

TECHNICAL BULLETIN

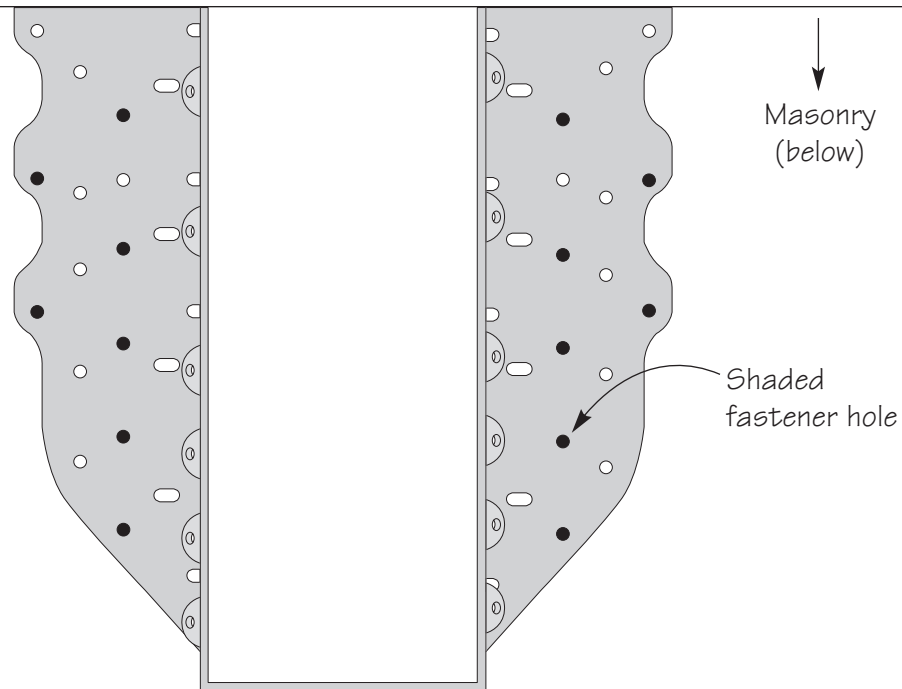
THDH410 Masonry Application

Masonry Installation Option for THDH410 Heavy-Duty Truss Hanger

USP's THDH410 Heavy-Duty Truss Hanger can be used to connect 4x10 or 4x12 plated wood trusses, rafters, or joists to masonry wall structures. Allowable loads are based upon the proper use of fasteners installed per manufacturer's specifications:

- Masonry screw shall be 3/16" diameter.
- Minimum masonry screw embedment shall be 1 3/4".
- Install masonry screws **only** in **shaded fastener holes** as indicated on illustration to achieve listed loads.
- Hanger applications are designed to meet minimum edge distance requirements when installed flush to the top of the concrete masonry unit.

Masonry Edge Line



USP Stock No.	Ref. No.	Description	Steel Gauge	Fastener Schedule ²		Allowable Loads (Lbs.) ^{1,3}			
				Joist Nails ^{4,5}	Masonry Screws	100%	125%	Uplift	
								133%	160%
THDH410	HGUS410	4 x 10-12 Heavy-Duty Truss Hanger	12	(12) 16d	(14) 3/16	2785	2785	2235	2690

1) Allowable loads assume use of Powers® Fasteners 3/16" Tapper™ minimum embedment of 1-3/4".
 2) Fasteners to be installed per manufacturer's specifications.
 3) Allowable loads assume specified holes to be filled.
 4) Minimum nail embedment shall be 1-15/16" for 16d nails.
 5) Joist nails shall not be installed in "double shear" configuration as is normally required for this hanger.