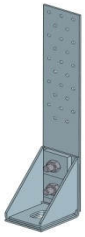
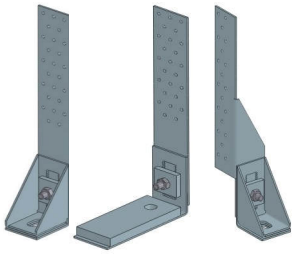
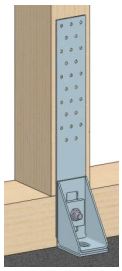
GH - HT 2 - tension tie, 2-piece

ETA-10/0010




Properties

Steel grade	S 355
Surface	Fe Zn 12c

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 x 40 / 50 / 60 / 75 / 100 mm
GH screw	5.0 x 35 / 40 / 50 / 60 / 70 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

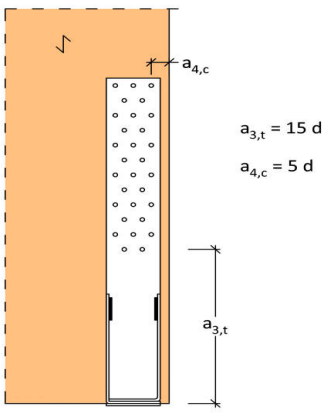
n_1	=	Number of holes, timber
n_2	=	Number of holes, concrete
LDC	=	Load duration class to EN 1995-1-1
$n_{nail/screw}$	=	Minimum number of nails ∅ 4 mm or screws ∅ 5 mm
$F_{z,Rk}$	=	Characteristic value of the load-carrying capacity in the load direction F_z
$F_{z,Rd}$	=	Design value of load-carrying capacity in load direction F_z
k_t	=	Factor for calculating the tensile force in the anchor bolt/concrete dowel: $F_{B,Ed} = k_t \cdot F_{z,Ed}$

Remarks:
The load-bearing capacities only apply to the given minimum number of fasteners min $n_{nail/screw}$.
The table values apply to a char. density of timber of at least 350 kg/m³.
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 ∅ 4 mm and 75 mm for screws ∅ 5 mm.

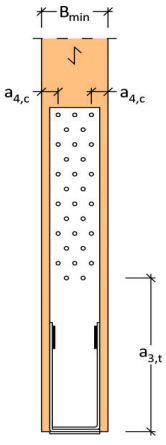
All calculations and values are exclusively for GH products and their fasteners.
The load-bearing capacities were determined on the basis of ETA 13/0523. It is not possible to transfer the values to third party makes.

Disclaimer:
Despite careful calculations and checking, no liability is accepted for the technical data. Subject to change without notice

Anschluss CLT Wandelement



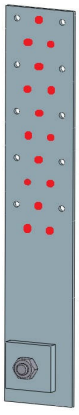
Stützenanschluss (VH, BSH)



Bmin = 80 mm für Nägel Ø 4 mm
Bmin = 90 mm für Schrauben Ø 5 mm

a3,t = 15 d
a4,c = 5 d

Example for possible nail pattern



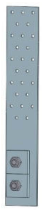
ETA-13/0523

HT 2 - tension tie, 2-piece

CE 0769

11090340
HT2 straight fishplate G M10 340x60x3.0mm
1

11090344
HT2 straight fishplate G 2xM10 340x60x3.0mm
2

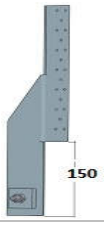


11090340L
HT2 straight fishplate lhs. M10 340x60/60x3.0mm
3

11090340R
HT2 Straight fishplate rhs. M10 340x60/60x3.0mm
4

11090350L
HT2 straight fishplate lhs. M10 425x60/60x3.0mm
5

11090350R
HT2 Straight fishplate rhs. M10 425x60/60x3.0mm
6



Resistances of base angle connector version:

GH-HT2 base angle connector with web, height adjustable

Art.No.		Dimensions [mm] H x L x B x T	n_2 Ø 17x30	LDC	4x40 | 5x40 min. $n_{Nä/screw}$	4x40 | 5x40 F_z [kN]	4x50 | 5x50 min. $n_{Nä/screw}$	4x50 | 5x50 F_z [kN]	4x60 | 5x60 min. $n_{Nä/screw}$	4x60 | 5x60 F_z [kN]	k_t
11090341		103 x 76 x 60 x 3,0	1	short-term	14	17,1	12	17,1	11	17,1	1,0
		possible straight fishplate No.: 1, 3, 4, 5, 6		instantaneous	11		10		9		
		Height adjustment 33mm Tightening torque nut M10 max: 18 Nm		charact.	12	21,4	11	21,4	10	21,4	

GH-HT2 base angle connector with web

Art.No.		Dimensions [mm] H x L x B x T	n_2 Ø 17x30	LDC	4x40 | 5x40 min. $n_{Nä/screw}$	4x40 | 5x40 F_z [kN]	4x50 | 5x50 min. $n_{Nä/screw}$	4x50 | 5x50 F_z [kN]	4x60 | 5x60 min. $n_{Nä/screw}$	4x60 | 5x60 F_z [kN]	k_t
11090342		103 x 76 x 60 x 3,0	1	short-term	19	24,0	17	24,0	16	24,0	1,0
		possible straight fishplate No.: 2		instantaneous	16		14		13		
		Tightening torque nut M10 max: 18 Nm		charact.	16	30,0	15	30,0	14	30,0	

GH-HT2 base angle connector incl. washer, height-adjustable

Art.No.		Dimensions [mm] H x L x B x T	n_2 Ø 17	LDC	4x40 | 5x40 min. $n_{Nä/screw}$	4x40 | 5x40 F_z [kN]	4x50 | 5x50 min. $n_{Nä/screw}$	4x50 | 5x50 F_z [kN]	4x60 | 5x60 min. $n_{Nä/screw}$	4x60 | 5x60 F_z [kN]	k_t
11090343		103 x 144 x 60 x 3,0	1	short-term	14	17,1	12	17,1	11	17,1	1,4
		possible straight fishplate No.: 1, 3, 4, 5, 6		instantaneous	11		10		9		
		Height adjustment 33mm Tightening torque nut M10 max: 18 Nm		charact.	11	19,4	10	19,4	9	19,4	

GH-Baubeschläge GmbH
Austraße 34
73235 Weilheim/Teck
info@holzverbinder.de

Telefon
+49 (7023) 743323-0
Telefax
+49 (7023) 743323-29

Volksbank
Kirchheim-Nürtingen eG
(BLZ 612901 20)
Konto-Nr. 368382001

Steuernummer 2869/068/54792
IBAN DE 25612901200368382001
USt.-IdNr. DE811307662
BIC GENODES1NUE

Erfüllungsort und Gerichtsstand
für beide Teile ist Kirchheim/Teck
Geschäftsführer Dirk Weiss
Amtsgericht Stuttgart HRB Nr. 722555