

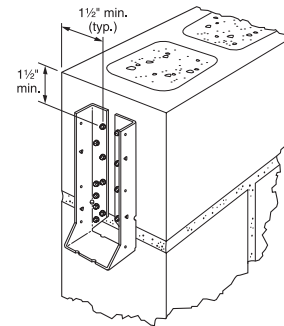
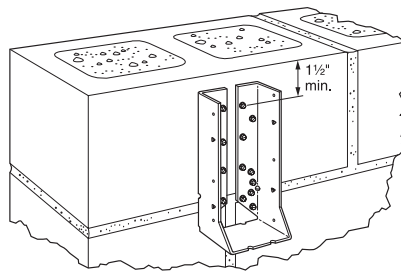
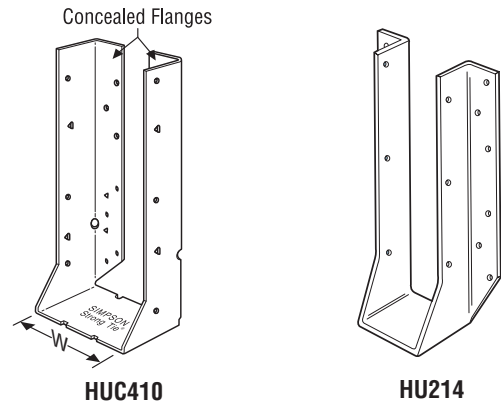
**HU/HUC HANGERS — MASONRY/CONCRETE WALL APPLICATION**

**HU** and **HUC** products are heavy-duty face mount joist hangers made from 14 gauge galvanized steel.

- The HUC is a concealed flange (face flanges turned in) version of the HU.
- HU is available with both flanges concealed, provided the W dimension is 2 3/16" or greater, at 100% of the table load.
- HU is available with one flange concealed when the W dimension is less than 2 3/16" at 100% of the table load. Specify as an 'X' version and specify flange to conceal.
- For allowable loads on HU products not listed in the table below, see page 2.

**Installation:**

- Attach the hangers to concrete or CMU walls using hex head Titen® screws. Titen screws for CMU (1/4" x 2 3/4" - Model TTN25234H) and for concrete (1 1/4" x 1 3/4" - Model TTN25134H) are not provided with the hangers.
- Drill the 3/16" diameter hole to the specified embedment depth plus 1/2".
- Alternatively, drill the 3/16" diameter hole to the specified embedment depth and blow it clean using compressed air.
- **Caution:** Oversized holes in the base material will reduce or eliminate the mechanical interlock of the threads with the base material and will reduce the anchor's load capacity.
- Titen Installation Tool Kits are available. They include a 3/16" drill bit and hex head driver bit (Model TTNT01-RC); a 3/16" x 4 1/2" drill bit is also available (Model MDB18412).
- A minimum end and edge distance of 1 1/2" is required.
- Stainless-steel HU hangers and Titen screws available. Use load values in tables for stainless-steel applications.



**HUC410 Installed on Masonry Block Sidewall**

**HUC410 Installed on Masonry Block End Wall**

Model No.		Fasteners			Allowable Loads (DF/SP)	
Standard	Concealed	CMU	Concrete	Joist	Uplift	Down <sup>1</sup>
					(160)	(100/125)
HU26	HU26X4,5	4 - Titen 1/4 x 2 3/4	4 - Titen 1/4 x 1 3/4	2-10d x 1 1/2	290	1545
HU28	HU28X4,5	6 - Titen 1/4 x 2 3/4	6 - Titen 1/4 x 1 3/4	4-10d x 1 1/2	575	2400
HU210	HU210X4,5	8 - Titen 1/4 x 2 3/4	8 - Titen 1/4 x 1 3/4	4-10d x 1 1/2	575	2400
HU46	HUC46	12 - Titen 1/4 x 2 3/4	12 - Titen 1/4 x 1 3/4	6-10d	1085	3950
HU26-2	HUC26-2	12 - Titen 1/4 x 2 3/4	12 - Titen 1/4 x 1 3/4	6-10d	1085	3950
HU48	HUC48	14 - Titen 1/4 x 2 3/4	14 - Titen 1/4 x 1 3/4	6-10d	1085	4350
HU28-2	HUC28-2	14 - Titen 1/4 x 2 3/4	14 - Titen 1/4 x 1 3/4	6-10d	1085	4350
HU410	HUC410	18 - Titen 1/4 x 2 3/4	18 - Titen 1/4 x 1 3/4	10-10d	1810	5085
HU210-2	HUC210-2	18 - Titen 1/4 x 2 3/4	18 - Titen 1/4 x 1 3/4	10-10d	1810	5085
HU28X5 Skew 45°	(Not available)	6 - Titen 1/4 x 2 3/4	12 - Titen 1/4 x 1 3/4	4-10d x 1 1/2	575	2535
HSUL/R26-2	HSUL/RC26-2	12 - Titen 1/4 x 2 3/4	6 - Titen 1/4 x 1 3/4	4-16d x 2 1/2	815	2625 <sup>6</sup>

1. Table allowable loads were determined using test ultimate/3 or nail calculation values.  
 2. Uplift loads have been increased 60% for earthquake or wind duration. No further increase is allowed.  
 3. Minimum f'c = 2500 psi and minimum f'm. = 1500 psi.

