

Product data sheet – Twin system clip

Product description

The **Twin system clip** is suitable for fastening laterally grooved decking made of dimensionally stable timber types or WPC to EVO/EVO-Slim* system profiles or the HKP deck-support system.

The Twin aluminium system clip is inserted between two wooden boards before being secured within the board groove using a stainless steel clamping plate. The clamping plate is attached to the aluminium substructure using a drilling screw between the joints. The spacer domes ensure uniform joint spacing from board to board.



Advantages

- Indirect/hidden fastening solution
- Individual boards can be adjusted and replaced at any time
- Compatible with Eurotec's EVO/EVO Slim aluminium system profiles and the HKP deck-support system
- Uniform joint spacing
- Supports constructive timber protection
- Weather-resistant

Instructions for use

The Twin system clip may only be used for dimensionally stable decking. Dimensionally stable decking includes the following timber types, treatment methods and composite materials:

- Larche
- Douglas fir
- Wood-Polymer composites (WPC)
- Thermo-treated timber from coniferous and hard wood
- Modified timber

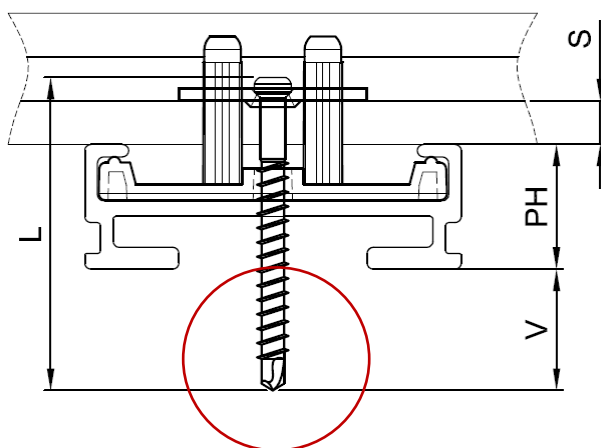
For timber with high bulk density and/or high swelling and shrinkage and only moderate resilience (dimensional stability), the use of the Twin system clip is not recommended. This applies in particular to the timber types Cumarú, Ipé, Massaranduba and Robinia.

The screw may only be tightened with a maximum torque of 3.9 Nm.

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When selecting the timber, special attention must also be paid to good standard sorting, (including the separation of spiral grain planks and so-called "flat-sawn planks") as well as good conditioning (adjustment of the compensation moisture) of the decking boards. If necessary, the suitability of the timber type should be determined by the manufacturer/timber supplier.

* If the Twin system clip is to be used in combination with the EVO Slim, a shorter screw must be ordered. If the supplied screw with $\varnothing 5 \times 50$ mm for this purpose is used, there is a risk that parts underneath the EVO Slim, e.g. roof sealing, could be damaged.



In general, for all screws and all tolerances the following formula can be used for estimating the length of the protruding screw portion "V" above the EVO and EVO Slim profiles:

$$\text{Screw length } L \text{ [mm]} - 3,75 - \text{groove thickness } S \text{ [mm]} - \text{profile height } PH \text{ [mm]} = V \text{ [mm]}$$

If $V \geq 0$, the screw protrudes above the profile!

If $V < 0$, the screw is within the profile!

Screw length L [mm]:

50 mm

35 mm

30 mm

Profile height PH [mm]:

EVO PH = 40 mm


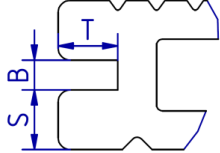
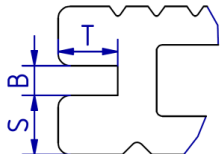
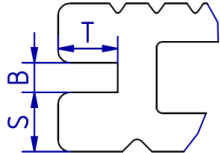
EVO Slim = 20 mm

Terrace bearing profile HKP not relevant

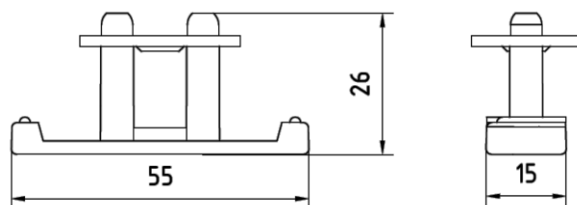
We recommend adding at least 3 mm to the overlap "V" and inserting it with a suitable EPDM or cork pad, if the profile is placed on top of sealing.

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Article table

Twin system clip 		Material <ul style="list-style-type: none"> • Twin system clip: Plastic, Polypropylene Copolymer (PP-C), black • clamping plate: A2 stainless steel 1.4301, black • screw: Hardened stainless steel, 1.4006, black
Art. no.: 945959	Includes drilling screw \varnothing 5 x 50 mm and Bit	PU: 200 pieces
<ul style="list-style-type: none"> • Groove depth, D: \geq 7,5 mm • Groove width, W: \geq 2,0 mm • Groove wall thickness, T: \geq 2,0 – 12,5 mm 		
Supplementary drilling screws for system clips at lower groove thickness		
Art. no.: 111872	drilling screw \varnothing 5 x 35 mm and Bit	PU: 100 pieces
<ul style="list-style-type: none"> • Groove depth, D: \geq 7,5 mm • Groove width, W: \geq 2,0 mm • Groove wall thickness, T: \geq 2,0 – 12,5 mm 		
Art. no.: 111872	drilling screw \varnothing 5 x 30 mm and Bit	PU: 100 pieces
<ul style="list-style-type: none"> • Groove depth, D: \geq 7,5 mm • Groove width, W: \geq 2,0 mm • Groove wall thickness, T: \geq 6,0 – 7,0 mm 		

Drawing



If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (Technik@eurotec.team).