

# Titen HD® Heavy-Duty Screw Anchor Mechanically Galvanized

**SIMPSON**  
**Strong-Tie**

## Now code listed for exterior use

The Titen HD heavy-duty screw anchor is a mechanically galvanized high-strength screw anchor for use in cracked and uncracked concrete, as well as uncracked masonry. Its proprietary heat treatment and ASTM B695 Class 65 mechanically galvanized coating make it ideal for both interior and exterior anchoring applications.

The Titen HD screw anchor is designed for a wide variety of applications such as sill plates, ledgers, post bases, seating, and other holdown applications. The screw anchor is easy to remove for use in temporary applications such as bracing and formwork, or when a fixture needs to be relocated.

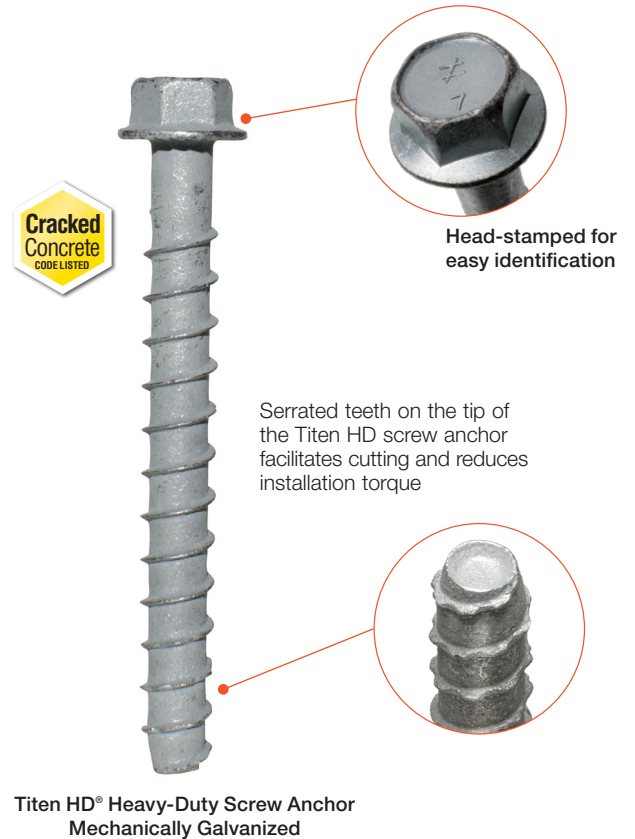
### Features

- Thread design undercuts to efficiently transfer the load to the base material
- Standard fractional sizes, hole size equals anchor size
- Specialized heat-treating process creates tip hardness for better cutting without compromising ductility
- Hex washer head requires no separate washer, unless required by code
- Fully and easily removable
- Code listed for exterior applications

**Codes:** ICC-ES ESR-2713 (concrete), ICC-ES ESR-1056 (masonry)

**Material:** Carbon steel

**Coating:** Mechanically galvanized



Exterior Use — Stadium Seating



Ledger Installation



Titen HD Mechanically Galvanized Screw Anchor for Post Base Installation

# Titen HD® Heavy-Duty Screw Anchor — Mechanically Galvanized

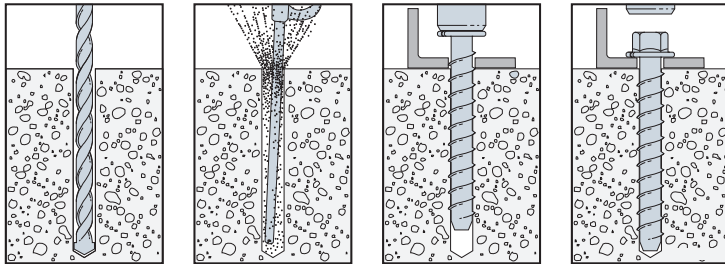


## Titen HD Anchor Product Data — Mechanically Galvanized

Size (in.)	Model No.	Thread Length (in.)	Drill Bit Diameter (in.)	Wrench Size (in.)	Quantity	
					Box	Carton
3/8 x 3	THD37300HMG	2 1/2	3/8	9/16	50	200
3/8 x 4	THD37400HMG	3 1/2			50	200
3/8 x 5	THD37500HMG	4 1/2			50	100
3/8 x 6	THD37600HMG	5 1/2			50	100
1/2 x 4	THD50400HMG	3 1/2	1/2	3/4	20	80
1/2 x 5	THD50500HMG	4 1/2			20	80
1/2 x 6	THD50600HMG	5 1/2			20	80
1/2 x 6 1/2	THD50612HMG	5 1/2			20	40
1/2 x 8	THD50800HMG	5 1/2			20	40
1/2 x 12	THD501200HMG	5 1/2			5	20
5/8 x 5	THDB62500HMG	4 1/2	5/8	1 5/16	10	40
5/8 x 6	THDB62600HMG	5 1/2			10	40
5/8 x 6 1/2	THDB62612HMG	5 1/2			10	40
5/8 x 8	THDB62800HMG	5 1/2			10	20
5/8 x 10	THDB62100HMG	5 1/2			10	20
3/4 x 5	THD75500HMG	4 1/2	3/4	1 1/8	5	20
3/4 x 6	THDT75600HMG	4 1/2			5	20
3/4 x 8 1/2	THD75812HMG	5 1/2			5	10
3/4 x 10	THD75100HMG	5 1/2			5	10

Mechanical galvanizing meets ASTM B695, Class 65, Type 1.  
Visit [strongtie.com/info](http://strongtie.com/info) for corrosion information.

### Installation Sequence



### Additional Installation Information for Structural Steel

Titen HD Diameter (in.)	Wrench Size (in.)	Recommended Steel Fixture Hole Size (in.)	Minimum Hole Depth Overdrill (in.)
3/8	9/16	1/2 to 5/16	1/4
1/2	3/4	5/8 to 11/16	1/2
5/8	1 1/16	3/4 to 1 3/16	1/2
3/4	1 1/8	7/8 to 1 5/16	1/2

Suggested fixture hole sizes are for structural steel thicker than 12 gauge only. Larger holes are not required for wood or cold-formed steel members.



Metal-to-Concrete Bench Fixture