CH - Angle bracket Type HB / HSB / Flat steel anchor including washer


Properties

| Steel grade | S 250 GD / DX 51 D |
| :--- | :--- |
| Surface | Z 275 |

Fasteners
Fixing on the floor in concrete, masonry, steel, timber
Concrete screw, stud anchor, chemical anchor, screws and bolts to DIN 601 / ISO 4016

## Wall fixing in timber with connectors to ETA-13/0523

GH connector nails (threaded nails) $4.0 \times 40 / 50 / 60 / 75 / 100 \mathrm{~mm}$
GH screw $5.0 \times 35 / 40 / 50 / 60 / 70 \mathrm{~mm}$
The wall/column joint can also be made with an interlayer (e.g. OSB) according to ETA-10/0010.

## Nail pattern

Minimum number of nails/screws, see load-capacity table, "min. Nail/screw".column

## Calculation of the design value of the load-carrying capacities to ETA-10/0010

| $\mathrm{n}_{1}$ | $=$ | Structurally useful number of holes, timber (vertical flange) |
| :--- | :--- | :--- |
| $\mathrm{n}_{2}$ | $=$ | Number of holes, concrete |
| LDC | $=$ | Load duration class to EN 1995-1-1 |
| $\mathrm{n}_{\text {nail/screw }}$ | $=$ | Minimum number of nails $\varnothing 4 \mathrm{~mm}$ or screws $\varnothing 5$ mm in the vertical flange |
| $\mathrm{F}_{\mathrm{z}, \mathrm{Rk}}$ | $=$ | Characteristic value of the load-carrying capacity in the load direction $\mathrm{F}_{\mathrm{z}}$ |
| $\mathrm{F}_{\mathrm{z}, \mathrm{Rd}}$ | $=$ | Design value of load-carrying capacity in load direction $\mathrm{F}_{\mathrm{z}}$ |
| $\mathrm{k}_{\mathrm{t}}$ | $=$ | Factor for calculating the tensile force in the anchor bolt/concrete dowel: $\mathrm{F}_{\mathrm{B}, \mathrm{Ed}}=\mathrm{k}_{\mathrm{t}} \cdot \mathrm{F}_{\mathrm{z}, \mathrm{Ed}}$ |

Remarks:
The load-bearing capacities only apply to the given minimum number of fasteners $\min \mathrm{n}_{\text {nail/screw }}$.
The table values apply to a char. density of timber of at least $350 \mathrm{~kg} / \mathrm{m}^{3}$.
The fastener minimum edge distances to EC5 shall be satisfied. Minimum distance of the fastener from the end-grain end a3, t: 60 mm for nails $\varnothing 4 \mathrm{~mm}$ and 75 mm for screws $\varnothing 5 \mathrm{~mm}$.

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

| Telefon | Volksbank |
| :---: | :---: |
| *49 (7023) 743323-0 | Kirchheim-Nürtingen e6 |
| Telefax | (8L2 61290120) |
| *49 (7023) 743323-29 | Konto-Nr. 368382001 |

## Angle bracket Type HB / HSB / Flat steel anchor including washer



555

6H-Baubeschllgge GmbH

