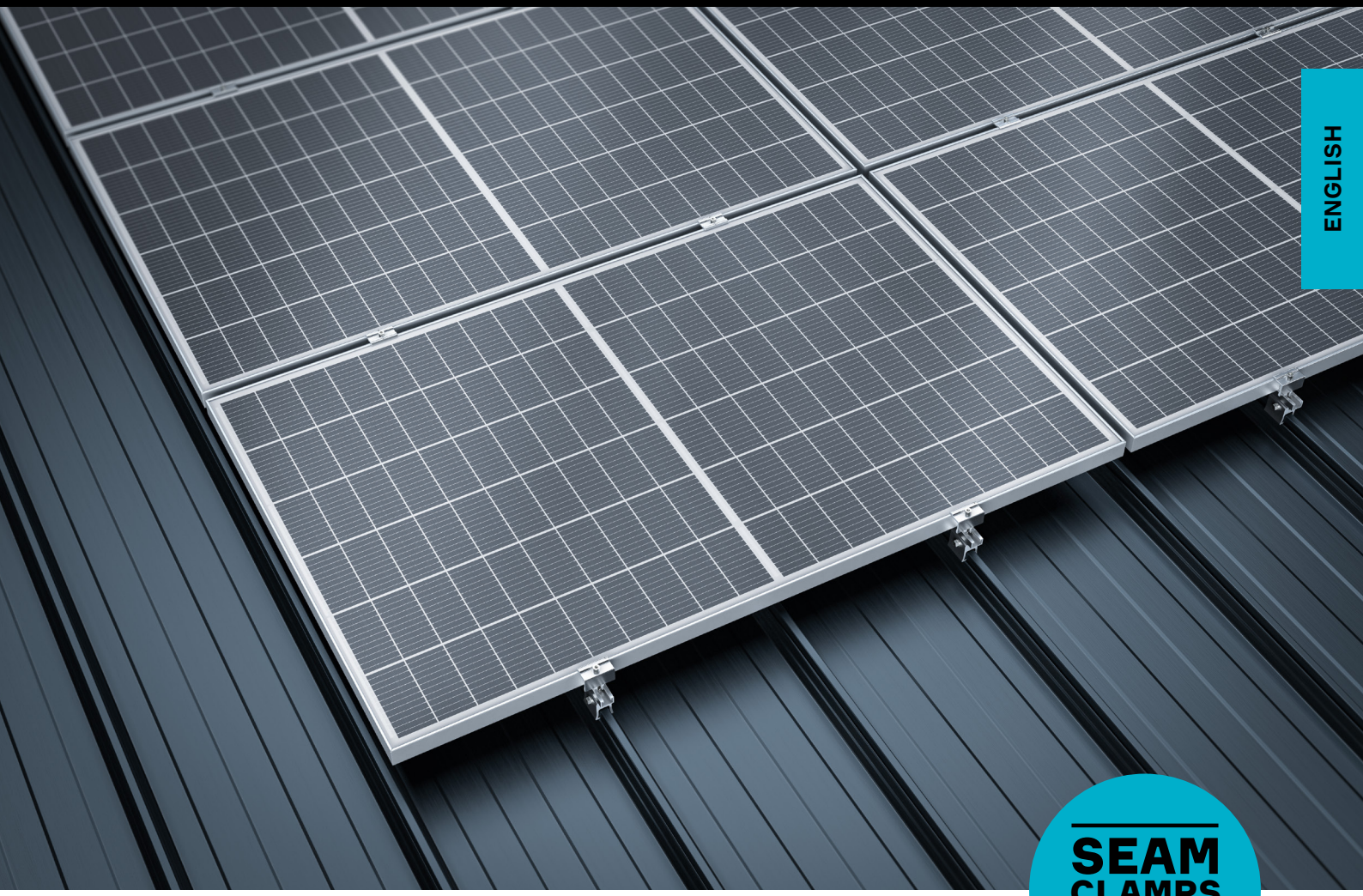
AEROCOMPACT®



ENGLISH

SEAM CLAMPS SERIES

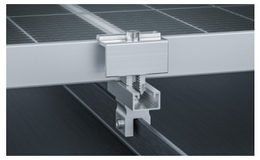
COMPACT**METAL** TM

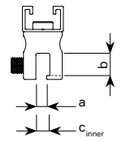
WITH THE STANDING SEAM SERIES COMPACTMETAL TM, THE INSTALLATION OF PV MODULES ON PRACTICALLY ALL SEAM SHEET ROOF TYPES IS POSSIBLE. CLAMPS WITH THE PRE-ASSEMBLED SHORT RAIL ARE DESIGNED FOR DIRECT FASTENING OF PV MODULES. BY OPTIONALLY ATTACHING THE X-MOUNTING RAIL, THE ALIGNMENT OF THE MODULES IS ALSO POSSIBLE IN PORTRAIT MODE.

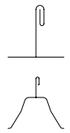
INTELLIGENT SOLAR RACKING

+ Extremely high holding forces
+ Penetration-free assembly
+ For high snow and wind loads
+ Form-fitting connection

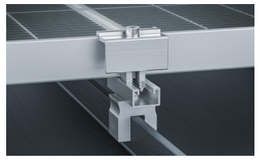
THE SEAM CLAMPS

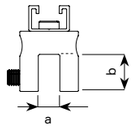




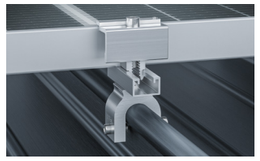


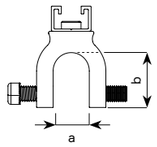
TMDS08 DOUBLE SEAM CLAMP
Penetration-free fastening on the handcrafted double lock standing seam; Optimum form fit due to convex/concave preformed fixing screws.



