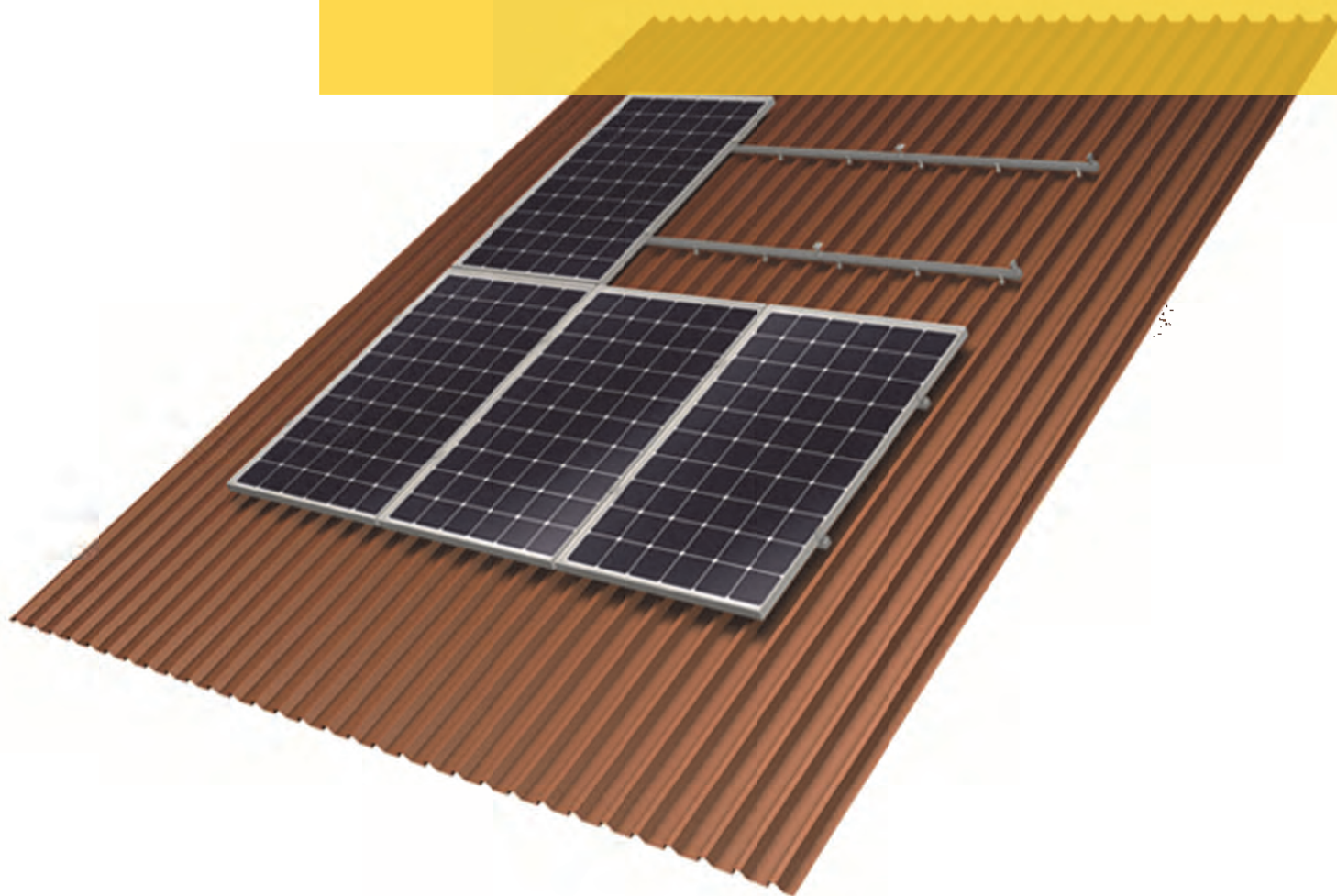




On-roof system Tau

Product catalogue



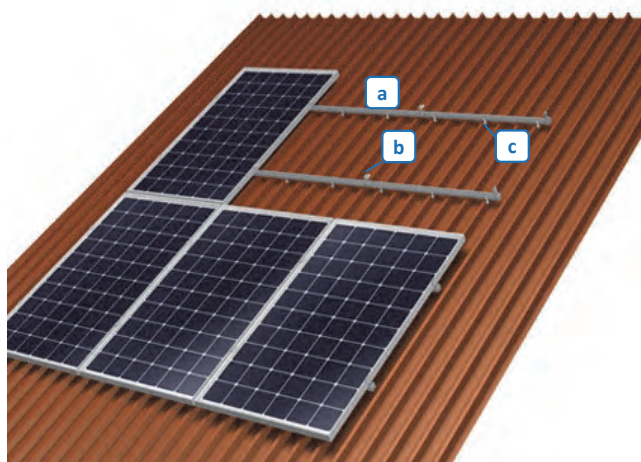
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In general:

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- | For all business transactions, Mounting Systems GmbH's "General terms and conditions" are valid, as well as any items negotiated and confirmed for a specific transaction.
 - | Through the publishing of this catalogue, all former catalogues become invalid.
 - | All information in this document may be subject to alterations.
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Tau



Components

- a.** Base rail
- b.** Module fixation (adapted to frame height)
- c.** Fixation at the bead

Notes

- | Tau is ordered **piece by piece**.
- | Using our **Tau-Calculation Tool**, you can easily verify the static soundness of your system, create a bill of materials and calculate your price.
- | The bead height is flexible. In case of a very low bead height (below 20mm) an alternative holder can be screwed onto the top of the trapezoidal sheet as opposed to the standard holder, which is fixed laterally.
- | For this system, we have put together a wide range of **documentation** for your convenience. We can provide technical data sheets and installation manuals in different languages. Please do not hesitate to ask for them.
- | When requesting quotations, please use our form “**Technical Planning Aid**” (On-roof/Eternit or metal cladding) and mail it to sales@mounting-systems.de.
- | **Delivery time:** Goods issue ex works within 3 days after receipt of written order.

