



„Innovationen im Holzbau“

**GH - Angle bracket Type HS**

ETA-13/0900



**Properties**

Steel grade S 250 GD / DX 51 D / 1.4571  
 Surface Z 275 / Stainless steel

For angle bracket basic principles, see download document

**Fasteners**

**Fixing in concrete, masonry, steel, ...**

Concrete screw, stud anchor, chemical anchor, screws and bolts to DIN 601 / ISO 4016

**Fixing in timber with fasteners to ETA-13/0523**

GH connector nails (threaded nails) 4.0 x 35 / 40 / 50 / 60 / 75 / 100 mm

GH screw 5.0 x 25 / 35 / 40 / 50 / 60 / 70 mm

The joint can also be made with an interlayer (e.g. OSB).

**Nail pattern**

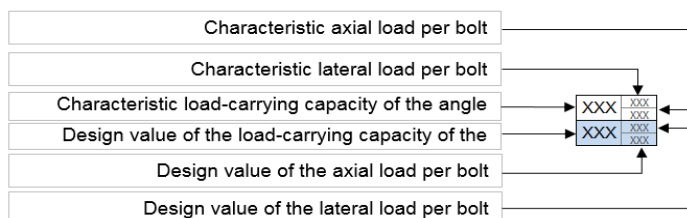
Full nailing / partial nailing, see technical drawing or ETA

**Calculation of the design value of the load-carrying capacities to ETA-13/0900**

The tables contain characteristic load-carrying capacities (resistances) and design values of the load-carrying capacity (resistance) "short-term" in kN

b = Purlin / joist width  
 e = Distance of the load application point from the bottom of the angle bracket

Key for design tables:



**Remarks:**

Timber strength class 350 kg/m<sup>3</sup> char. density.

**The fastener minimum edge distances to EC 5 shall be satisfied.**

All calculations and values are exclusively for GH products and their fasteners.

The load-bearing capacities were determined on the basis of ETA 13/0523. It is not possible to transfer the values to third party makes.

**Disclaimer:**

Despite careful calculations and checking, no liability is accepted for the technical data.

Subject to change without notice

For technical drawing, see website [www.holzverbinder.de](http://www.holzverbinder.de)





