

# Embedded Truss Anchors

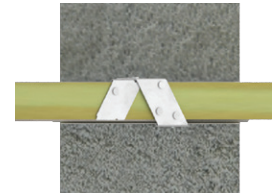
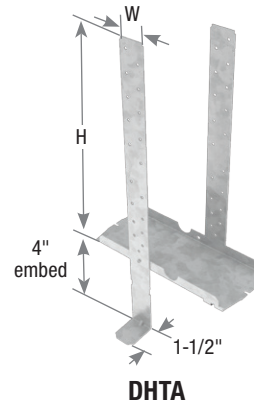
## DHTA series

The DHTA embedded truss anchor series offer high uplift capacity with a two-strap design. The straps are attached to USP's NOP style plate which ensures proper placement of straps while also providing a moisture barrier between the top of the wall and the truss.

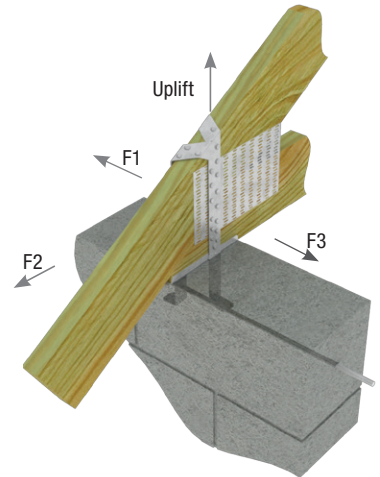
**Materials:** DHTA-18 – 18 gauge; DHTA – 16 gauge  
**Finish:** G90 galvanizing  
**Codes:** FL17680

**Installation:**

- Use all specified fasteners.
- Embed 4" into concrete tie beam or masonry bond beam.
- Designer may specify alternative nailing schedules.
- When using alternative nailing schedules, lower-most holes in strap shall be filled progressing upward towards the top of the strap.
- Straps may be installed straight or wrapped over to achieve table loads.
- Moisture barrier plate may be under bent during shipping causing attached straps to be misaligned. Install straps vertically at 90° from the horizontal top surface of the wall.



**DHTA 1-Ply plan view**  
(DHTA 2-Ply application similar)



**Typical DHTA 1-Ply installation**

USP Stock No.	Ref. No.	Steel Gauge	Dimension (in)		Fastener Schedule		No. of Plies	SP Allowable Loads (Lbs.) <sup>1,2,3,4</sup>					Ctn Qty
			W	H <sup>8</sup> (Out of Concrete)	Per Anchor			Uplift 160%		Lateral Loads <sup>5</sup>			
					Min Qty. <sup>6</sup>	Type <sup>9</sup>		Masonry	Concrete	F1 160%	F2 160%	F3 160%	
DHTA16-18	--	18	1-1/4	12	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1085	1140	1085	20
DHTA16-18-2	--	18	1-1/4	12	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1085	1140	1085	10
DHTA20-18	--	18	1-1/4	16	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1085	1140	1085	20
DHTA20-18-2	--	18	1-1/4	16	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1085	1140	1085	10
DHTA24-18	--	18	1-1/4	20	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1085	1140	1085	20
DHTA24-18-2	--	18	1-1/4	20	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1085	1140	1085	10
DHTA12	--	16	1-1/4	8	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	20
DHTA12-2	--	16	1-1/4	8	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	10
DHTA16	--	16	1-1/4	12	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	20
DHTA16-2	--	16	1-1/4	12	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	10
DHTA20	DETAL20	16	1-1/4	16	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	20
DHTA20-2	--	16	1-1/4	16	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	10
DHTA24	--	16	1-1/4	20	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	20
DHTA24-2	--	16	1-1/4	20	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430 2770	1215	1310	1215	10
DHTA48	--	16	1-1/4	43	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430	955	940	955	10
DHTA48-2	--	16	1-1/4	43	8	10d x 1-1/2	1 Ply 2 Ply	2430	2430	955	940	955	10

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
 2) Allowable loads are based on anchorage to masonry/uncracked concrete.  
 3) DF lumber may be substituted for SP with no load reduction.  
 4) Minimum specified masonry or concrete compressive strength, f'm is 1,500 psi and f'c is 2,500 psi at 28 days respectively.  
 5) The five nail holes nearest the embedment line must be filled to achieve the lateral loads listed in the table.  
 6) Minimum quantity of fasteners to be installed. Product may have additional nail holes not needed to meet published allowable load of product.  
 7) Install (8) nails into each anchor for the DHTA installation.  
 8) Height (H) is the distance the anchor extends out of concrete or masonry.  
 9) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long.