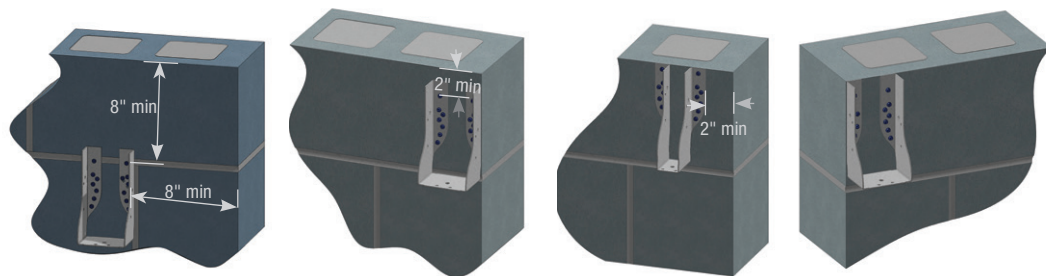




# HD Face Mount Hangers Attached to Concrete and CMU Walls

The HD series Face Mount Hangers can be used to connect framing members, including but not limited to roof trusses, floor joists and EWP members to concrete masonry unit (CMU) and concrete walls. Allowable loads are based on extensive testing and rely on proper use of Powers® fasteners installed per manufacturer's specification.



Field installation

Top installation  
(flush to top only)

Edge installation  
(flush to edge only)

Corner installation  
(flush to edge and top)

- Masonry screws shall be Powers® Tapper+® HWH 3/16" x 1-3/4".
- Minimum 6" wide grout-filled concrete masonry units with a minimum compressive strength of 1,500 psi (10.3 MPa).
- Minimum 6" wide concrete wall with a minimum compressive strength of 2,500 psi (17.3 MPa).

MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule <sup>3</sup>				DF/SP Allowable Load (Lbs.) <sup>1,2,5,6,7,8</sup>							
		W	H	D	Masonry		Joist/Beam		Download (100%)				Uplift (160%)			
					Qty	Tapper+® HWH Screw Anchor	Qty	Type <sup>4</sup>	Field	Edge	Top	Corner	Field	Edge	Top	Corner
HD26	14	1-9/16	3-1/2	2-1/2	4	3/16" x 1-3/4"	4	10d x 1-1/2	1000	495	670	335	145	70	145	45
HD28	14	1-9/16	5-1/4	2-1/2	8	3/16" x 1-3/4"	6	10d x 1-1/2	2000	990	1340	665	595	295	595	195
HD210	14	1-9/16	7-3/16	2-1/2	14	3/16" x 1-3/4"	6	10d x 1-1/2	3110	1545	2085	1035	595	295	595	195
HD212	14	1-9/16	9-13/16	2-1/2	20	3/16" x 1-3/4"	10	10d x 1-1/2	3640	1805	2440	1210	595	295	595	195
HD26-2	14	3-1/8	5-1/4	2-1/2	12	3/16" x 1-3/4"	6	10d	3000	1490	2015	1000	1170	580	850	380
HD28-2	14	3-1/8	7-1/8	2-1/2	14	3/16" x 1-3/4"	6	10d	3500	1735	2350	1165	1170	580	850	380
HD210-2	14	3-1/8	9	2-1/2	20	3/16" x 1-3/4"	10	10d	5000	2480	3355	1665	1950	645	850	420
HD212-2	14	3-1/8	11	2-1/2	24	3/16" x 1-3/4"	12	10d	5750	2850	3860	1915	2340	645	850	420
HD44	14	3-9/16	3-5/16	2-1/2	4	3/16" x 1-3/4"	2	10d	1000	495	670	335	145	70	145	45
HD46	14	3-9/16	5-1/16	2-1/2	12	3/16" x 1-3/4"	6	10d	3000	1490	2015	1000	1170	580	850	380
HD48	14	3-9/16	6-15/16	2-1/2	14	3/16" x 1-3/4"	6	10d	3500	1735	2350	1165	1170	580	850	380
HD410	14	3-9/16	8-13/16	2-1/2	20	3/16" x 1-3/4"	10	10d	5000	2480	3355	1665	1950	645	850	420
HD412	14	3-9/16	10-13/16	2-1/2	24	3/16" x 1-3/4"	12	10d	5750	2850	3860	1915	2340	645	850	420
HD26-3	14	4-5/8	4-1/2	2-1/2	12	3/16" x 1-3/4"	6	10d	3000	1490	2015	1000	1170	580	850	380
HD28-3	14	4-5/8	6-3/8	2-1/2	14	3/16" x 1-3/4"	6	10d	3500	1735	2350	1165	1170	580	850	380
HD210-3	14	4-5/8	8-1/4	2-1/2	20	3/16" x 1-3/4"	10	10d	5000	2480	3355	1665	1950	645	850	420
HD212-3	14	4-5/8	10-1/4	2-1/2	24	3/16" x 1-3/4"	12	10d	5750	2850	3860	1915	2340	645	850	420
HD5210	14	5-3/8	7-7/8	2-1/2	20	3/16" x 1-3/4"	10	10d	5000	2480	3355	1665	2305	645	850	420
HD5212	14	5-3/8	9-7/8	2-1/2	24	3/16" x 1-3/4"	12	10d	5750	2850	3860	1915	2765	645	850	420
HD66	14	5-1/2	4-1/16	2-1/2	12	3/16" x 1-3/4"	6	10d	2350	1165	1575	780	1380	645	850	420
HD68	14	5-1/2	5-15/16	2-1/2	14	3/16" x 1-3/4"	6	10d	3500	1735	2350	1165	1380	645	850	420
HD610	14	5-1/2	7-13/16	2-1/2	20	3/16" x 1-3/4"	10	10d	5000	2480	3355	1665	2305	645	850	420
HD612	14	5-1/2	9-13/16	2-1/2	24	3/16" x 1-3/4"	12	10d	5750	2850	3860	1915	2765	645	850	420

