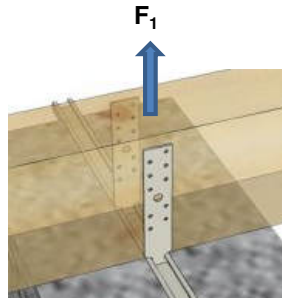




GH - channel ties

EN 14545:2008



Properties

Steel grade S 250 GD
Surface Z 275

For angle bracket basic principles, see download document

Fasteners

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 resistance table

Calculation of the design values of the load-carrying capacities to EN 1995-1-1 8.1.4

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

In each case, half of the nails are to be arranged in one row of holes.

A joint should always consist of two channel ties attached on both sides.

Otherwise the eccentricity of the joint must be taken into consideration.

The effects of the notches in the channel tie on the load-carrying capacity is not taken into consideration in the table value of the steel resistance

The resistance of the joint perpendicular to the grain must be determined to EN 1995-1-1 8.1.4.

The load-carrying capacity of the joint at the anchor rail must be determined separately.

Remarks:

Timber strength class 350 kg/m³ 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

