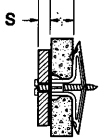
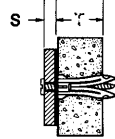
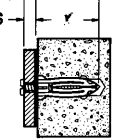
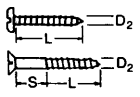
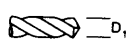


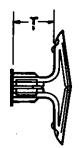
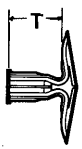
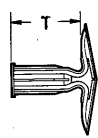
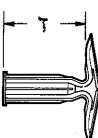


TOGGLER® brand Hollow Wall Anchors:

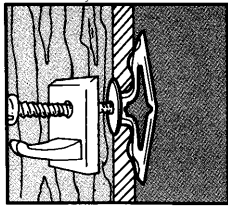
- ★ New improved Super TOGGLER® design provides increased holding strength
- ★ For use in drywall, hollow or plaster walls, and hollow doors
- ★ Anchor pre-installs without screw
- ★ Screws can be removed without removal of anchor
- ★ Does not damage wall upon installation or removal
- ★ Type IV anchor in Federal Specification FF-B-588D
- ★ Vibration proof and shock proof

| Size Selection Chart |  Mode 1 |  Mode 2 |  Mode 3 |  Screw Size range |  Drill Size* |
|--|--|--|--|--|---|
| TA®  | T=3-6mm (1/8"-1/4") | T > 6mm (> 1/4") | X=25mm (1") | D ₂ =4.2-5mm No.8- No.12 L=25mm(1")+S | D ₁ =8mm (5/16") |
| TB®  | T=9-13mm (3/8"-1/2") | T > 13mm (> 1/2") | X=32mm (1 1/4") | D ₂ =3.5-6mm No.6- No.14 L=32mm(1 1/4")+S | D ₁ =8mm (5/16") |
| TC®  | T=16-19mm (5/8"-3/4") | T > 19mm (> 3/4") | X=38mm (1 1/2") | D ₂ =3.5-6mm No.6- No.14 L=38mm(1 1/2")+S | D ₁ =8mm (5/16") |
| TD™  | T=26mm (1") | T > 26mm (> 1") | X=48mm (1 7/8") | D ₂ =3.5-6mm No.6- No.14 L=48mm(2")+S | D ₁ =8mm (5/16") |
| T35™  | T=35mm (1 3/8") | T > 35mm (> 1 3/8") | X=58mm (2 1/4") | D ₂ =3.5-6mm No.6- No.14 L=58mm(2 1/4")+S | D ₁ =8mm (5/16") |
| T39™  | T=39mm (1 1/2") | T > 39mm (> 1 1/2") | X=64mm (2 1/2") | D ₂ =3.5-6mm No.6- No.14 L=64mm(2 1/2")+S | D ₁ =8mm (5/16") |

* In very hard materials, like ceramic tile, use 3/8" (9 mm) drill

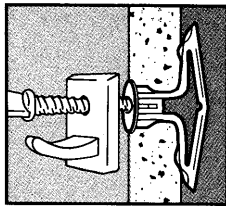
RECOMMENDED USES:

Super TOGGLER® TA®



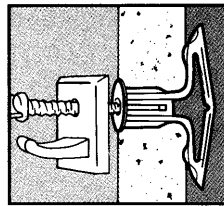
THIN PANEL/HOLLOW DOOR ANCHOR 1/8"-1/4" (3-6 mm) GRIP RANGE. For hanging towel bars, hooks, shelves etc. on hollow core doors. Also useful on ceramic tile, thin plywood, paneling, fiberglass, or sheet metal.

Super TOGGLER® TB®



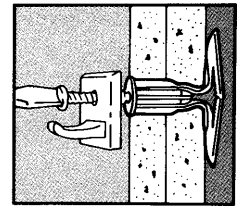
DRYWALL/PLASTERBOARD ANCHOR 3/8"-1/2" (9-13mm) GRIP RANGE. For hanging drapery, hardware, telephones and jacks, lamps, mirrors, kitchen and bath accessories, shelves, etc. on standard residential drywall.

Super TOGGLER® TC®



PLASTER/DRYWALL ANCHOR 5/8"-3/4" (16-19mm) GRIP RANGE For hanging fixtures on thicker drywall found in commercial buildings as well as on plaster walls found in many older homes.

