TECHNICAL DATA SHEET

# Sure Wall Self-Drilling Strap Toggle - Design Information



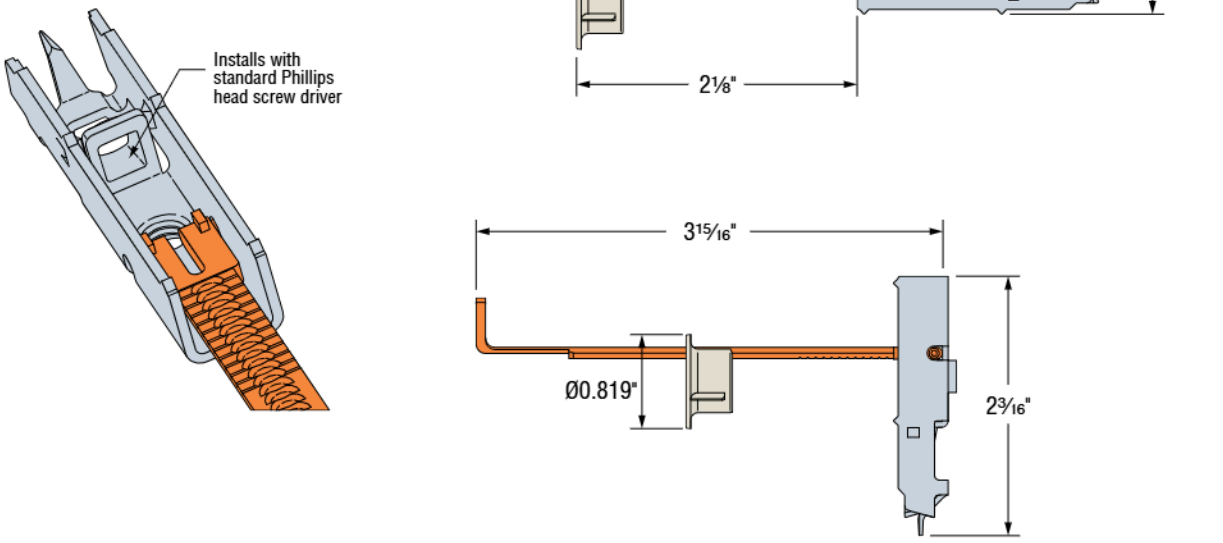
## Features and Benefits:

- Applications include heavier fixtures, TVs and wall-mounted mirrors
- Available in 3⁄16" and 1⁄4" sizes
- Unique, self-drilling tip design enables quick, tool-friendly installation with no predrilling required into drywall
- Threaded toggle mechanism allows for bolt removal without losing holding power
- Delivers higher load capacities than standard drywall anchors for added versatility and confidence

**Materials:** Drywall, Hollow CMU

## Product Specifications

| Model | Product Size | Anchor | | | Fastener | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Drill Bit Size | Material - Strap & Button Cap | Material- Metal Toggle | Thread | Length | Driver Recess | Headstyle | Material |
| SDST18 | 3⁄16" | 5⁄8" | Nylon | Zinc-Plated Carbon Steel | 3⁄16"-24 | 2" | Phillips Head #3 | Mushroom Head | Zinc-Plated Carbon Steel |
| SDST25 | 1⁄4" | 5⁄8" | Nylon | Zinc-Plated Carbon Steel | 1⁄4"-20 | 2 1⁄2" | Phillips Head #3 | Mushroom Head | Zinc-Plated Carbon Steel |



