GP-VD



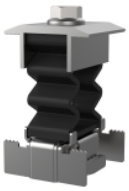
PRODUCT DESCRIPTION

- 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

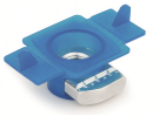
APPLICATIONS / MOUNTING ACCESSORIES



KFRSC3050



PGSA26



TURXA208



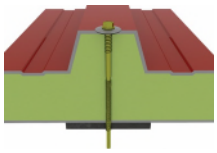
6921I08070

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** “quick pre-assembled clamp for solar panels - complete kit”.
2. References:
   - One **PGSA26** “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

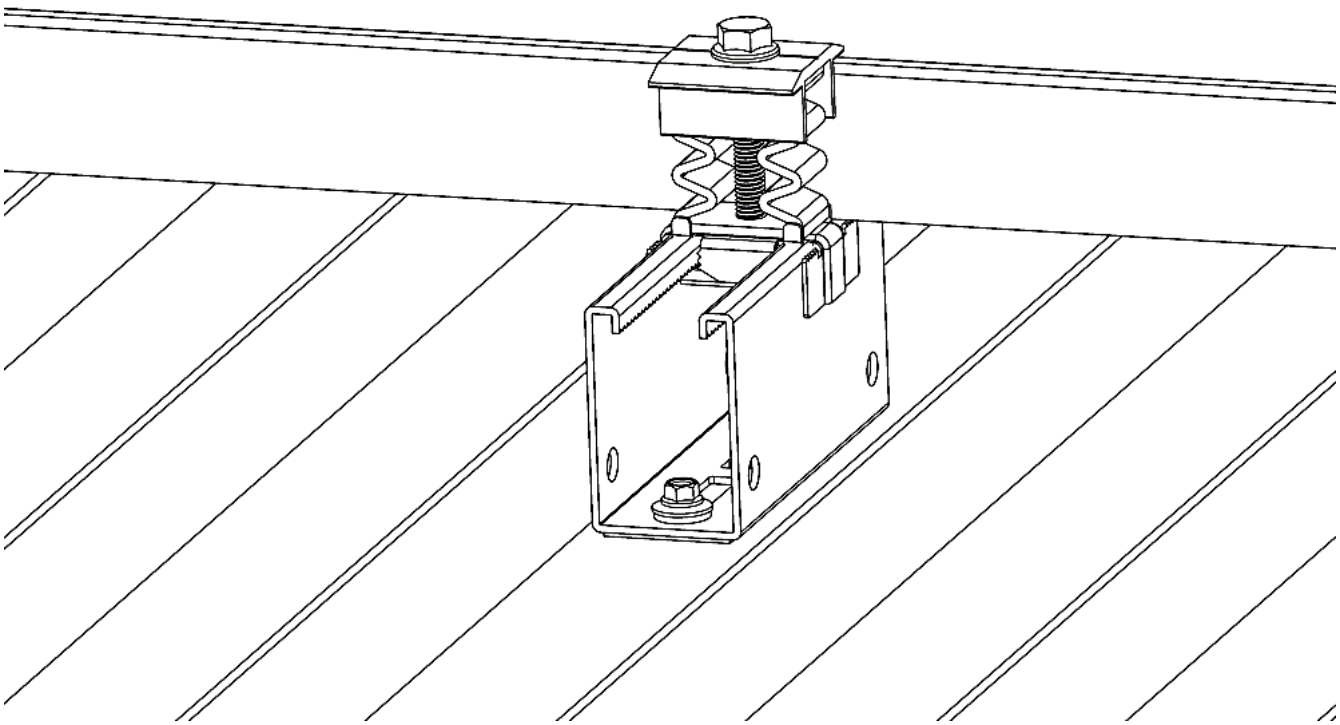


TAC-N / TAC-B
Atlantis/Bimetal thin sheet screw



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



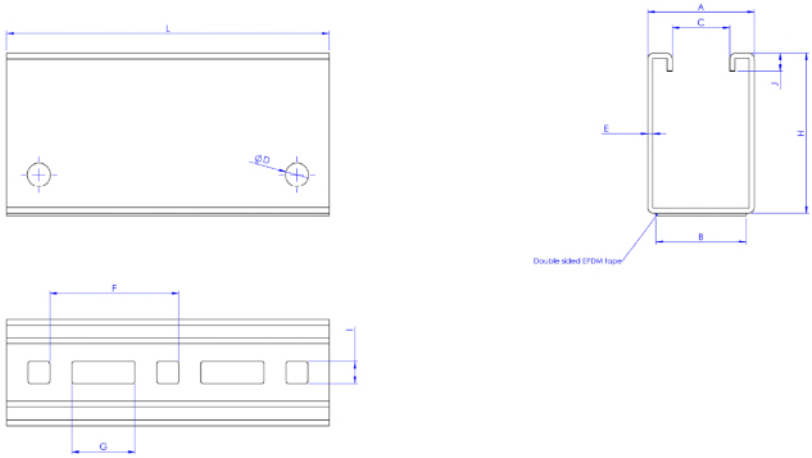
Material	Assembly accessories
Steel	KFRSC3050 Quick pre-assembled clamp
Atlantis C4-M	PGSA26 Simple clamp; TURXA208 INDEXTRUT quick nut; 6921I08070 A2-70 DIN-6921

Base material	Fixing accessories
Metal sheet; Sandwich panel	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

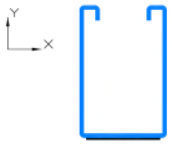
Drawing



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