

COMMERCIAL DOCUMENTATION



SANDWICH PANEL ANCHOR SYSTEM | TVA PANEL TIE - CLIP ON HAIRPIN

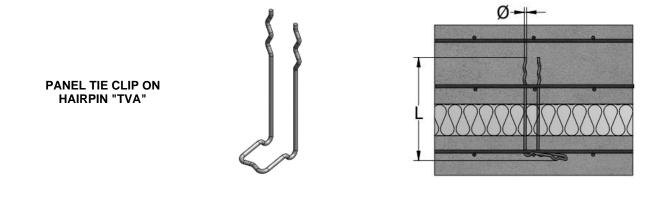




PANEL TIE -CLIP ON HAIRPIN "TVA"

The clip-on TVA hairpin is made of stainless steel AISI 316 wire (W1.4401 – A4 quality) available in diameters 3.0 mm, 4.0 mm and 5.0 mm in a "U" shape. The closed end is bent at a 90° angle.

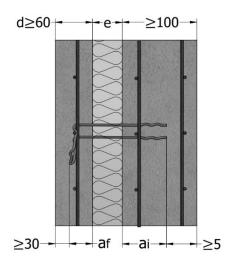
The clip-on TVA hairpin is mainly used in the positive production method for sandwich panels. These hairpins have to be installed in a node of the reinforcement mesh before the concrete is poured. This type of installation ensures a minimum embedment depth.



The available panel ties TVA are presented in Table 42 below:

Wire diameter Ø mm	Clip on hairpin TVA	Product no.	Length L mm
3	3.0 -120	43397	120
	3.0 -140	43398	140
	3.0 -160	43399	160
	3.0 -180	65963	180
	3.0 -190	43400	190
4	4.0 -160	43401	160
	4.0 -200	43402	200
	4.0 -230	43575	230
	4.0 -250	43403	250
	4.0 -280	43404	280
5	5.0 -200	43405	200
	5.0 -240	64245	240
	5.0 -250	43406	250
	5.0 -260	64246	260
	5.0 -280	43407	280
	5.0 -300	64247	300
	5.0 -320	43408	320
	5.0 -360	64372	360
	5.0 -375	64411	375

Table	42
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Note:

 $a_f \geq$ 30 mm, $a_i \geq$ 55 mm. $a_f \geq$ 35 mm for $d_{min} \geq$ 70 mm

Concrete quality:

Façade layer \geq C30/37 Load bearing layer \geq C30/37.

Reinforcement:

Reinforcing mesh B500B Rebar reinforcement B500B

Minimum reinforcement for the façade layer: Square reinforcement mesh 1.3 cm²/m



CONTACT



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