

# AEROCOMPACT®

ENGLISH

**NEW**

RAISED  
TLE TRAPEZOIDAL  
SHEET BRIDGE

## COMPACTMETAL TL

COMPACTMETAL TL STANDS FOR A SIMPLE AND VERSATILE PV MOUNTING SOLUTION ON TRAPEZOIDAL SHEET METAL ROOFS. THE TRAPEZOIDAL BRIDGES, AVAILABLE IN 250 MM OR 380 MM LENGTHS, ARE SCREWED OVER TWO HIGH BEADS OF THE TRAPEZOIDAL SHEET WITHOUT THE NEED FOR CUTTING OR PRE-DRILLING. THE CLICK MODULE CLAMPS ARE MOUNTED DIRECTLY ONTO THE TRAPEZOIDAL SHEET METAL BRIDGE.

### INTELLIGENT SOLAR RACKING

- + Minimal material and installation effort
- + Versatile due to modular construction system
- + For high wind and snow loads
- + TLE with integrated potential equalisation

# COMPACTMETAL TL

## TRAPEZOIDAL SHEET ROOF – BRIDGE SYSTEM

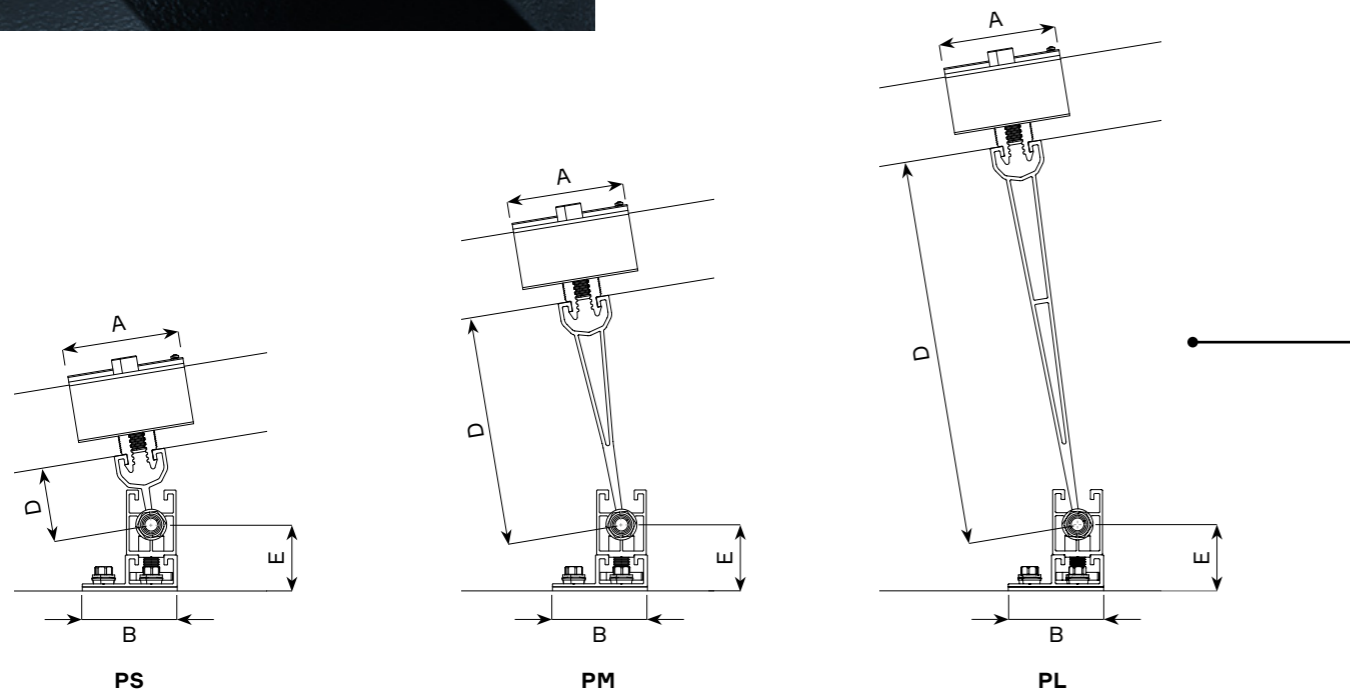
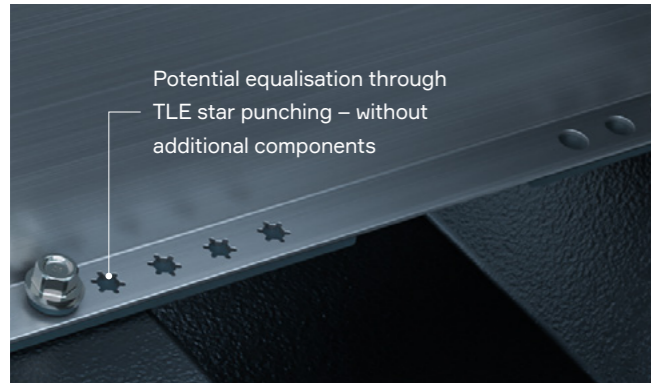
The COMPACTMETAL TL25 and TL38 trapezoidal sheet bridges are for longitudinal and transverse mounting of modules. The bridges are pre-assembled with sealing tape.

