AEROCOMPACT®



COMPACT**METAL TS**

COMPACTMETAL TS STANDS FOR MAXIMUM SIMPLIFIED PV MOUNTING ON TRAPEZOIDAL SHEET METAL ROOFS. THE SHORT RAILS IN 80 MM OR 150 MM LENGTH ARE SCREWED ONTO THE HIGH BEAD OF THE TRAPEZOIDAL SHEET WITHOUT CUTTING AND WITHOUT PRE-DRILLING. THE CLICK MODULE CLAMPS ARE MOUNTED DIRECTLY ONTO THE SHORT RAIL.

INTELLIGENT
SOLAR
RACKING

- + On steel and aluminum trapezoidal sheets
- + Minimal material and installation effort
- + Adapters for better ventilation
- + Variable due to modular system
- + For high wind and snow loads
- + Suitable for all framed PV modules

COMPACT**METAL TS**

TRAPEZOIDAL SHEET ROOF - SHORT RAIL SYSTEM

The COMPACTMETAL TS08 and TS15 are our trapezoidal sheet short rails with the best price-performance rate. The rails are pre-assembled with sealing tape.

TS08 SHORT RAILS

Direct mounting with module clamps on 80mm short rails minimizes material costs and labor time. Full safety and fast installation at the best price.

TS15 SHORT RAIL

The slightly longer short rail offers more mounting tolerance as well as the possibility to achieve a higher load capacity per fastening by using 3 instead of the usual 2 thin sheet metal screws. This short rail is optimized for use on trapezoidal sheets with low sheet thickness.

TSE15 RAISED SHORT RAILS

The product range is extended by a rail with a height of 80 mm in order to comply with roof clearances, to ensure rear ventilation and to enable the installation of optimizers.The raised short rail can be installed without additional major assembly effort only a bit extension is required. The appropriate bit extension is suggested during project planning in the Aerotool so that it is always available on site.







	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
TS08/TS15	60	26	18,5	-	-
TSE15	60	26	82	-	-
TS08/TS15 – EL05	60	26	52	-	-
TS08/TS15 – EL10	60	26	102	-	-
TS08/TS15 – EL05 – PS	60	26	-	38	34
TS08/TS15 – EL05 – PM	60	26	-	118	34
TS08/TS15 – EL05 – PL	60	26	-	204	34

THE VERSIONS

TS08/TS15

- TS08 trapezoidal sheet short rail, length 80 mm / TS15 trapezoidal sheet short rail, length 150 mm
- + CLE10 end clamp Click 30-46 mm
- + CLM10 middle clamp Click 30–46 mm
- + MSS 6x25 metal sheet screw





TSE15

- + TSE15 trapezoidal sheet short rail, length 150 mm
- + CLE10 end clamp Click 30–46 mm
- + CLM10 middle clamp Click 30-46 mm
- + MSS 6x25 metal sheet screw





TS08/TS15 - EL05/EL10

- + TS08 trapezoidal sheet short rail, length 80 mm/ TS15 trapezoidal sheet short rail, length 150 mm
- + EL05/EL10 height adapter
- + CLE10 end clamp Click 30–46 mm
- + CLM10 middle clamp Click 30-46 mm
- + MSS 6x25 metal sheet screw





TS08/TS15 - EL05 - PS/PM/PL

- TS08 trapezoidal sheet short rail, length 80 mm / TS15 trapezoidal sheet short rail, length 150 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

DESCRIPTION	Short rail mounting system for mounting framed PV modules on metal roofs. The clamping on the long module side allows high wind or snow loads and the use of large-area PV modules.		
AREA OF APPLICATION	On trapezoidal sheet metal roofs with a sheet thickness of at least 0.5 mm (aluminum) or 0.4 mm (steel).		
MODULE DIMENSIONS	Any		
INSTALLATION ANGLE	In the basic version roof-parallel, with tilt adapters additional elevation by approx. 10° (modules mounted upright) or 5° (modules mounted crosswise).		
CLAMPING OPTIONS	Module mounting with clamps on the long side (modules mounted crosswise).		
DISTANCE TO ROOF SURFACE	In basic version 18 mm, with additional height adapters 50 mm or 100 mm.		
DISTANCE FROM THE ROOF EDGE	No minimum distance required.		
MAX. BUILDING HEIGHT	100 m (adaptation to higher buildings on request).		
MAX. ROOF INCLINATION	In the basic version up to a maximum of 75°, when using height or tilt adapters less.		
MAX. FIELD SIZE	Horizontally unlimited, vertically approx. 5.7 m or 5 modules (mounted horizontally)		
MIN. FIELD SIZE	No lower limit.		
WIND LOAD	System adaptable through flexible planning up to the maximum load capacity of the PV module.		
SNOW LOAD	System adaptable through flexible planning up to the maximum load capacity of the PV module.		
DESIGN/PROOF OF STABILITY	Software-supported based on country-specific construction standards.		
ON-SITE REQUIREMENTS	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 condi- tions and the user agreement apply. The module release must also be checked by the customer.		
COMPONENTS	Module clamps with grounding pins, short rail, optional height adapter, tilt adapter, grounding and lightning protection clamp, optimizer attachment.		
MATERIALS	Load-bearing connecting parts and module clamps made of aluminum EN AW-6063 T66, screws made of stainless steel A2-70, sealing elements made of EPDM.		



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