



For cut roof tiles in the hip and valley.

Video



## Fixation and storm safety of covering materials for roofs and facades

We can offer you the most versatile clip range for fixing small format covering materials and professional wind uplift safety for roofs and facades in Europe. All FOS products are made available through specialist dealers and industrial partners.

Our quick and easy-to-use roofing tools on [www.fos.de](http://www.fos.de) will assist you with the topic of storm protection.

### FOS ClipCHECK

With just a few clicks in our new product finder you can determine the perfect clip for your object.

### FOS CombiCHECK

The reverse search provides a list of cover materials you can use with the clips you already have in stock.

Friedrich Ossenberg-Schule GmbH + Co KG  
Amerikastraße 2  
58675 Hemer  
GERMANY

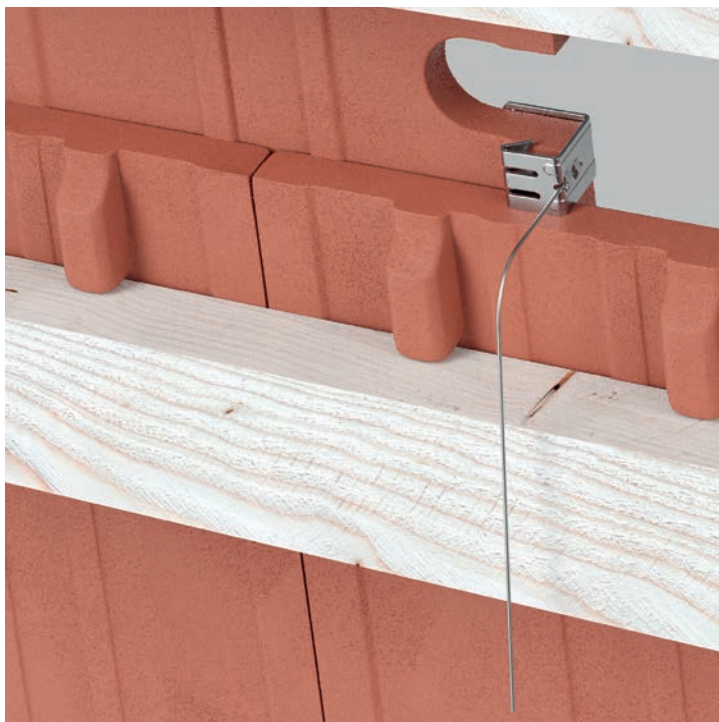
Tel. +49 (0) 2372. 558 99. 0  
Fax +49 (0) 2372. 558 99. 99 90  
[info@fos.de](mailto:info@fos.de)  
[www.fos.de](http://www.fos.de)



## Hip and valley clips 512 and 513



## “Replacement lug” for beaver tail tiles



Further the 513 can be used as a replacement lug. The 513 is hammered-in on the side so that the tile has a hold on the batten or sub-construction.



### Enquiries:

#### What clamping range is available?

The hip and valley clips come in various sizes so we can guarantee a problem-free mounting even on thicker tiles. We can offer three clamping ranges:

- 10-13 mm (for 80% roof and beaver tail style tiles)
- 13-17 mm (for beaver tail style tiles)
- ~17-21 mm (for beaver tail style tiles)

For tiles thinner than 10 mm an installation trial is recommended. The suitable clips can be quickly ascertained with the FOS ClipCHECK on [www.fos.de](http://www.fos.de) by giving the field of application, the type of mounting, the roof tile and the battens.



### Conclusion:

Benefits of the hip and valley clips 512 and 513:

- ✓ Multifunctionality
- ✓ Versatile field of application
- ✓ Shorter installation time
- ✓ Small quantity packets
- ✓ Various sizes

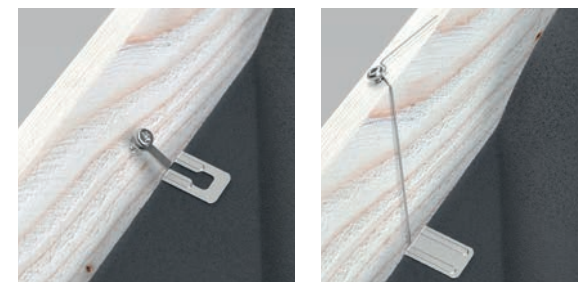
## Hip and valley clips 512 and 513

#### Field of application

The 512 and 513 are a safe and universal solution for fixing cut roof tiles in the hip and valley and other roof edges and junctions. The hip and valley clips fix beaver tail as well as roof tiles and prevents tiles slipping off. With beaver tail style tiles the 513 can also function as a replacement lug.

#### Clip shape and installation

Three semi-flexible claws sit 100% tightly and securely even on irregular surfaces or the manufacturer's embossed print. The hip and valley clips are available with an integrated self-drilling screw (SPAX) for the hip (512) and with tie-wire for hip and valley (513). They are easy to fit and can be quickly secured to the batten. Drilling into the tiles becomes obsolete and shorter installation time is guaranteed.



#### FOS quality

Non-corrosive 304 stainless steel guarantees a high durability. The 512 and 513 hip and valley clips have been patented worldwide.

#### Packaging quantities

Small packaging quantities are especially handy for maintenance work.

