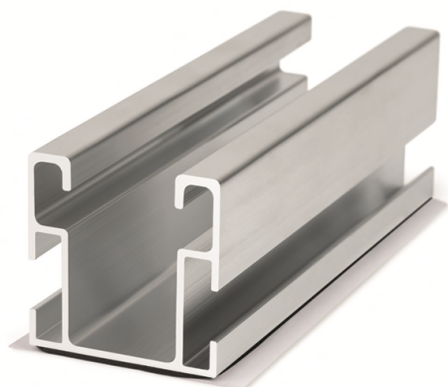


TECHNICAL DATASHEET:

Solar range / Profiles, joints, channels and connectors for supporting structure

PSE-CB



PRODUCT DESCRIPTION

- Aluminium profile for side mounting with butylene adhesive sealing tape

CHARACTERISTICS

- Profile for installation of solar panels on roofs.
- Extruded 6063-T6 aluminium alloy profile.
- For outside use.
- Designed for coplanar assembly systems.
- Assembled, detachable and reusable fixing.
- Profile height – 40 mm, with high bending resistance.
- General thickness – 1.5 mm.
- Central groove compatible with INDEXTRUT accessories.
- Includes butylene tape at the bottom to reduce operator assembly time.
- Available in anodized.

APPLICATIONS/MOUNTING ACCESSORIES

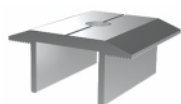


KFRSC3050 / KFRSCN3050

These are used in **coplanar aluminium installation systems** as structural elements onto which solar panels can be mounted and supported as continuous profiles.

In order to attach solar panels to the profile, one of the following assembly accessories should be used:

- KFRSC3050 / KFRSCN3050** “quick pre-assembled clamp”.
- Reference numbers:
 - One **PGSA26 / PGSN26** “simple clamp”.
 - One **TURXA208** “INDEXTRUT quick nut”.
 - One **6921108070** DIN-6921 M8x70 all-thread bolt.



PGSA26 /
PGSN26



TURXA208



6921108070

FIXING SYSTEM/ASSEMBLY ACCESSORIES

Mounting with direct fixing/Application example 1

FIXING SYSTEM



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



DIN-7504-K RE NI+ARVUL
Atlantis C4-M reduced point self-drilling screw

BASE MATERIAL/FIXING

See technical datasheet:

- Coplanar installation system with PSE-C aluminium profile. Assembled fixing (SC-PSI).

TECHNICAL DATASHEET:

Solar range / Profiles, joints, channels and connectors for supporting structure

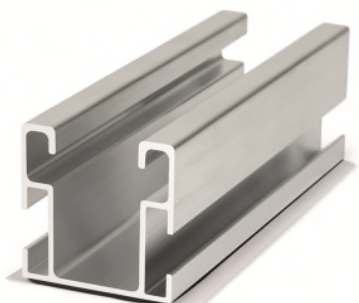
1.RANGE

ITEM	CODE	PICTURE	DESCRIPTION	LENGTH	MATERIAL	ACABADO
1	PSECB410125		Aluminium profile for side mounting with butylene adhesive sealing tape	125 mm		
	PSECB410200			200 mm	 Butylene	Natural anodized 15 microns (AA15)

2.INSTALLATION DATA

2.1 PSE-CB

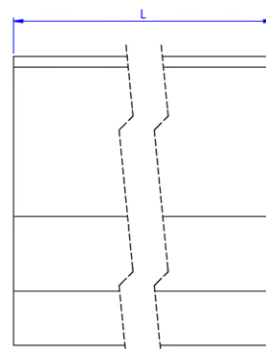
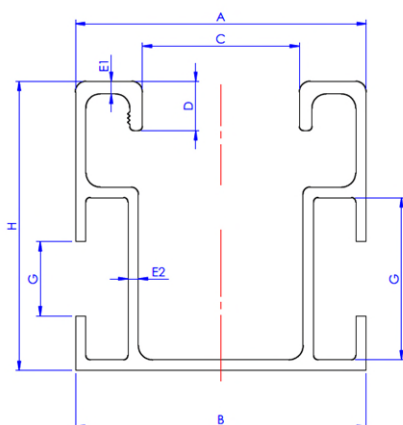
Aluminium profile for side mounting with butylene adhesive sealing tape

	Material	Finish	Assembly accessories		
	 Aluminium 6063-T6	 Natural anodized 15 µm (AA15)	 KFRSC3050 / KFRSCN3050 Quick pre-assembled clamp		
	 Butylene		 PGSA26 / PGSN26 Simple clamp	 TURXA208 INDEXTRUT quick nut	 6921I08070 A2-70 DIN-6921 stainless steel bolt
	Fixing systems				
BASE MATERIAL/FIXING	 TAC-N / TAC-B Atlantis/Bimetal thin sheet screw		 DIN-7504-K RE NI + ARVUL Atlantis C4-M reduced point self-drilling screw		
	See technical data sheets: SC-PSI: Coplanar installation system on aluminium profile for assembled fixing				

Installation data

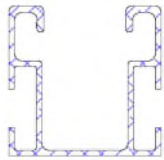
Code	A (mm)	B (mm)	C (mm)	D (mm)	E1 (mm)	E2 (mm)	G (mm)	H (mm)	L (mm)
PSECB410125	41	41	22	7	1,8	1,5	23	41	125
PSECB410200	41	41	22	7	1,8	1,5	23	41	200

Drawing



TECHNICAL DATASHEET:

Solar range / Profiles, joints, channels and connectors for supporting structure

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/C°)	Specific weight ρ (kg/m³)
Aluminium EN AW-6063-T6	170	215	69.500	26.100	23,5	2.700
Mechanical properties of the profile.						
	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)
 PSE-C	2,92	6,14	7,02	2,99	3,43	0,79