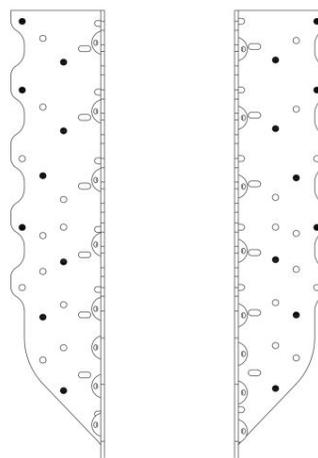




# THDH414 Heavy-Duty Truss Hanger Masonry Application

The THDH414 Heavy-Duty Truss Hanger can be used to connect 4x14 or 4x16 plated wood trusses, rafters, or joists to masonry wall structures. Allowable loads are based on proper use of fasteners installed per manufacturer’s specifications.

- Masonry screw shall be 3/16” diameter Powers® Fasteners Tapper+ or equivalent
- Minimum masonry screw embedment shall be 1-1/4”
- Install masonry screws only in shaded fastener holes as indicated on illustration to achieve listed loads in the table below
- To prevent contact with masonry, drive the joist nails perpendicular into the carried joist



THDH414

Joist Size	MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule <sup>2</sup>				DF/SP Allowable Load (Lbs.) <sup>1,3</sup>		
			W	H	D	Masonry		Joist/Beam		Download 100%	Uplift <sup>5</sup> 160%	Field Uplift <sup>6</sup> 160%
						Qty	Tapper+® HWH Screw Anchor	Qty	Type <sup>4</sup>			
4 x 14-16	THDH414	12	3-5/8	13-1/16	4	18	3/16"	16	16d	2520	1960	2520

1) Allowable loads assume the use of Powers® Tapper+® HWH 3/16" with minimum embedment of 1-1/4".  
 2) Fasteners to be installed per manufacturer’s recommendations.  
 3) Allowable loads are based on specified holes being filled.  
 4) 16d nails are 0.162" dia. x 3-1/2" long.  
 5) Allowable uplift when the uppermost masonry fasteners have an edge distance less than 2" from the top of the masonry wall.  
 6) Allowable uplift when the uppermost masonry fasteners have an edge distance greater than 2" from the top of the masonry wall.

## Customer Service & Technical Assistance

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