

HTA – Offers a higher capacity alternative to the TA model with two rows of nails.

TA – Anchors are rated for both uplift and lateral loads. They can be installed straight or field-bent around truss or rafter members. An embossed embedment line assures accurate embedment depth.

TAR – Riveted anchors provide a moisture barrier in addition to uplift and lateral resistance all in one product.

Materials: HTA-18 – 18 gauge; HTA – 16 gauge; TA & TAR – 14 gauge

Finish: G90 galvanizing

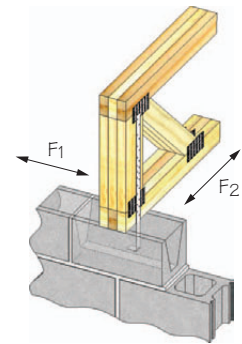
Options: HTA20 and HTA24 are available in Triple Zinc. To order, add *TZ* to stock number, as in **HTA20-TZ**.

Codes: NER 608, 2031C, FL859

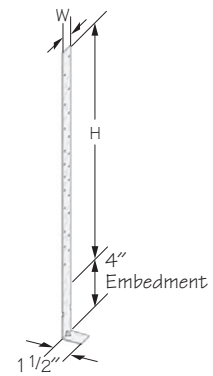
Installation:

- Use all specified fasteners. See Product Notes, page 11.
- Embed 4" into concrete tie beam or masonry bond beam.
- **For double anchor installations:** anchors should be installed on opposite sides of wood member and centered in masonry bond beam.
- Designer may specify alternative nailing schedules. Refer to Nail Specification table on page 15 for nail shear values, load values shall not exceed published allowable loads.
- When using alternative nailing schedules, lower-most holes in strap shall be filled progressing upward towards the top of the strap.

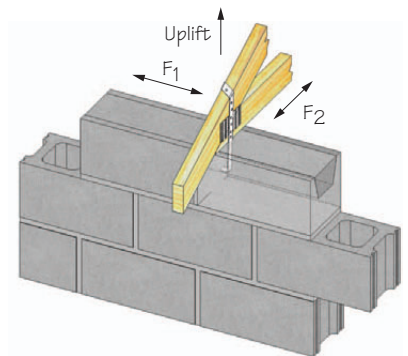
• **Moisture barrier may be required for HTA installations.**



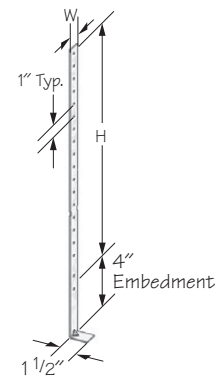
Typical HTA24-18 installation



HTA24-18



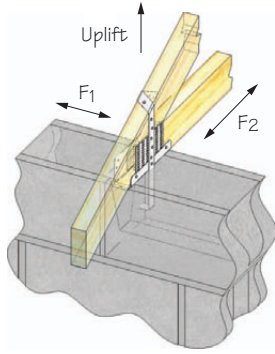
Typical TA18 installation



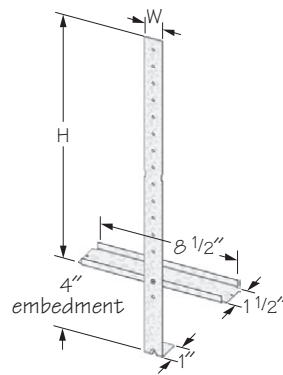
TA24

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Truss & Rafter



Typical TA16R installation



TA20R

USP Stock No.	Ref. No.	W	Out of Concrete H	Single Anchor						Double Anchor						Code Ref.		
				Fastener Schedule ^{3,5}		Allowable Loads (Lbs.) ^{1,6}				Fastener Schedule ^{3,5}		Allowable Loads (Lbs.) ^{1,6}						
				Per Anchor		Uplift		Lateral Loads		Per Anchor		Uplift		Lateral Loads				
				Min Qty. ⁷	Type	DF-L / SP	S-P-F	F1	F2	Min Qty. ⁷	Type	DF-L / SP		S-P-F			F1	F2
						1 Ply	1 Ply	160%	160%			160%	160%	1 Ply	2 Ply or >		1 Ply	2 Ply or >
HTA16-18	META12, META14, META16	1-1/4	12	10	10d x 1-1/2	1400	1400	395	325	10	10d x 1-1/2	2800	2800	2800	2800	790	650	L1, F17
HTA20-18	META18, META20	1-1/4	16	10	10d x 1-1/2	1400	1400	395	325	10	10d x 1-1/2	2800	2800	2800	2800	790	650	
HTA24-18	META22, META24	1-1/4	20	10	10d x 1-1/2	1400	1400	395	325	10	10d x 1-1/2	2800	2800	2800	2800	790	650	
HTA12	HETA12	1-1/4	8	8	10d x 1-1/2	1600	1265	590	660	8	10d x 1-1/2	3200	3200	2530	2530	1180	1320	L8
HTA16	HETA16	1-1/4	12	10	10d x 1-1/2	1615	1585	590	660	10	10d x 1-1/2	3230	3230	3170	3170	1180	1320	
HTA20	HETA20	1-1/4	16	10	10d x 1-1/2	1615	1585	590	660	10	10d x 1-1/2	3230	3230	3170	3170	1180	1320	
HTA24	HETA24	1-1/4	20	10	10d x 1-1/2	1615	1585	590	660	10	10d x 1-1/2	3230	3230	3170	3170	1180	1320	
HTA48	HETA40, META40	1-1/4	42-1/2	10	10d x 1-1/2	1615	1585	590	660	10	10d x 1-1/2	3230	3230	3170	3170	1180	1320	130
TA12	--	1	6-3/4	5	10d x 1-1/2	990	790	245	335	5	10d x 1-1/2	1980	1980	1580	1580	490	670	L1, F17
TA14	--	1	8-3/4	7	10d x 1-1/2	1205	1110	245	335	7	10d x 1-1/2	2410	2410	2220	2220	490	670	
TA14R	META12/TSS2, META14/TSS2	1	8-3/4	7	10d x 1-1/2	1205	1110	245	335	7	10d x 1-1/2	2410	2410	2220	2220	490	670	
TA16	--	1	10-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA16R	HETA16/TSS2, META16/TSS2	1	10-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA18	--	1	12-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA18R	META18/TSS2	1	12-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA20	--	1	14-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA20R	HETA20/TSS2, META20/TSS2	1	14-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA22	--	1	16-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA22R	META22/TSS2	1	16-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA24	--	1	18-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA24R	HETA24/TSS2, META24/TSS2	1	18-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	
TA36	--	1	30-3/4	8	10d x 1-1/2	1205	1205	245	335	8	10d x 1-1/2	2410	2410	2410	2410	490	670	130

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) Anchors are installed on opposite sides of the wood member, centered in masonry bond beam.
 3) Minimum nail penetration shall be 1-1/2" for 10d nails.
 4) Grout or concrete compressive strength shall be 2500 psi or greater at 28 days.
 5) 10d x 1-1/2 nails are 9 gauge (0.148" diameter) by 1-1/2" long.
 6) "R" after TA models indicates riveted truss anchors as in TA12R.
 7) Allowable loads require a No. 4 rebar through the shear cones of the anchors.
 8) Minimum quantity of fasteners to be installed. Product may have additional nail holes not needed to meet published allowable load of product.