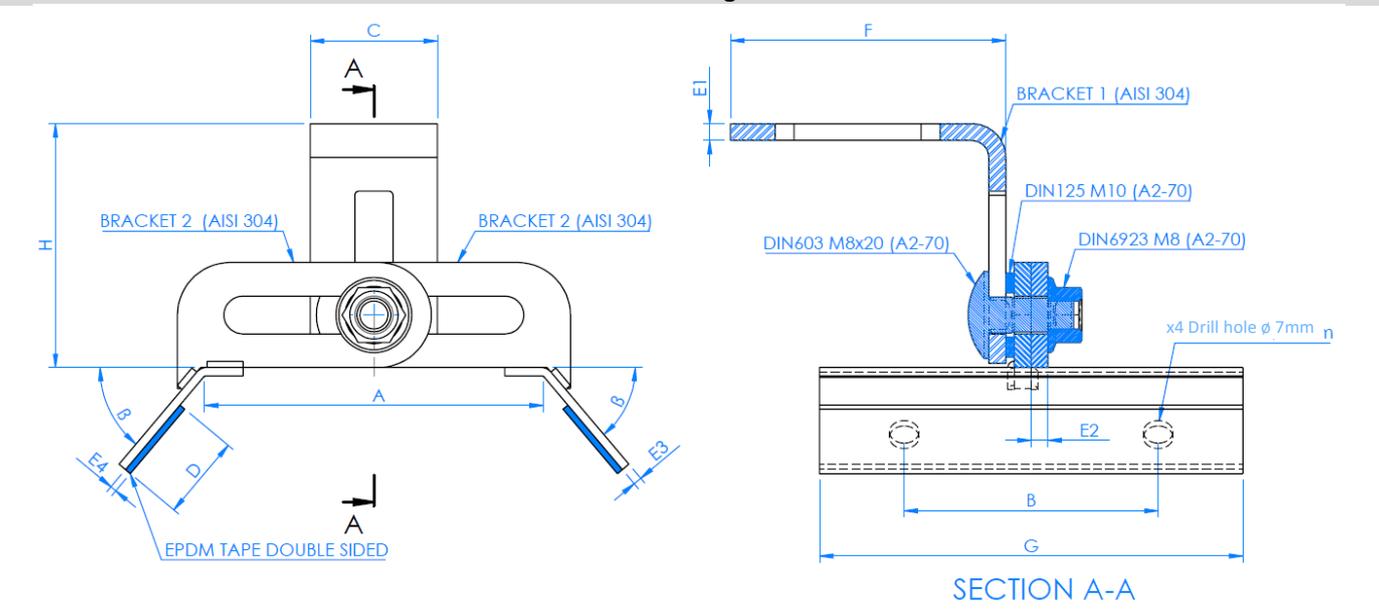
Installation table

	Height adjustment			Profile fixing			
	Nut	Height adjustment wrench (mm)	Maximum installation tightening torque (N/m)	Nut	Installation wrench (mm)	Maximum installation tightening torque (N/m)	Design load N_{Rd} (kN)
STR1680	M8	SW13	14	M8	SW13	14	1.4