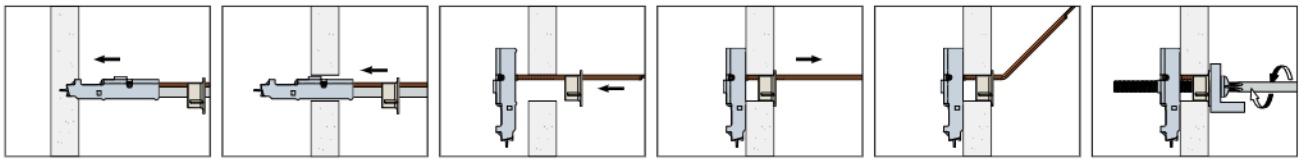

**Product Views and Dimensional Details**

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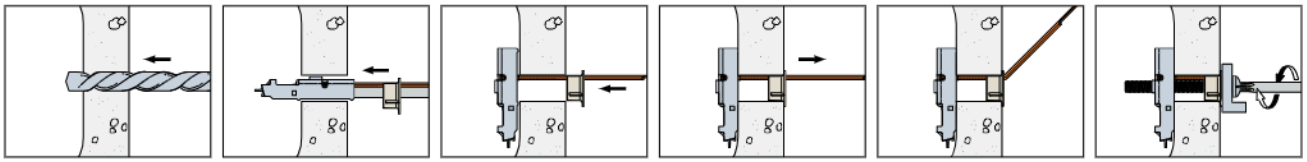
## Installation Instructions

### Drywall



1. Insert screwdriver or Phillips head bit into the recess of the anchor and screw the anchor into the drywall. Alternatively, a ⅝" pilot hole can be drilled.
2. Insert the anchor through the drywall hole. Make sure the plastic cap is positioned so that the word "UP" and the arrow are both pointing upward.
3. Push plastic cap into the hole.
4. Pull the strap, bringing the anchor tight against back of the wall.
5. Bend strap sharply upward to snap off the excess once cap is firmly in place.
6. Insert bolt through fixture and screw clockwise until firmly tightened.

### Hollow Masonry Unit (CMU)



1. Drill ⅝" pilot hole.
2. Slide the anchor through the hole of the hollow block material.
3. Push plastic cap into the hole.
4. Pull the strap, bringing the anchor tight against back of the wall.
5. Bend strap sharply upward to snap off the excess once cap is firmly in place.
6. Insert bolt through fixture and screw clockwise until firmly tightened.

## Sure Wall Self-Drilling Strap Toggle Tension and Shear Loads in Drywall[2,3,4]

| Model | Size (in.) | Drywall thickness (in.) | Allowable Loads[1] (lbs.) | |
|---|---|---|---|---|
| | | | Tension | Shear |
| SDST18 | 3/16 | ½ | 35 | 65 |
| | | ⅝ | 60 | 95 |
| SDST25 | ¼ | ½ | 35 | 70 |
| | | ⅝ | 65 | 120 |

1. The allowable loads listed are based on a safety factor of 4.0.
2. The allowable loads listed are based on single anchor tests.
3. The performance of multiple anchors spaced closely has not been investigated.
4. To achieve tabulated allowable loads, use fastener included with anchor.

## Sure Wall Self-Drilling Strap Toggle Tension and Shear Loads in Medium-weight and Normalweight Hollow Masonry Block[2,3,4]

| Model | Size (in.) | Drill Bit Size (in.) | Allowable Loads[1] (lbs.) | |
|---|---|---|---|---|
| | | | Tension | Shear |
| SDST18 | 3/16 | ⅝ | 85 | 135 |
| SDST25 | ¼ | ⅝ | 105 | 200 |

1. The allowable loads listed are based on a safety factor of 5.0.
2. The allowable loads listed are based on single anchor tests in the hollow cell of medium-weight masonry block with minimum specified compressive strength of 2,000 psi. Installation in head or bed joint is not permitted.
3. The performance of multiple anchors spaced closely has not been investigated.
4. To achieve tabulated allowable loads, use fastener included with anchor.

This technical data sheet is effective until December 31, 2027, and reflects information available as of August 1, 2026. This information is updated periodically and should not be relied upon after December 31, 2027; contact Simpson Strong-Tie for current information and limited warranty or see **strongtie.com**.

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