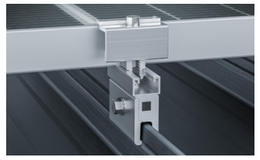


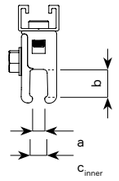
TMM08 ANGLE AND SNAP SEAM CLAMP
Penetration-free fastening on the craftsman angled standing seam and snap seam profiles such as NordicKlickfalz®[1], etc. ; Optimum form fit due to convex/concave preformed fixing screws.



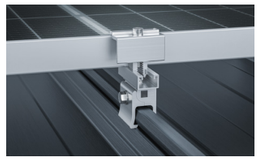


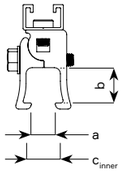
TMR08 ROUND SEAM CLAMP
Penetration-free fastening to round seam roofs like BEMO®[2], Kalzip®[3], Aluform®[4] or RIB-ROOF Evolution®[5]; Optimal form fit thanks to convex/concave preformed fixing screws



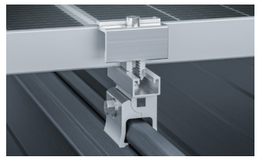


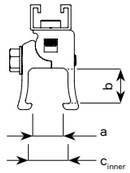
TMRD08 SLIDING FOLD SEAM CLAMP SMALL
Two-piece and form-fitting clamp, especially designed for system sliding fold seam roofs such as RIB-ROOF 465®[5] and GBS®[6].





TMK1508 SLIDING FOLD SEAM CLAMP MEDIUM
Two-piece and form-fitting clamp, especially designed for system sliding fold seam roofs such as Domitec®[6], KLIP-LOK 406®[7], SAFLOK 410®[8], etc.

