

S/PAHD & S/HPAHD Strap Tie Holdowns

A variety of steel-to-concrete connectors that satisfy engineering and code requirements. Allowable loads include a tested three-times safety factor in concrete with a one-piece design and no separate anchors required.

MATERIAL: S/HPAHD—118mil (10 ga) x 2¹/₁₆"; S/PAHD—97 mil (12 ga) x 2¹/₁₆".

FINISH: Galvanized; see Corrosion Information, page 12–13.

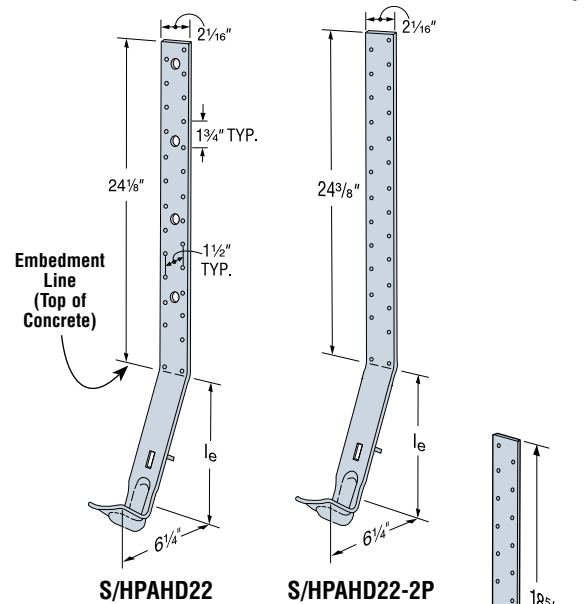
INSTALLATION: • Use all specified fasteners.

- Unless otherwise noted, do NOT install where:
 - (a) a horizontal cold joint exists within the embedment depth between the slab and foundation wall or footing beneath, unless provisions are made to transfer the load, or the slab is designed to resist the load imposed by the anchor; or
 - (b) slabs are poured over concrete block foundation walls.
- To get the full table load, the minimum center-to-center spacing is twice the embedment depth when resisting tension loads at the same time.
- **FOUNDATION CORNERS:** Screw quantities have been reduced when the load is limited by tested concrete pullout strength. Additional screw holes need not be filled.

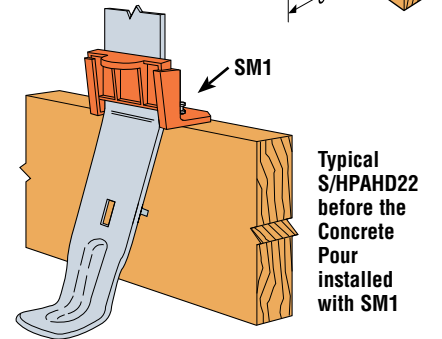
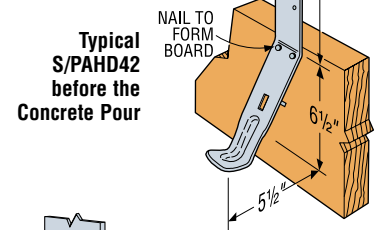
FEATURES: Designed to be installed at the edge of concrete. Tests determined the pullout strength with one horizontal #4 rebar in the shear cone. Install before concrete pour with a StrapMate®, or other holding device. Pre-bent to control the embedment at the required angle; field-bending is not necessary. Installation holes allow nailing to the form, resulting in 1" deeper embedment; see illustration.

OPTIONS: See also S/HD Holdowns, S/LTT and S/HTT Tension Ties.

CODE: See page 8 for Code Listing Key Chart.



Model No.	Minimum Stemwall Width	Embed. Depth l _e	Screws	Allowable Loads (100)	Model No.	Minimum Stemwall Width	Embed. Depth l _e	Screws	Allowable Loads (100)	Code Ref.	
Edge Installation – 2500 psi Concrete					Corner Installation – 2500 psi Concrete						
Single Pour – see installation 1 (8" min from corner)					Single Pour – see installation 2 (1/2" min from corner)						
S/PAHD42	6	6 1/2"	10- #10	1765	S/PAHD42	6	6 1/2"	4- #10	1225	28, 151	
	8		13- #10	2300		8		5- #10	1400		
S/HPAHD22	6	10"	14- #10	3335	S/HPAHD22	6	10"	7- #10	1750		
	8		22- #10	4595		8		9- #10	2120		
Double Pour – see installation 3 (8" min from corner)					Double Pour – see installation 4 (1/2" min from corner)						
S/PAHD42	6	6 1/2"	10- #10	1765	S/PAHD42	6	6 1/2"	4- #10	1225		
	8		13- #10	2300		8		5- #10	1400		
S/HPAHD22	6	10"	14- #10	3335	S/HPAHD22	6	10"	7- #10	1750		
	8		22- #10	4595		8		9- #10	2120		
S/HPAHD22-2P	6	14 7/16"	14- #10	4595	HPAHD22-2P	6	14 7/16"	7- #10	1730		
	8		22- #10	4595		8		9- #10	2120		



1. S/HPAHD22 may be embedded 4" into the slab and 6" into the 8" stemwall beneath for a maximum load of 2810 lbs. at 8" minimum from the closest corner, and 1400 lbs. at 1/2" from the closest corner. See Installation 4.
2. Tabulated loads are governed by tests and may not be increased. Refer to page 12 for additional information.
3. Calculate the loads using straight line interpolation for corner distances between 1/2" and 8".
4. Loads are based on attachment of CFS double stud members having a minimum thickness of 33 mil (20 ga).
5. Not all fastener holes need to be filled as additional fastener holes provided. Install fasteners symmetrically.
6. Strap may be bent one full cycle. (Bent horizontal 90° then bent vertical.)