## TL25/TL38 TRAPEZOIDAL SHEET BRIDGE

Direct mounting with module clamps on trapezoidal sheet metal bridges minimizes material costs and working time. Full safety and fast installation at the best price.

## TLE25/TLE38 RAISED TRAPEZOIDAL SHEET METAL BRIDGE

A rail with a height of 80 mm has been added to the product range to ensure better rear ventilation and enable the installation of optimisers. The TLE bridge thus minimises installation work.

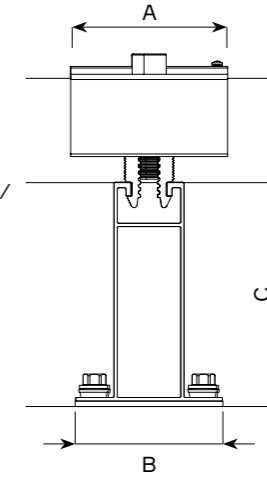


	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
TL25/TL38	60	49	18,5	-	-
TLE25/TLE38	60	54	82	-	-
TL25/TL38 – EL05	60	49	52	-	-
TL25/TL38 – EL10	60	49	102	-	-
TL25/TL38 – EL05 – PS/PL	60	49	-	38	34
TL25/TL38 – EL05 – PS/PM	60	49	-	118	34
TL25/TL38 – EL05 – PS/PL	60	49	-	198	34

# THE VERSIONS

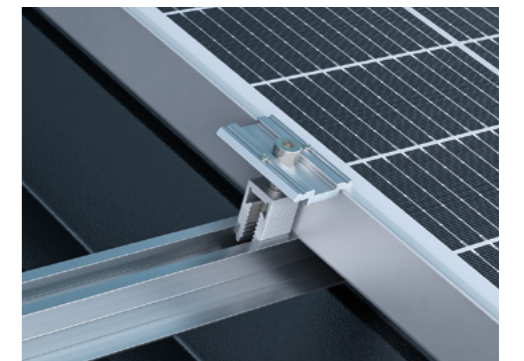
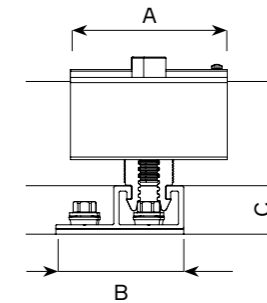
## TLE25/TLE38

- + TLE25 trapezoidal sheet bridge, length 250 mm / TLE38 trapezoidal sheet bridge, length 380 mm
- + CLE10 end clamp Click 30–46 mm
- + CLM10 middle clamp Click 30–46 mm
- + MSS 6x25 metal sheet screw



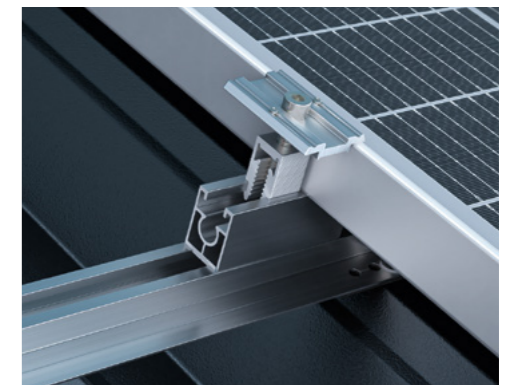
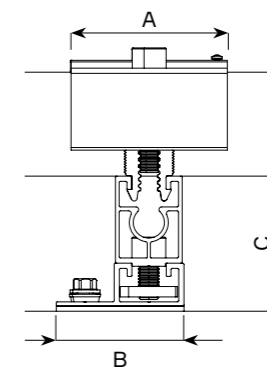
## TL25/TL38