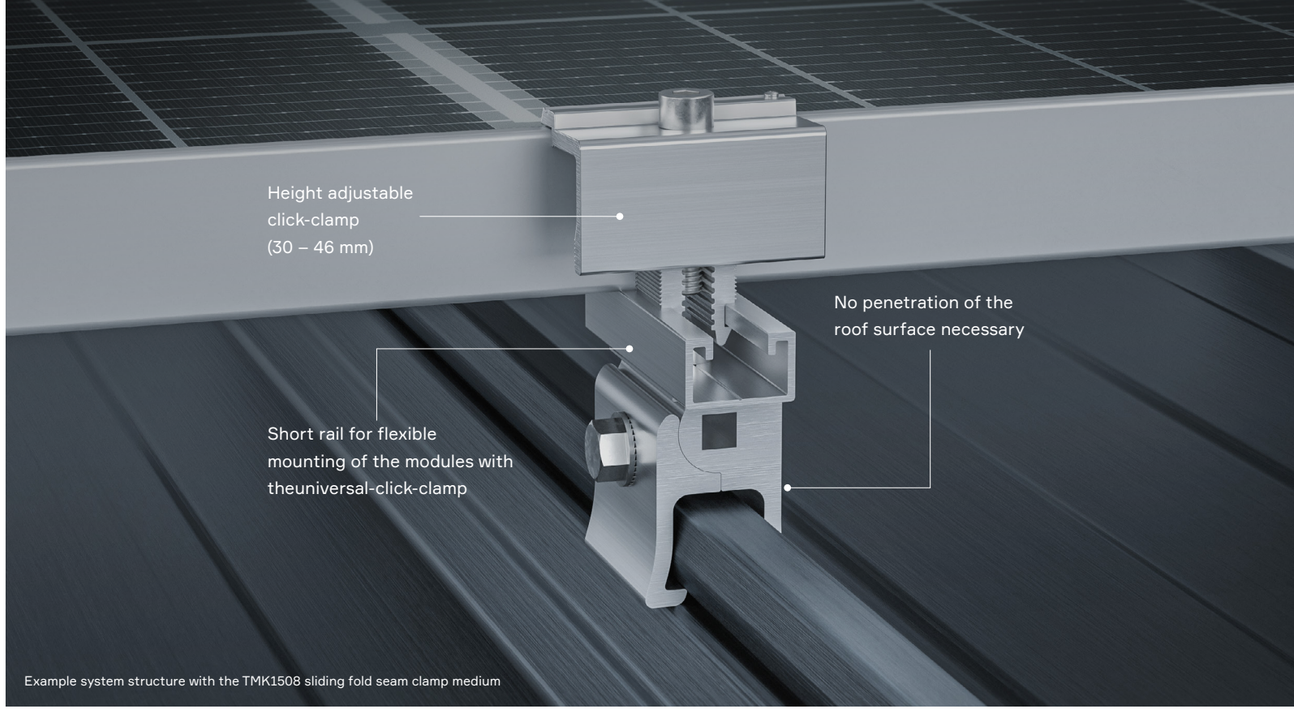




TMK2008 SLIDING FOLD SEAM CLAMP LARGE
Two-piece and form-fitting clamp, especially designed for system sliding fold seam roofs such as KLIP-LOK 980 Optima®[7], KLIP-LOK 700®[7], WeatherClip 655®[9], Weather-Clip 700®[9], etc.

Registered trademarks, by company:

[1] DS Stahl GmbH; [2] BEMO SYSTEMS GmbH; [3] Kalzip GmbH; [4] Aluform System GmbH & Co. KG; [5] Zambelli Holding GmbH; [6] DOMICO Dach-, Wand- und Fassadensysteme KG; [7] BLUESCOPE STEEL LIMITED; [8] Safintra South Africa (Pty) Ltd; [9] DMI Building Products (M) Sdn Bhd.; [10] PREFA Aluminiumprodukte GmbH; [11] RHEINZINK AUSTRIA GMBH; [12] Astron Buildings GmbH