4. Specify right or left concealed flange.  
 5. Models with "X" are not stock items.  
 6. Loads for the HSUL/R shall be 0.8 the table loads for concrete applications.



**HU/HUC HANGERS — MASONRY/CONCRETE WALL APPLICATION**

Model No.		Fasteners			Allowable Loads (DF/SP)	
Standard	Concealed	CMU	Concrete	Joist	Uplift (160)	Down (100/125)
HU24-2	HUC24-2	4 - Titen 1/4x2 3/4	4 - Titen 1/4x1 3/4	2 - 10d	360	1545
HU212	(Not available)	10 - Titen 1/4x2 3/4	10 - Titen 1/4x1 3/4	6 - 10dx1-1/2	865	2645
HU214	(Not available)	12 - Titen 1/4x2 3/4	12 - Titen 1/4x1 3/4	6 - 10dx1-1/2	865	2645
HU26-2 (Min)	HUC26-2	8 - Titen 1/4x2 3/4	8 - Titen 1/4x1 3/4	4 - 10d	725	2760
HU26-3 (Min)	HUC26-3	8 - Titen 1/4x2 3/4	8 - Titen 1/4x1 3/4	4 - 10d	725	2760
HU26-3 (Max)	HUC26-3	12 - Titen 1/4x2 3/4	12 - Titen 1/4x1 3/4	6 - 10d	1085	3040
HU28-2 (Min)	HUC28-2	10 - Titen 1/4x2 3/4	10 - Titen 1/4x1 3/4	4 - 10d	725	3040
HU210-2 (Min)	HUC210-2	14 - Titen 1/4x2 3/4	14 - Titen 1/4x1 3/4	6 - 10d	1085	3800
HU210-3 (Min)	HUC210-3	14 - Titen 1/4x2 3/4	14 - Titen 1/4x1 3/4	6 - 10d	1085	3800
HU210-3 (Max)	HUC210-3	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	10 - 10d	1810	4000
HU212-2 (Min)	HUC212-2	16 - Titen 1/4x2 3/4	16 - Titen 1/4x1 3/4	6 - 10d	1085	3800
HU212-2 (Max)	HUC212-2	22 - Titen 1/4x2 3/4	22 - Titen 1/4x1 3/4	10 - 10d	1810	4000
HU212-3 (Min)	HUC212-3	16 - Titen 1/4x2 3/4	16 - Titen 1/4x1 3/4	6 - 10d	1085	3800
HU212-3 (Max)	HUC212-3	22 - Titen 1/4x2 3/4	22 - Titen 1/4x1 3/4	10 - 10d	1810	4000
HU214-2 (Min)	HUC214-2	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 10d	1505	4000
HU214-2 (Max)	HUC214-2	24 - Titen 1/4x2 3/4	24 - Titen 1/4x1 3/4	12 - 10d	2170	5085
HU214-3 (Min)	HUC214-3	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 10d	1445	4000
HU214-3 (Max)	HUC214-3	24 - Titen 1/4x2 3/4	24 - Titen 1/4x1 3/4	12 - 10d	2170	5085
HU216	(Not available)	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 10dx1-1/2	1155	2890
HU216-2 (Min)	HUC216-2	20 - Titen 1/4x2 3/4	20 - Titen 1/4x1 3/4	8 - 10d	1445	4000
HU216-2 (Max)	HUC216-2	26 - Titen 1/4x2 3/4	26 - Titen 1/4x1 3/4	12 - 10d	2015	5085
HU216-3 (Min)	HUC216-3	20 - Titen 1/4x2 3/4	20 - Titen 1/4x1 3/4	8 - 10d	1445	4000
HU216-3 (Max)	HUC216-3	26 - Titen 1/4x2 3/4	26 - Titen 1/4x1 3/4	12 - 10d	2015	5085
HU44	HUC44	4 - Titen 1/4x2 3/4	4 - Titen 1/4x1 3/4	2 - 10d	360	1545
HU46 (Min)	HUC46	8 - Titen 1/4x2 3/4	8 - Titen 1/4x1 3/4	4 - 10d	725	2760
HU48 (Min)	HUC48	10 - Titen 1/4x2 3/4	10 - Titen 1/4x1 3/4	4 - 10d	725	3040
HU410 (Min)	HUC410	14 - Titen 1/4x2 3/4	14 - Titen 1/4x1 3/4	6 - 10d	1085	3800
HU412 (Min)	HUC412	16 - Titen 1/4x2 3/4	16 - Titen 1/4x1 3/4	6 - 10d	1085	3800
HU412 (Max)	HUC412	22 - Titen 1/4x2 3/4	22 - Titen 1/4x1 3/4	10 - 10d	1810	4000
HU414 (Min)	HUC414	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 10d	1445	4000
HU414 (Max)	HUC414	24 - Titen 1/4x2 3/4	24 - Titen 1/4x1 3/4	12 - 10d	2170	5085
HU416 (Min)	HUC416	20 - Titen 1/4x2 3/4	20 - Titen 1/4x1 3/4	8 - 10d	1445	4000
HU416 (Max)	HUC416	26 - Titen 1/4x2 3/4	26 - Titen 1/4x1 3/4	12 - 10d	2170	5085
HU66 (Min)	HUC66	8 - Titen 1/4x2 3/4	8 - Titen 1/4x1 3/4	4 - 16d	860	2760
HU66 (Max)	HUC66	12 - Titen 1/4x2 3/4	12 - Titen 1/4x1 3/4	6 - 16d	1285	3040
HU68 (Min)	HUC68	10 - Titen 1/4x2 3/4	10 - Titen 1/4x1 3/4	4 - 16d	860	3040
HU68 (Max)	HUC68	14 - Titen 1/4x2 3/4	14 - Titen 1/4x1 3/4	6 - 16d	1285	3800
HU610 (Min)	HUC610	14 - Titen 1/4x2 3/4	14 - Titen 1/4x1 3/4	6 - 16d	1285	3800
HU610 (Max)	HUC610	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 16d	1715	4000
HU612 (Min)	HUC612	16 - Titen 1/4x2 3/4	16 - Titen 1/4x1 3/4	6 - 16d	1285	3800
HU612 (Max)	HUC612	22 - Titen 1/4x2 3/4	22 - Titen 1/4x1 3/4	8 - 16d	1715	4000
HU614 (Min)	HUC614	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 16d	1715	4000
HU614 (Max)	HUC614	24 - Titen 1/4x2 3/4	24 - Titen 1/4x1 3/4	12 - 16d	2575	5085
HU616 (Min)	HUC616	20 - Titen 1/4x2 3/4	20 - Titen 1/4x1 3/4	8 - 16d	1715	4000
HU616 (Max)	HUC616	26 - Titen 1/4x2 3/4	26 - Titen 1/4x1 3/4	12 - 16d	2575	5085

