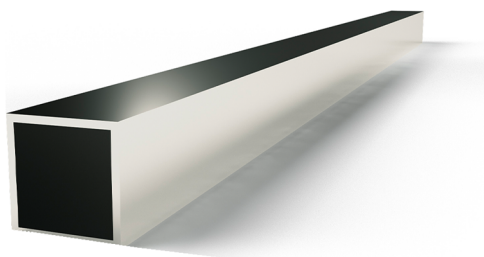


PLI-UN



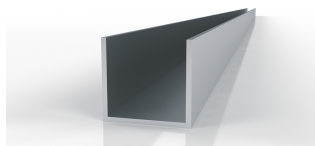
PRODUCT DESCRIPTION

- Union profile for ballasted system.

CHARACTERISTICS

- Profile for longitudinal joining of PLI profiles.
- Extruded profile in 6063 T6 aluminium alloy.
- Outdoor use.
- Fixed to PLI profiles using self drilling screws ABEI5519.
- Length of 600mm, leaving enough space for maintenance and avoiding shadows between modules.

APPLICATIONS / MOUNTING ACCESSORIES



PLI



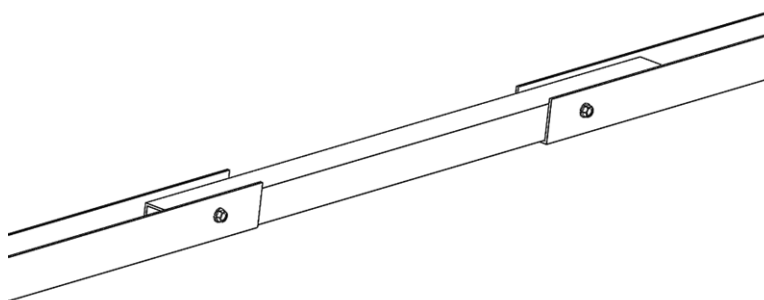
ABEI5519

Used in the ballasted system, as a longitudinal connecting element for **PLI** profiles "Lower Ballasted Profile in Aluminium".

Its specific dimensions allow a perfect fit to the lower profiles.

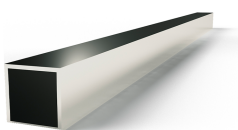
The profiles and joint are secured using **ABEI5519** "self drilling screw DIN-7504-K" in stainless steel A2-70. The screws are positioned in cross pattern in order to avoid internal collisions.

APPLICATIONS EXAMPLES



Application example 1: Longitudinal fit of PLI profiles

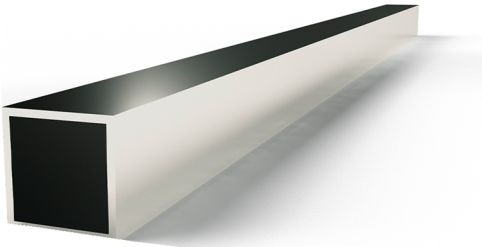
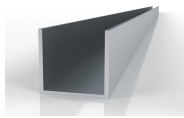
1.RANGE

ITEM	CODE	PHOTO	DESCRIPTION	LENGHT	MATERIAL
1	PLIUN600		Union profile of the ballasted system	600mm	 Aluminium 6063-T6

2.INSTALLATION DATA

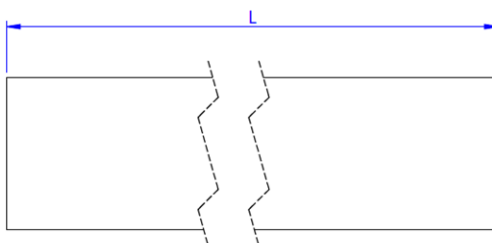
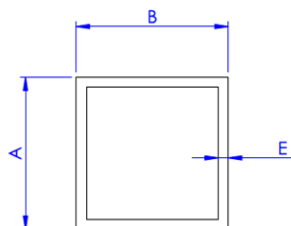
2.1 PLI-UN

Union profile of the ballasted system

	Material	Compatible with	Mounting accessories
	 Aluminium 6063-T6	 PLI Lower ballasted profile in aluminium	 ABE15519 Screw DIN-7504-K A2

Measurement table

Code	A (mm)	B (mm)	E1 (mm)	L (mm)
PSEUN60200	30	30	2	600

Drawing

Mechanical properties of the material

	Yield strength $F_{0,2}$ (N/mm ²)	Breaking load F_u (N/mm ²)	Elastic modulus E (N/mm ²)	Transverse elastic modulus G (N/mm ²)	Linear coef. of expansion α_L ($\mu m / mK$)	Specific weight ρ (Kg/m ³)
Aluminium EN AW-6063-T6	170	215	69.500	26.100	23,5	2.700

Mechanical properties of the profile

	Area S (cm ²)	Mom. of inertia I_x (cm ⁴)	Mom. of inertia I_y (cm ⁴)	Linear weight W (kg/m)
 PLI-UN	2,24	4,36	9,53	0,605