TOGGLER® TD™, T35™, T39™



1" (26mm) HOLLOW WALL ANCHOR For anchoring in double 1/2" drywall and thick plaster walls. Also available as T35™ for 1 3/8" (35mm) and as T39™ for 1 1/2" (39mm).

MATERIAL SPECIFICATION:

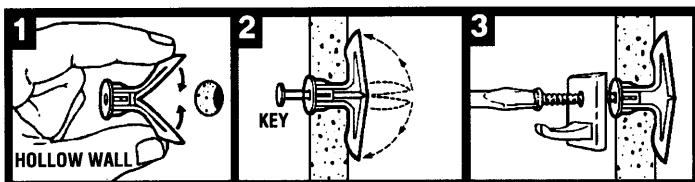
TOGGLER® hollow wall anchors are made from specially formulated polypropylene which is:

- * Colorless and translucent-blends into wall color and texture
- * Non-conductive (Dielectric constant $2.30 \times 10^6 \text{Hz}$), allowing safe anchoring of electrical apparatus
- * Non-corrodible (safely used with stainless steel screws in corrosive environments)
- * Low friction, self lubricating - facilitating screw insertion
- * Toughness with elasticity, even at temperature extremes in the range from -20°F to 212°F (-30°C to 100°C).

Do not store in direct sunlight, or use in applications exposed to long term direct sunlight. All anchors available, on special order, in black for high UV resistance. In nearly all applications, anchor is hidden from UV exposure by fastened object or installation location.

All TOGGLER® anchors are completely constructed of inert, non-toxic materials. The FDA has approved the material safe for use even with food stuffs and for use in the human body. OSHA standard 29 CFR 1910.1200 and DOT standards are not applicable. NO MSDS is required for any TOGGLER anchor.

INSTALLATION INSTRUCTIONS AND APPLICATION POINTERS:

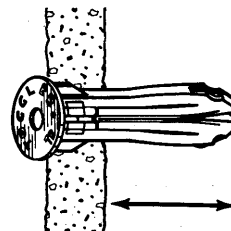


All anchors can be used in any material (masonite, plywood, panelling, concrete, drywall etc.) of any thickness above the minimum wall grip range. Anchors will perform as wedge or solid wall anchors in materials with thicknesses above wall grip range without modification.

Instructions: 1. Drill 5/16" hole. Fold anchor, insert anchor in hole and tap flush with wall. 2. Insert key to toggle anchor open behind hollow wall (necessary for thick or solid walls). **Do not hammer key.** Remove key. 3. Place item over anchor. Insert screw and tighten until screw is **flush with fixture.** **Do not overtighten;** use any sheet metal screw or other screw with a sufficiently long threaded portion.

Behind the wall
clearance for operation:

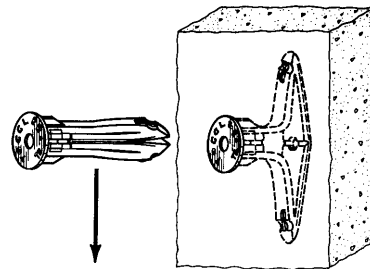
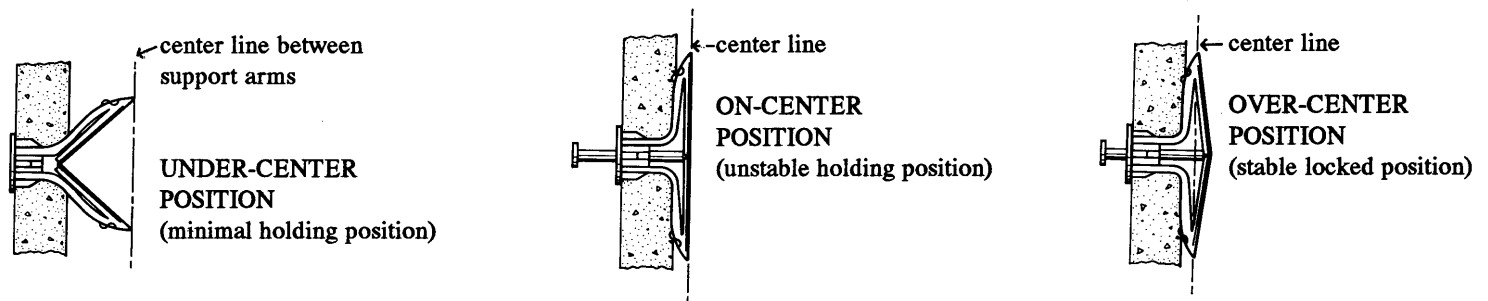
TA anchor - 1/2" (13mm) clearance
All others - 3/4" (19mm) clearance