Sample order*:

Art.-No.	Description	Quantity	Unit
Sample order Tau			
800-0724	Tau rail 6000 mm	7	pce
706-0033	Tau splice pre-assembled	4	pce
720-0810	100x side fixing clip pre-assembled	2	sets
720-0520	100x drilling screw JT3-2-6x25-E 16/2 A2	2	sets
720-0809	100x EPDM 40x20x1 mm	2	sets
700-0033	Inter-module clamp frame 46-50 mm	36	pce
702-0070	Module end clamp 46 mm	8	pce
810-0052	Installation manual Tau ENG	1	pce

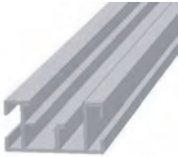
* example:

Module field with 2 rows and 10 columns, Module type Conergy CPP 220, Modules orientation portrait, shed roof, trapezoidal sheet thickness (steel) 0.75 mm, Corrugation spacing 330 mm, height of building 8 m, pitch 10°, ground elevation 80 m, terrain category A, wind zone II and snow zone II, non-exposed site

1. Tau base rail

Description

Tau-rail



h/w = 21.1/42
Aluminium (EN AW 6063 T66)
 $I_x = 1,15 \text{ cm}^4$
0.555 kg/m

Lenght	Single part
Tau rail 6000 mm	800-0724
Tau rail 4150 mm	800-0899
Tau rail 2400 mm	800-0900
Tau rail 400 mm	610-0633

Tau splice pre-assembled Inter-connecting Tau-rails



Aluminium (EN AW 6063 T66)
Incl. pre-assembled small parts (2 stainless steel Allen bolts M8)
l = 160 mm

	Single part
Tau splice pre-assembled	706-0033

Tau splice laminate pre-assembled Inter-connecting Tau-rails



Aluminium (EN AW 6063 T66)
Incl. pre-assembled small parts (2 stainless steel set screws M8)
l = 160 mm

	Single part
Tau splice laminate pre-assembled	706-0034



Please note that the transport costs will rise for rail lengths over 2,4 m.

