GP-VD

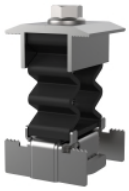
PRODUCT DESCRIPTION

- INDEXTRUT solar perforated guide. Atlantis C4-M

CHARACTERISTICS

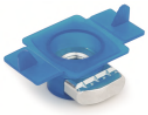
- Perforated guide for installation of solar panels on roofs.
- Manufactured from Atlantis® C4-M-coated S280 steel.
- For outside use.
- Designed for coplanar assembly systems.
- Assembly of the discontinuous format profile
- Direct fixing in the valley area between ribs, on sheet metal and sandwich panel roofs
- Includes an adhesive EPDM band under the central part, to facilitate positioning and guarantee watertightness
- Height of the profile of 62 mm to exceed the height of the fretwork
- General thickness of 2 mm.
- Central groove compatible with INDEXTRUT accessories

APPLICATIONS / MOUNTING ACCESSORIES



KFRSC3050 / KFRSCN3050

PGSA26 / PGSN26



TURXA208

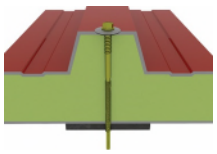
6921I08070

These are used in **coplanar steel assembly systems** as structural elements onto which solar panels can be mounted and supported as continuous profiles as well as interrupted profiles on coplanar systems.
In order to attach solar panels to the guide, one of the following assembly accessories should be used:

1. **KFRSC3050 / KFRSCN3050** “quick pre-assembled clamp for solar panels - complete kit”.
2. References:
   - One **PGSA26 / PGSN26** “single aluminium clamp for solar panels”.
   - One **TURXA208** “INDEXTRUT quick nut, A2 stainless steel”.
   - One **6921I08070** DIN-6921 M8x70 all-thread bolt.

