

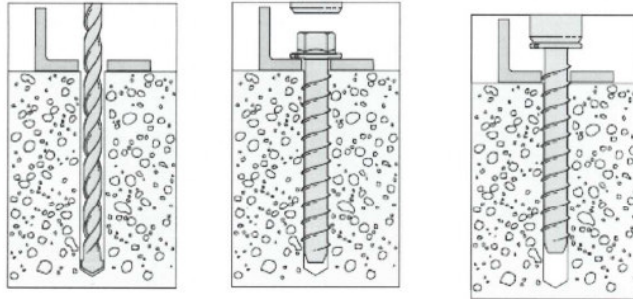


# Titen HD



## Anchoring Mudsills using the Titen HD

- Drill a hole in the base material using a carbide drill bit the same nominal diameter as the Titen.
- Drill at least 1/2" deeper than the length of the Titen and clean out the hole.
- Tighten the anchor into the base material until the hex head washer contacts the wood plate.

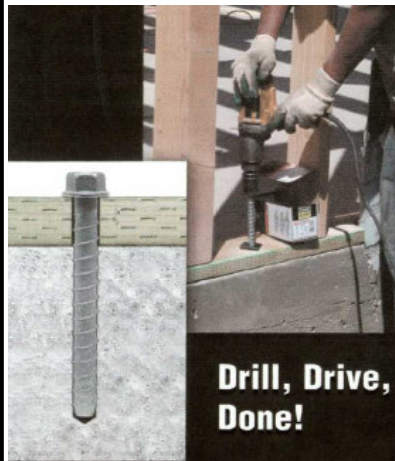


Installing the Titen HD "after the pour" allows you to install the anchor one time, in the right location and move on. It eliminates complications before, during and afterwards, resulting in less time and money spent anchoring.

### INSTALL THE TITEN HD AFTER THE POUR:

- ▽ Avoid costly repairs for misplaced bolts
- ▽ No time consuming layout before the pour
- ▽ No installation and removal of interior forms
- ▽ No need to adjust bolts after the pour
- ▽ No worries on Pour Day.
- ▽ Easier finishing

Anchor bolts may be less expensive to buy, but with all the labor and expense associated with installation and repairs, the Titen HD saves money when looking at total installation cost.

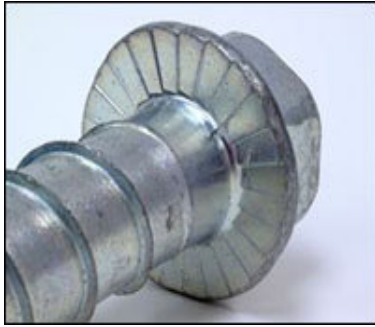


**Wind-lock**  
Your faithful business companion

1055 Leiscz's Bridge Road • Leesport, PA 19533  
610-926-6815 • 1-800-872-5625 • Fax: 1-800-854-6614  
[www.wind-lock.com](http://www.wind-lock.com)



# Titen HD



Use the Titen HD instead of cast-in-place anchor bolts and save as much as 30%!

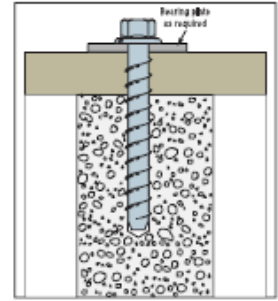


This core shows how the Titen HD undercuts the base material

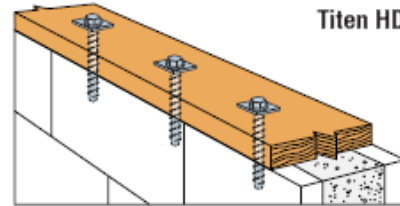
## Anchor Spacing

Titen HD Size (in)	Titen HD Model #	Sill Plate Size (in)	Min. Edge Dist. (in)	Min. End Dist. (in)	Min Wall Width (in)
1/2 x 6	THD50600H	2x or 3x	1 3/4	8	6
5/8 x 6	THD62600H	2x	1 3/4	10	6
5/8 x 6 1/2	THD62612H	3x	1 3/4	10	6

1. Min. concrete strength 2500 psi.
2. For ACQ or CA lumber order products Mechanically Galvanized (MG). For additional information, visit [www.strongtie.com/info](http://www.strongtie.com/info)
3. Designs based on a minimum embedment of 3 1/4" for 1/2" Titen HDs and 3 3/4" for 5/8" Titen HDs.
4. For additional information, refer to the latest Simpson Anchor & Fastening Systems for Concrete & Masonry catalog.
5. Direct 1 to 1 replacement is based on parallel-to-plate, perpendicular-to-plate, and tension comparisons to a cast-in-place anchor bolt of equivalent diameter.

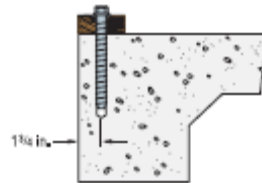


Titen HD



Titen HD installation into ICF.

## Specialized Testing



Note: Rebar not shown for clarity.

Titen HD Shear Loads in Normal-Weight Concrete, Load Applied Parallel to Edge

Size In. (mm)	Drill Bit Dia. In.	Embed. Depth In. (mm)	Minimum Edge Dist. In. (mm)	Minimum End Dist. In. (mm)	Minimum Spacing Dist. In. (mm)	Shear Load Based on Concrete Edge Distance		
						f'c >= 2500 psi (17.2 MPa) Concrete		
						Ultimate lbs. (kN)	Std. Dev. lbs. (kN)	Allow. lbs. (kN)
1/2 (12.7)	1/2	2 3/4 (70)	1 3/4 (45)	8 (203)	8 (203)	4,660 (20.7)	575 (2.6)	1,165 (5.2)
		3 1/4 (83)				*	*	1,530 (6.8)
		3 1/2 (89)				6,840 (30.4)	860 (3.8)	1,710 (7.6)
		4 1/2 (114)				7,800 (34.7)	300 (1.3)	1,950 (8.7)
5/8 (15.9)	5/8	2 3/4 (70)	1 3/4 (45)	10 (254)	10 (254)	4,820 (21.4)	585 (2.6)	1,205 (5.3)
		3 1/4 (83)				*	*	1,580 (7.0)
		3 1/2 (89)				7,060 (31.4)	1,284 (5.7)	1,765 (7.9)

## Ordering Information

### Titen HD

#### Part Codes:

THD-50600H 1/2" x 6" Drill 1/2" Titen Hold Down (20 per box)

THD-50800H 1/2" x 8" Drill 1/2" Titen Hold Down (20 per box)



1055 Leisz's Bridge Road • Leesport, PA 19533  
 610-926-6815 • 1-800-872-5625 • Fax: 1-800-854-6614  
[www.wind-lock.com](http://www.wind-lock.com)