2. Tau fixing clips

Description

Tau side fixing clip pre-assembled with Alu-Fixband

Fixing the Tau rail laterally to the trapezoidal sheet



Aluminium (EN AW 5754)

	Set 50 Pcs	Set 100 Pcs
Side fixing clip pre-assembled	720-0860	720-0810



Tau top fixing clip

Fixing the Tau rail onto the top of the trapezoidal sheet in case of a very low bead height (below 20mm) to the trapezoidal sheet

| Aluminium (EN AW 6063 T66)

	Set 100 Pcs
Top fixing clip	720-0811



Drilling screw

Fixing the trapezoidal fixations

| With drill bit
| Stainless steel (V2A)
| With gasket

	Set 50 Pcs	Set 100 Pcs
Drilling screw JT3-2-6x25-E 16/2 A2	720-0861	720-0520

3. Tau EPDM

| EPDM

Description

EPDM self-adhesive

To fit on the bead height as base for the Tau rail



| EPDM 40x20x1 mm used with the side fixing clips
| EPDM 80x20x1 mm used with the top fixing clips

	Set 100 Pcs
EPDM 40x20x1 mm	720-0809
EPDM 80x20x1 mm	720-0857

4. Tau Sets of small parts

Description

Anti-slip protection

For all roof types

Anti-slip protection for the lowest row of modules when installing modules in portrait orientation. For each module in that row, 2 bolts and 2 nuts are needed.

All components are made of stainless steel.



| Hex bolt M6x20 mm
| Hex nut M6

	for 10 modules	for 25 modules
Anti-slip protection	720-0030	720-0031

5. Tau Inter-module clamps and module end clamps

Description



Box-End clamp

Fixing the modules to the Tau rails

Incl. small parts (pre-assembled):

- | 1 Module end clamp, Aluminium (EN AW 6063 T66)
- | 1 Stainless steel Allen bolt M8
- | 1 Stainless steel lock washer 8 mm
- | 1 Quickstone, Aluminium (EN AW 6063 T66)

Module end clamps for different frame heights can be produced to order. Please indicate the desired frame height in your order. Black Box-End clamps are available on request.

	Single part	Sets		
		10 Pcs	50 Pcs	100 Pcs
Frame 30 mm	702-0057			
Frame 31 mm	702-0127	720-0692	720-0693	720-0694
Frame 36 mm	702-0062			
Frame 44 mm	702-0069			

Z-End clamp

Fixing the modules to the Tau rails

Incl. small parts (pre-assembled):

- | 1 Module end clamp, Aluminium (EN AW 6063 T66)
- | 1 Stainless steel Allen bolt M8
- | 1 Stainless steel lock washer 8 mm
- | 1 Quickstone, Aluminium (EN AW 6063 T66)



Module end clamps for different frame heights can be produced to order. Please indicate the desired frame height in your order.

	Single part	Sets		
		10 Pcs	50 Pcs	100 Pcs
Frame 33 mm	702-0117	720-0116	720-0146	720-0176
Frame 35 mm	702-0061	720-0118	720-0148	720-0178
Frame 38 mm	702-0128	720-0743	720-0744	720-0745
Frame 40 mm	702-0130	720-0746	720-0747	720-0748
Frame 42 mm	702-0129	720-0749	720-0750	720-0751
Frame 43 mm	702-0068	720-0125	720-0155	720-0185
Frame 45 mm	702-0131	720-0752	720-0753	720-0754
Frame 46 mm	702-0070	720-0127	720-0157	720-0187
Frame 50 mm	702-0072	720-0129	720-0159	720-0189

Z-End clamp

Fixing the modules to the Tau rails



Incl. small parts (pre-assembled):

- | 1 Module end clamp, Aluminium (EN AW 6063 T66)
- | 1 Stainless steel Allen bolt M8
- | 1 Stainless steel lock washer 8 mm
- | 1 Quickstone, Aluminium (EN AW 6063 T66)

Module end clamps for different frame heights can be produced to order. Please indicate the desired frame height in your order. Other black Z-End clamps are available on request.