Model No.		Fasteners			Allowable Loads (DF/SP)	
Standard	Concealed	CMU	Concrete	Joist	Uplift (160)	Down (100/125)
HU7 (Min)	(Not available)	12 - Titen 1/4x2 3/4	12 - Titen 1/4x1 3/4	4 - 10dx1-1/2	575	2835
HU7 (Max)	(Not available)	16 - Titen 1/4x2 3/4	16 - Titen 1/4x1 3/4	8 - 10dx1-1/2	1150	3335
HU9 (Min)	(Not available)	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	6 - 10dx1-1/2	865	3715
HU9 (Max)	(Not available)	24 - Titen 1/4x2 3/4	24 - Titen 1/4x1 3/4	10 - 10dx1-1/2	1440	4205
HU11 (Min)	(Not available)	22 - Titen 1/4x2 3/4	22 - Titen 1/4x1 3/4	6 - 10dx1-1/2	865	3715
HU11 (Max)	(Not available)	30 - Titen 1/4x2 3/4	30 - Titen 1/4x1 3/4	10 - 10dx1-1/2	1440	4205
HU14 (Min)	(Not available)	28 - Titen 1/4x2 3/4	28 - Titen 1/4x1 3/4	8 - 10dx1-1/2	1150	3960
HU14 (Max)	(Not available)	36 - Titen 1/4x2 3/4	36 - Titen 1/4x1 3/4	14 - 10dx1-1/2	2015	4700
HU410-2 (Min)	HUC410-2	14 - Titen 1/4x2 3/4	14 - Titen 1/4x1 3/4	6 - 16d	1285	3800
HU410-2 (Max)	HUC410-2	18 - Titen 1/4x2 3/4	18 - Titen 1/4x1 3/4	8 - 16d	1715	4050
HU412-2 (Min)	HUC412-2	16 - Titen 1/4x2 3/4	16 - Titen 1/4x1 3/4	6 - 16d	1285	3800
HU412-2 (Max)	HUC412-2	22 - Titen 1/4x2 3/4	22 - Titen 1/4x1 3/4	8 - 16d	1715	4050
HU414-2 (Min)	HUC414-2	20 - Titen 1/4x2 3/4	20 - Titen 1/4x1 3/4	8 - 16d	1715	4050
HU414-2 (Max)	HUC414-2	26 - Titen 1/4x2 3/4	26 - Titen 1/4x1 3/4	12 - 16d	2575	5085

See page 1 for footnotes

*This technical bulletin is effective until January 31, 2013, and reflects information available as of July 1, 2010. This information is updated periodically and should not be relied upon after January 31, 2013; contact Simpson Strong-Tie for current information and limited warranty or see [www.strongtie.com](http://www.strongtie.com).*

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