For all hollow wall anchors use 5/16" (8mm) drill. In very hard materials use 3/8" (9mm) drill. Where a drill is not available, a #3 blade (1/4") screwdriver, when rotated, will make a 5/16" installation hole in dry wall.

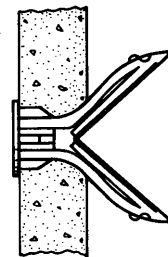
Use red key for setting TA, TB, and TC anchors in hollow walls within their grip range. Use black key for setting TD, T35, T39 anchors in hollow walls within their grip range. Positive tactile feedback of setting key, in popping anchor arms over center, is an absolute indication of proper hollow wall setting of anchor. Excessive pressure should not be placed on key since failure to set indicates either solid wall or a wall too thick for the anchor to set in its hollow wall mode. The anchor will operate under such conditions, however, as a wedge and compression solid wall anchor with significant holding strength. Use TOGGLER® Alligator® solid wall anchors for highest solid wall holding strength.

Over-center toggled position in hollow walls locks anchor in place. Added load acts to increase holding. Over-center holding and strong, yet flexible, plastic composition provides high resistance to vibrations and stress from dynamic loading - the most common causes of anchor failure.



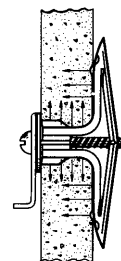
For critical shear load applications, locate folding arms of anchor to open in direction of shear load.

The **inward**, rather than outward, folding of anchor for insertion, positions screw-engaging portions closer to screw, with minimum required screw length and elimination of missed screw engagement.



Screw gun is ideal for screw insertion, anchors will not spin or strip out if head of screw is simply screwed flush with object being fastened. **Fastening is complete with seating of screw head snugly, flush with object being fastened. Do not continue tightening screw.**

Spreading of load on the wall surface rather than wedging against gypsum in interior of dry wall effectively **minimizes dry wall failure** and puts the load on the wall surfaces to **maximize load bearing**. Flexibility of plastic composition acts as cushion against wall gouging or breakage.



PULL-OUT VALUES:

The TOGGLER® Hollow Wall anchors are the only hollow wall anchors with very high holding strength in drywall and other common building materials as well as high solid wall holding strength. Tests are ultimate load, however, industry Safety standards recommend 1/4 of the values for actual applications:

**INDEPENDENT LABORATORY TESTING VALUES - PULLOUT IN POUNDS (KGS)
TOGGLER® screw anchors (tested with #8 (4.2mm) screws)**

| Anchor | TENSILE | | | SHEAR | | | | |
|--------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| | plywood | drywall 3/8" (9mm) | drywall 1/2" (13mm) | drywall 5/8" (16mm) | plywood | drywall 3/8" (9mm) | drywall 1/2" (13mm) | drywall 5/8" (16mm) |
| TA | (1/4", 6mm) 124 (56) | --- | --- | --- | (1/4", 6mm) 265 (120) | --- | 126 (57) | --- |
| TB | (1/2", 13mm) 175 (80) | 97 (44) | 143 (65) | 102 (46)* | --- | 126 (56) | 167 (76) | 214 (97)* |
| TC | --- | --- | --- | 159 (72) | --- | --- | --- | 237 (108) |

* with #10 screw

NEW patented improvements in the original TOGGLER® hollow wall anchor design (TA, TB and TC anchors) - the new Super TOGGLER® - have increased holding strength and abuse resistance. Holding arms have been thickened and strengthened without increasing insertion hole size, and major stress points have been significantly reinforced without increasing anchor size or utility.



TOGGLER ANCHOR SYSTEM
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