- 1) Allowable loads assume the use of Powers® Tapper+® HWH 3/16" x 1-3/4".
- 2) Allowable loads assume wood members have a minimum specific gravity of 0.50 or greater.
- 3) Fasteners to be installed per manufacturer's recommendations.
- 4) 10d x 1-1/2" nails are 0.148" dia. x 1-1/2 long, 10d nails are 0.148 dia. x 3" long.
- 5) Field installation indicates that the uppermost and out-ermost fasteners are a minimum of 8" from the top and side of the masonry wall.
- 6) Edge installation indicates that the hanger is installed flush with the edge of the masonry wall.
- 7) Top installation indicates that the hanger is installed with the hanger flush with the top of the wall.
- 8) Corner installation indicates that the hanger is installed in the corner of the masonry wall flush to the edge, and the top fastener is less than 2" from the top.

Option	Skewed <sup>1,3</sup>	Sloped Seat <sup>2,3</sup>	Sloped / Skewed <sup>1,2,3</sup>	Inverted Flange <sup>5</sup>
Range	1° to 67-1/2° when width is 1-3/4" or less. 1° to 50° on all others.	1° to 45°	See Sloped Seat and Skewed	2-1/4" widths or greater (Widths < 2-1/4" may be available as a Custom, contact MiTek)
Allowable Loads	100% of table load. 75% of uplift load on skews greater than 15°.	100% of table load	80% of table load. 75% of uplift load on skews greater than 15°.	100% of table load.
Ordering	Add <i>SK</i> , angle required, right ( <i>R</i> ) or left ( <i>L</i> ), and square cut ( <i>SQ</i> ) or bevel cut ( <i>BI</i> ) to product number. Example: HD410_SK45R_SQ	Add <i>SL</i> , slope required, and up ( <i>U</i> ) or down ( <i>D</i> ), to product number. Example: HD410_SL30D	See Sloped Seat and Skewed Example: HD410_SK45R_SQ_SL30D	Add <i>IF</i> , to product number. Example: HD410_IF

- 1) Skewed hangers with skews greater than 15° may have all joist nailing on outside flange.
- 2) Sloped or sloped / skewed hangers with slopes greater than 15° may have additional joist nails.
- 3) For skewed hangers, the required cut type (square or bevel) of joist member may vary based on skew angle and width of hanger. Some square cut hangers will require custom pricing due to welded back plate.
- 4) HD option hangers may be manufactured as welded products to achieve listed loads. Welded products have a primer interior finish.
- 5) Inverted flange hangers cannot be skewed when installed with masonry anchors.

## Customer Service & Technical Assistance

Phone: 1-800-328-5934 • Fax: 1-952-898-8605 • Email: customerservice@mii.com