PSA-UN

PRODUCT DESCRIPTION

- Winged aluminium profile connector.

CHARACTERISTICS

- Profile for the lengthwise joining of PSA-A profiles.
- Extruded 6063-T6 aluminium alloy profile.
- For outside use.
- Interior coupling for PSA-A profiles without interfering with any operations
- 200 mm length for a strong joint.

APPLICATIONS/MOUNTING ACCESSORIES

PSA-A

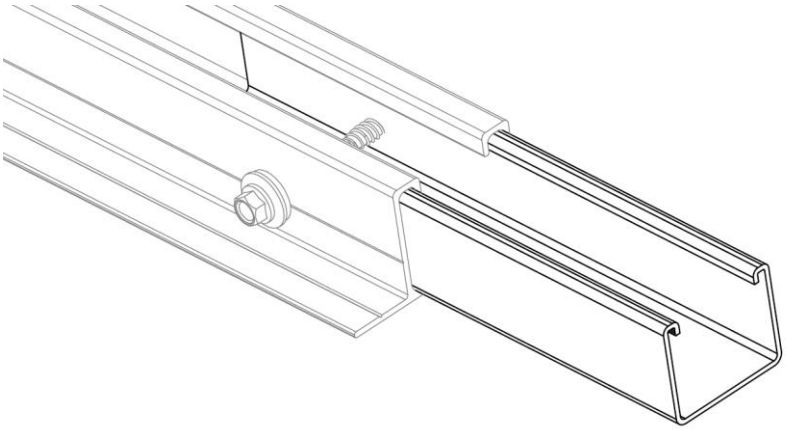
ABEI5519

Used in **coplanar aluminium profile systems for direct fixing with continuous profile format** for the lengthwise joining of **PSA-A** "winged aluminium profile".

Its specific design allows profiles to be joined via their central groove without interfering with any operations.

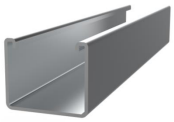
The fixing of profiles to joints is via stainless steel A2-70 **ABEI5519** "DIN-7504-K self-drilling screws". These screws are easily positioned thanks to the grooves in the sides of the profiles.

APPLICATION EXAMPLE



Application example 1: Lengthwise joining of PSA-A profiles.

1. RANGE

ITEM	CODE	PHOTO	DESCRIPTION	LENGTH	MATERIAL
1	**PSAUN200**		Winged aluminium profile connector	200 mm	Al C3 6063-T6 aluminium

2. INSTALLATION INFORMATION

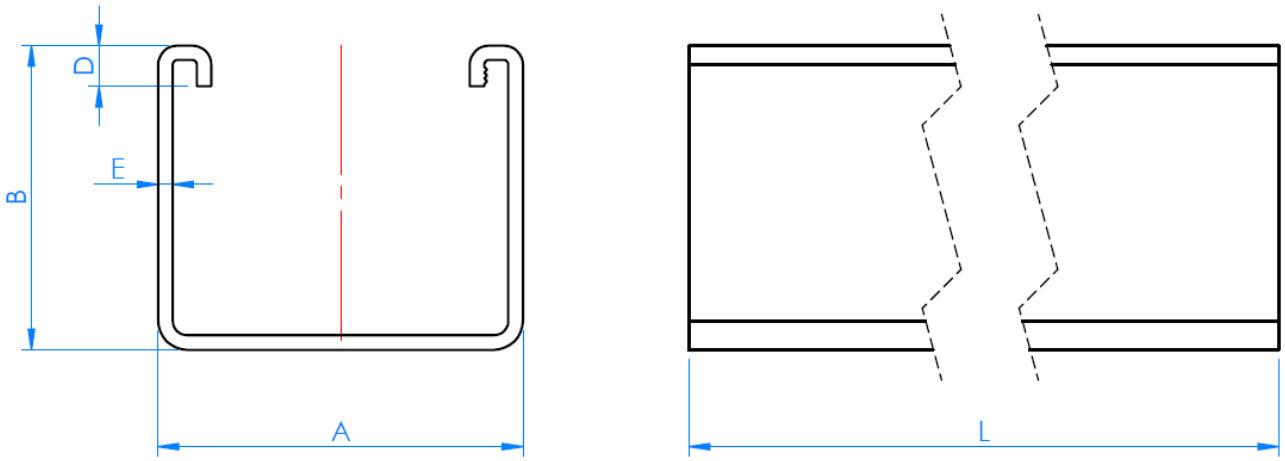
2.1 PSA-UN — Winged aluminium profile connector

Material	Compatible with	Assembly accessories
6063-T6 aluminium	PSA-A Winged aluminium profile	ABEI5519 A2 DIN-7504-K bolt

Measurement table

Code	A (mm)	B (mm)	C (mm)	E1 (mm)	L (mm)
PSAUN200	37.7	31.4	4.2	1.5	200

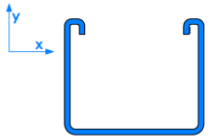
Drawing



Mechanical properties of the material

	Yield strength $F_{y\,0.2}$ (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)
EN AW-6063-T6 aluminium	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)
 PSA-UN	1.61	2.05	3.88	1.09	2.06	0.434