	Single part	Sets			
		10 Pcs	20 Pce	50 Pce	100 Pce
Frame 35 mm black	702-0107	720-0134	720-0511	720-0163	720-0199
Frame 40 mm black	702-0178				
Frame 42 mm black	702-0150	720-0803		720-0804	720-0805
Frame 45mm black	702-0162	720-0837	720-0838		
Frame 46 mm black	702-0074	720-0271	720-0513	720-0509	
Frame 50 mm black	702-0079	720-0132	720-0514	720-0839	720-0192

Inter-module clamps

Fixing modules to the Tau rails

Incl. small parts (pre-assembled):

- | 1 Inter-module clamp, Aluminium (EN AW 6063 T66)
- | 1 Stainless steel Allen bolt M8
- | 1 Stainless steel lock washer 8 mm
- | 1 Quickstone, Aluminium (EN AW 6063 T66)



Length of bolts, depending on the height of the module frame:

- | Frame 26-30: Allen bolt M8x40 mm
- | Frame 31-35: Allen bolt M8x45 mm
- | Frame 36-40: Allen bolt M8x50 mm
- | Frame 41-45: Allen bolt M8x55 mm
- | Frame 46-50: Allen bolt M8x60 mm
- | Frame 51-55: Allen bolt M8x65 mm

Clamping range Tau	Single part	20 Pcs	Sets 50 Pcs	100 Pcs
Frame 26 - 30 mm	700-0018	720-0070	720-0073	720-0076
Frame 31 - 35 mm	700-0031	720-0256	720-0259	720-0262
Frame 31 - 35 mm black	700-0077	720-0995	720-0996	
Frame 36 - 40 mm	700-0032	720-0257	720-0260	720-0263
Frame 36 - 40 mm black	700-0078	720-0997	720-0998	
Frame 41 - 45 mm	700-0019	720-0071	720-0074	720-0077
Frame 41 – 45 mm black	700-0021	720-0104	720-0105	
Frame 46 - 50 mm	700-0033	720-0258	720-0261	720-0264
Frame46 – 50 mm black	700-0044	720-0999	720-1000	
Frame 51 - 55 mm	700-0020	720-0072	720-0075	720-0078
Frame 51 – 55 mm black	700-0023	720-0079	720-1001	720-0080



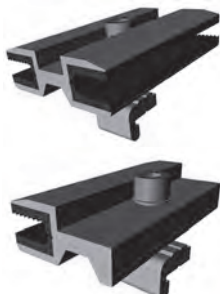
The Inter-module clamps are identical with those used for Alpha and Lambda. However, the possible clamping ranges are reduced for Tau. The Alpha and Lambda clamping ranges are therefore not valid for Tau! Other black module clamps are available on request.

Tau for Laminates

Description

Laminate clamps 80 mm

For the fixation of the laminates to the base rail



| Approved for FirstSolar, Calyxo and Sulfurcell

Incl. small parts (pre-assembled):

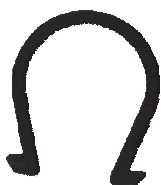
- | 1 Laminate clamp, Aluminium (EN AW 6063 T66)
- | 1 Stainless steel Allen bolt M8
- | 1 Stainless steel lock washer 8 mm
- | 1 Quickstone, Aluminium (EN AW 6063 T66)

	Single part	Set 20 Pcs
Inter laminate clamp 80 mm	700-0037	720-0508
Laminate end clamp 80 mm	702-0101	720-0507

6. Cabel fixing/Grounding components

Omega-Clip

Cabel fixation by clicking the Omega-Clip into the base rail



- | plastic
- | high UV-resistant
- | black

	Single part	100 Pcs
Omega-Clip, 8-14mm, black	807-0134	720-0952

WEEB-CMC

Grounding clip for low-resistance connection between modules and base rails



The installation occurs together with the inter-module clamp, so that the grounding clip sits between the base rail and the module frame.

	20 Pcs
WEEB-CMC grounding clip	720-0848

7. Tau Samples

Product samples Tau

Sample box with different Tau components loosely packed in a carton

	Single part
Loose product samples Tau	720-1061



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