BASE MATERIALS / FIXING ACCESSORIES

BASE MATERIAL



Sandwich panel

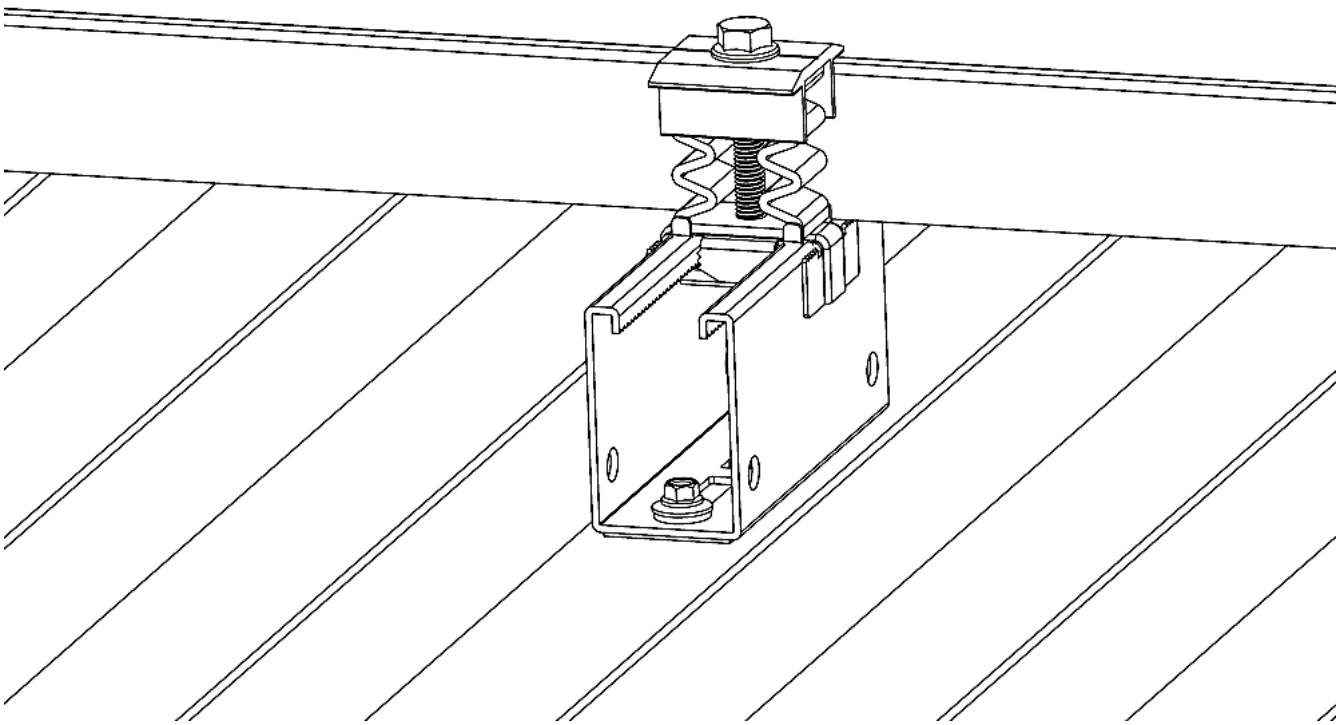
Metal sheet

FIXING ACCESSORIES

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

AUENI
Atlantis self-drilling screw

APPLICATION EXAMPLES



Application example 1: Direct fixing by thin sheet screws to a 2-ribs sandwich panel with flashing.

1.RANGE

ITEM	CODE	PHOTO	DESCRIPTION	LENGTH	MATERIAL	COVERING
1	**GPVD4162012**		Perforated guide INDEXTRUT solar for fixing on valley	125mm	Steel	Atlantis C4-M

2.INSTALLATION DATA

2.1 GP-VD

Perforated guide INDEXTRUT solar for fixing on valley

Material

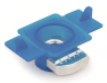
Steel

Atlantis C4-M

Assembly accessories

KFRSC3050 / KFRSCN3050
Quick pre-assembled clamp

PGSA26 / PGSN26
Simple clamp

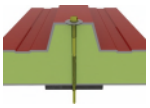


TURXA208
INDEXTRUT quick nut

6921I08070
A2-70 DIN-6921

Base material

Metal sheet



Sandwich panel

Fixing accessories

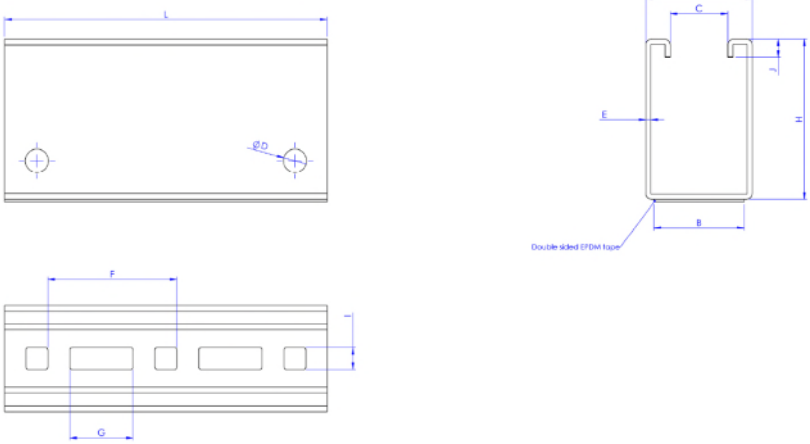
TAC-N / TAC-B
Atlantis/Bimetal thin sheet screw

AUENI
Atlantis self-drilling screw

Measurement table

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	L (mm)
GPVD4162012	41,3	35	22,3	9	2	50	24,5	62	8,5	7	125

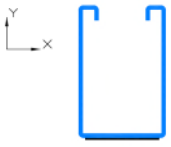
Drawing



Mechanical properties of the material

	Yield strength $F_{y0,2}$ (N/mm²)	Ultimate load F_u (N/mm²)	Elastic modulus E (N/mm²)	Transverse elastic modulus G (N/mm²)	Linear expansion coefficient α_L (µm / mK)	Specific weight ρ (Kg/m³)
S280 Steel	280	360	210.000	81.000	12	7.850

Mechanical properties of the guide rail

	Area S (cm²)	Moment of inertia I_X (cm4)	Moment of inertia I_Y (cm4)	Section modulus W_X (cm³)	Section modulus W_Y (cm³)	Linear weight W (kg/m)
 GP-VD	3,66	11,2	17,9	1,8	8,73	2,6