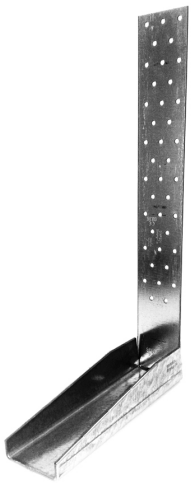
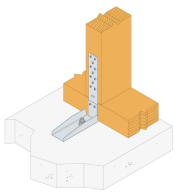
Technical Sheet

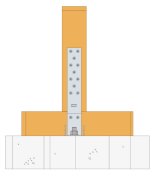
HD2P

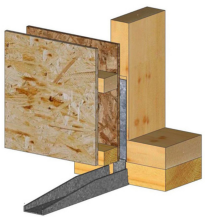
Double tension tie HD2P

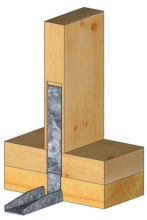
The two-part tension anchors have a large number of possible combinations. A total of 46 variants of combinations. As you can see we look at the individual needs of each problem and find a suitable optimal solution.
In the lower part are adapted for different sizes of loads and the required distances between the holes for the screws.
For example, at the tie rod HDBU379 suitable offset in relation to the prefabricated wall elements with a mounting plane, the distance of the screw hole to about 60 mm inward ..

















Features

Material

Steel quality:

S 250 GD + Z 275 according to DIN EN

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **Setting up the base on site, does not interfere with traffic protruding metal parts and reduce the risk of injury.**

Applications

Applicatons

Concrete, steel, wood, wood products.

Scope

- **Two-part tension anchors have a large number of possible combinations. A total of 46 variants of combinations.**
- **As you can see, we look at the individual needs of each problem and find a suitable optimal solution.**

Products with the HDU, HDB must be connected to the basics specified number of e-Jot screws JT2-3 / 5,5x25.

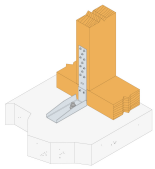
HD2P60G The product consists of a top part and a bottom part HDUF400G HDBU220G,

Technical Sheet

HD2P

Double tension tie HD2P

Technical Data



Product Dimensions

Reference	Connector Dimensions												
	Other			Product Dimensions[mm]						Joist	Flange B		Holes
	Tun / DB nr.	NOB nr.	Weight[kg]	A[mm]	B[mm]	C[mm]	d[mm]	E[mm]	t[mm]	Round	Round		Diameter[mm]
										Ø5[mm]	Ø6[mm]	Qty	
HDUF250G	TUN160	NOB432	0.15	250	-	40	-	-	2	11	-	-	-
HDUF400G	TUN161	NOB433	0.35	400	-	60	-	-	2	40	-	-	-
HDUS336G	TUN168	NOB438	0.8	336	236	60	44	-	2	12	-	-	-
HDUS348-80G	-	-	-	348	248	80	79	-	2	32	-	-	-
HDUL380G	TUN164	NOB434	0.44	380	53	55	65	315	2	20	-	-	-
HDUR380G	TUN166	NOB436	0.44	380	53	55	65	315	2	20	-	-	-
HDUF40XG	TUN162	-	-	≥250 **	-	40	-	-	2	>11	-	-	-
HDUF60XG	TUN163	-	-	≥250 **	-	60	-	-	2	>20	-	-	-
HDBU163G	TUN04	NOB426	0.55	65	163	40	-	50	3	-	2	1.0	13
HDBU220G	TUN05	NOB427	0.9	65	220	54	-	55	4	-	5	1.0	18
HDBU379-84-16G	-	-	-	65	379	74	-	55	4	-	6	1.0	17.5
HD2P60G	1433697	42163299	1.5	400/65*	220	60/54*	-	55	2/4	40	-	1.0	17.5

The products starting with HDU .. are the upper parts, starting with HDB .. are the lower parts and are to be connected with the stated number of self drilling screws JT2-3/5,5x25 or H-3-5.5x25.

The article HD2P60G is composed of the upper part HDUF400G and the lower part HDBU220G,

The article HD2PL40G is composed of the upper part HDUF250G and the lower part HDBU379G.
The article HD2P-U379S80 is composed of the upper part HDUS348-90G and the lower part HDBU379-84-16G

* Dimensions for upper part / Lower part

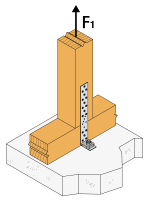
The lower parts HDBU ... are to be used together with washers US40/50/10G, the lower parts HDBU220G and HBDU379G are used with washer US50/50/8G and the lower part HDUS348-80G is used with US71-91-15G-C

The washers and the self drilling screws are to be ordered separately.

** Length on customer request

Technical Sheet

HD2P
Double tension tie HD2P



Capacities

Reference	Holdowns capacity Product capacities - formulas Characteristic capacities - Timber C24 $R_{1,k}$	
	full nailing	partial nailing
HDUF250G	min. (9 x Rlat.k; 17.8/kmod)	min. (n x Rlat.k; 17.8/kmod)
HDUF400G	min. (29.3 x Rlat.k; 26.7/kmod)	min. (n x Rlat.k; 26.7/kmod)
HDUS336G	21.3 *	-
HDUS348-80G	min. (32 x 0.691 x Rlat.k ; 42.0/kmod)**	min. (n x 0.691 x Rlat.k ; 42.0/kmod)**
HDUL380G	min. (11.7 x Rlat.k; 21.4 x Rax.k)	min. (8.1 x Rlat.k; 21.4 x Rax.k)
HDUR380G	min. (11.7 x Rlat.k; 21.4 x Rax.k)	min. (8.1 x Rlat.k; 21.4 x Rax.k)
HDUF40XG	min. (n x Rlat.k; 17.8/kmod)	min. (n x Rlat.k; 17.8/kmod)
HDUF60XG	min. (n x Rlat.k; 26.7/kmod)	min. (n x Rlat.k; 26.7/kmod)

n = nef according to EC5, Table 8.1;
$R_{lat.k}$ = characteristic capacity of the CNA nail on shearing
$R_{ax.k}$ = characteristic capacity of the CNA nail for pulling out
* with CNA4.0x50
** n = total number of nails. Fill nail holes symetrically starting from top and bottom rows
The small value of upper and lower part is decisive.
The anchor bolt must be detected for a tensile force of $F_{1.d}$ x factor bolts.

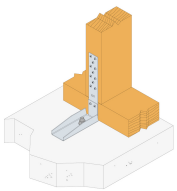
Combinations

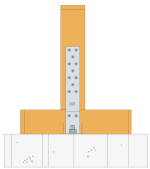
Reference	Holdowns capacity Vertical parts									
	HDUF250G	HDUF400G	HDUS336G	HDUS348-80G	HDUL380G	HDUR380G	HDUL465G	HDUR465G	HDUF40XG	HDUF60XG
HDBU163G	y	y	y	-	y	y	y	y	S	-
HDBU220G	-	HD2P60G	-	-	y	y	y	y	-	S
HDBU379-84-16G	-	-	-	HD2P-U379S80	-	-	-	-	-	-

Installation

Fasteners

CNA4,0xℓ are attached nails or screws CSA5,0xℓ.





Copyright by Simpson Strong-Tie®