Example system structure with the TMK1508 sliding fold seam clamp medium

	TMDS08			TMM08		TMR08	TMRD08	TMK1508		TMK2008
Max. pressure [kN]	1,5	1,5	2,79	1,5	2,54	2,38	1,5	1,5	1,75	2,36
Max. shear force [kN]	1,94	1,53	1,56	1,94	2,24	2,69	0,8	0,41	0,59	0,43
Max. pull [kN]	0,97	1,33	2,97	0,97	2,54	2,38	1,16	1,29	1,75	2,36
Tested on	Double standing seam roof, 0.7 mm, aluminum	Rheinzink®[11] roof, 0.7 mm, titanium zinc	600LMP®[12] roof, 0.66 mm, galvanised steel	Handcrafted angle seam roof, 0.7 mm, aluminum	Nordic Klick Falz®[1] roof, 0.6 mm, galvanised steel	RIB-ROOF Evolution®[5] roof, 0.8 mm, aluminum	GBS®[6] roof, 0.8 mm, aluminum	Domitec6 roof, 0.5 mm, aluminum	KLIP-LOK 406®[7] roof, 0.5 mm, galvanised steel	KLIP-LOK 980®[7] roof, 0.5 mm, galvanised steel
a [mm]	7			14		24	8	15		20
b [mm]	14,5			24		36	16	23		23
c [mm]	9			-		-	12	22,5		26

25 JAHRE PRODUKT-GARANTIE

1 kWp/ 2,5–5 min.

CE

DSA10 STAINLESS STEEL SADDLE
The stainless steel saddle enables the TM standing seam series to be used on copper roofs. It prevents direct contact between the aluminum of the clamps and the copper of the covering and thus prevents electrochemical corrosion.

PORTRAIT MODE WITH X RAIL
The installation of modules in portrait mode (portrait format) is easily possible using the X40/X50/X60 mounting rail from the COMPACTPITCH modular system. The rail is attached directly to the standing seam clamp with the XPN cross connector provided for this purpose. This variant can be planned in AEROTOOL.

AEROCOMPACT®

TECHNICAL DATA

DESCRIPTION	Mounting of framed PV modules on interlocking roofs, via direct mounting or rails. Seam clamps with pre-mounted short profile, module clamp on short profile, module transverse. Various clamp shapes for a wide variety of seam types and profile shapes. Load transfer to the roof covering, planning and installation independent of the roof structure.
AREA OF APPLICATION	On handmade seam roofs and industrial system seam roofs made of coated steel, aluminum and other materials. Also possible on copper seam roof with stainless steel saddle.
MODULE DIMENSIONS	Length and width optional, frame height 30-46 mm (bigger heights upon request)
INSTALLATION ANGLE	parallel to the roof
ROW SPACINGS	no elevation, no row spacing
DISTANCE TO ROOF SURFACE	Depending on folding clamp type and rail height min. 30 mm to 90 mm (between the top edge of the seam and module frame)
DISTANCE FROM THE ROOF EDGE	no minimum distance, all roof areas allowed
MAX. BUILDING HEIGHT	200 m (Eurocode, also different depending on the country)
MAX. ROOF INCLINATION	70°
MAX. FIELD SIZE	Direct mounting: horizontally unlimited, vertically 3 modules (6 modules with aluminum roofing) With rails: horizontally approx. 5 modules, vertically unlimited
MIN. FIELD SIZE	no lower limit
WIND LOAD	up to 2,4 kN/m² (without roof edge areas)
SNOW LOAD	up to 5,4 kN/m² (depending on the cover)
DESIGN/PROOF OF STABILITY	Software-supported on the basis of building standards and load tests
ON-SITE REQUIREMENTS	Sufficient static load-bearing capacity of the roof structure and the building supporting structure must be ensured. The general terms and conditions of business and guarantee as well as the user agreement apply.
COMPONENTS	Module clamps with earthing pins, mounting rail, cross connector and short profile made of aluminum EN AW-6063 T66, screws made of stainless steel A2-70, clamping piece of the rebate clamp made of aluminum.
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.

PB TM EN V1 02-2025

AEROCOMPACT.COM

AEROCOMPACT® Europe GmbH
Gewerbestrasse 14
6822 Satteins, Österreich
T: +43 5524 22 566
E: office@aerocompact.com