- + TL25 trapezoidal sheet bridge, length 250 mm / TL38 trapezoidal sheet bridge, length 380 mm
- + CLE10 end clamp Click 30–46 mm
- + CLM10 middle clamp Click 30–46 mm
- + MSS 6x25 metal sheet screw



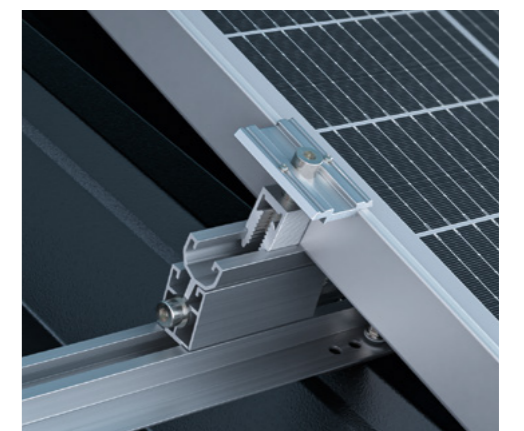
## TL25/TL38 – EL05/EL10

- + TL25 trapezoidal sheet bridge, length 250 mm / TL38 trapezoidal sheet bridge, length 380 mm
- + EL05/EL10 height adapter
- + CLE10 end clamp Click 30–46 mm
- + CLM10 middle clamp Click 30–46 mm
- + MSS 6x25 metal sheet screw



## TL25/TL38 – EL05/EL10 – PS/PM/PL

- + TL25 trapezoidal sheet bridge, length 250 mm / TL38 trapezoidal sheet bridge, length 380 mm
- + EL05 height adapter
- + PS front inclination adapter
- + PM rear inclination adapter
- + PL rear inclination adapter
- + CLE10 end clamp Click 30–46 mm
- + CLM10 middle clamp Click 30–46 mm
- + LSP locking screw set to secure the inclination adapters
- + MSS 6x25 metal sheet screw



# AEROCOMPACT®

- + One-man installation possible
- + Minimal storage
- + PV module positioning support
- + Developed in Austria

## TECHNICAL DATA

<b>DESCRIPTION</b>	Mounting system with rail bridges for mounting framed PV modules on metal roofs. Clamping on the long module side enables high wind or snow loads and the use of large-area PV modules.
<b>AREA OF APPLICATION</b>	On trapezoidal sheet metal roofs with a sheet thickness of at least 0.5 mm (aluminum) or 0.4 mm (steel).
<b>MODULE DIMENSIONS</b>	Any
<b>INSTALLATION ANGLE</b>	In the basic version roof-parallel, with tilt adapters additional elevation by approx. 5° (modules mounted upright) or 10° (modules mounted crosswise).
<b>CLAMPING OPTIONS</b>	Module fastening with clamps preferably on the long side (modules mounted upright), if necessary also on the short side (modules mounted crosswise).
<b>DISTANCE TO ROOF SURFACE</b>	In basic version 18 mm, with additional height adapters 50 mm or 100 mm.
<b>DISTANCE FROM THE ROOF EDGE</b>	No minimum distance required.
<b>MAX. BUILDING HEIGHT</b>	100 m (adaptation to higher buildings on request).
<b>MAX. ROOF INCLINATION</b>	In the basic version up to a maximum of 75°, when using height or tilt adapters less.
<b>MAX. FIELD SIZE</b>	Vertically unlimited, horizontally approx. 5.7 m or 5 modules (mounted upright).
<b>MIN. FIELD SIZE</b>	No lower limit.
<b>WIND LOAD</b>	System adaptable through flexible planning up to the maximum load capacity of the PV module.
<b>SNOW LOAD</b>	System adaptable through flexible planning up to the maximum load capacity of the PV module.
<b>DESIGN / PROOF OF STABILITY</b>	Software-supported based on country-specific construction standards.
<b>ON-SITE REQUIREMENTS</b>	It must be ensured on site that the roof structure and building structure have the sufficient structural load-bearing capacity and that the roof structure has sufficient compressive load-bearing capacity. The general terms and conditions, warranty conditions and the user agreement apply. The module release must also be checked by the customer.
<b>COMPONENTS</b>	Module clamps with grounding pins, trapezoidal sheet metal bridge; optional: height adapter, tilt adapter, grounding and lightning protection clamp, optimizer fastening, earthing bridge for potential equalisation between the individual PV modules
<b>MATERIALS</b>	Load-bearing connecting parts and module clamps made from EN AW-6063 T66 aluminum, screws made of stainless steel A2-70, sealing elements made of EPDM.