SNAPTOGGLE® HEAVY-DUTY HOLLOW-WALL ANCHORS

The latest generation of the ever-evolving TOGGLER hollow-wall anchor technology...

The SNAPTOGGLE anchor is a heavy-duty hollow-wall anchor for use in walls, ceilings, or floors of materials such as gypsum board, drywall, concrete block, tile over drywall, etc. The anchor is pre-assembled and ready for immediate use. The ratcheting strap / locking cap assembly positions the one-piece zinc-plated (or stainless) steel anchoring channel flush against the rear of the wall. The cap slides down the straps to lock flush against the front of the wall. The straps on the outside of the wall are then easily and quickly snapped off by hand flush with the surface of the wall (no extra tools required). Holding is dependent only on a metal bolt to metal channel connection.

The SNAPTOGGLE anchor complies with all existing fire codes for critical applications.

Benefits compared to wing toggles:

- Holds up to 2x the load
- Solid metal channel resists vibration & shock
- Pre-assembled and ready for immediate use
- Pre-installs without fixture or bolt
- Installs in a significantly smaller hole
- Automatically adjusts to thickness of wall, ceiling, or floor
- Does NOT spin—bolt installs with a screw gun
- Uses a shorter bolt—no need to carry a wing
- New plating is 7 times more corrosion-resistant
- Does NOT fall behind wall when bolt is removed; fixture can be removed and reinstalled as often as desired

### ULTIMATE TENSILE PULL-OUT VALUES [lb]

<table>
<thead>
<tr>
<th>Anchor</th>
<th>UNC thread</th>
<th>Drill dia.</th>
<th>1/2&quot; Drywall</th>
<th>5/8&quot; Drywall</th>
<th>*1/2&quot; with 25 gauge stud</th>
<th>*5/8&quot; with 25 gauge stud</th>
<th>Concrete block</th>
<th>1/2&quot; steel plate</th>
<th>Stainless in 1/2&quot; steel³</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>3/16&quot;-24</td>
<td>1/2&quot;</td>
<td>238</td>
<td>356</td>
<td>412</td>
<td>462</td>
<td>802</td>
<td>918¹</td>
<td>1,193¹</td>
</tr>
<tr>
<td>BB</td>
<td>1/4&quot;-20</td>
<td>1/2&quot;</td>
<td>265</td>
<td>356</td>
<td>425</td>
<td>464</td>
<td>1,080</td>
<td>1,288²</td>
<td>1,735¹</td>
</tr>
<tr>
<td>BE</td>
<td>5/16&quot;-18</td>
<td>3/4&quot;</td>
<td>270</td>
<td>480</td>
<td>439</td>
<td>477</td>
<td>1,400</td>
<td>1,680</td>
<td>2,118</td>
</tr>
<tr>
<td>BC</td>
<td>3/8&quot;-16</td>
<td>3/4&quot;</td>
<td>275</td>
<td>576</td>
<td>466</td>
<td>488</td>
<td>1,745</td>
<td>1,692</td>
<td>2,523¹</td>
</tr>
<tr>
<td>BD</td>
<td>1/2&quot;-13</td>
<td>3/4&quot;</td>
<td>275</td>
<td>576</td>
<td>468</td>
<td>513</td>
<td><strong>2,038²</strong></td>
<td>2,605</td>
<td>3,150</td>
</tr>
</tbody>
</table>

### ULTIMATE SHEAR [lb]

<table>
<thead>
<tr>
<th>Anchor</th>
<th>UNC thread</th>
<th>Drill dia.</th>
<th>1/2&quot; Drywall</th>
<th>5/8&quot; Drywall</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>3/16&quot;-24</td>
<td>1/2&quot;</td>
<td>247</td>
<td>298</td>
</tr>
<tr>
<td>BB</td>
<td>1/4&quot;-20</td>
<td>1/2&quot;</td>
<td>241</td>
<td>324</td>
</tr>
<tr>
<td>BC</td>
<td>3/8&quot;-16</td>
<td>3/4&quot;</td>
<td>292</td>
<td>406</td>
</tr>
</tbody>
</table>

- Industry standards recommend 1/4 of ultimate test load.
- Holding strength for a SNAPTOGGLE heavy-duty hollow-wall anchor varies directly with the strength and condition of the substrate and the bolt size—and inversely with variations in hole diameter and the distance of the load from the wall.
- All figures in pounds. Pull-out values based on independent laboratory tests done according to U.S. Government standards. They should be used as guides only and cannot be guaranteed. The age, condition, and capacity of the substrate must be considered.

¹ Stainless steel bolts used
² Hardened bolts used
³ Stainless steel channel tested with stainless bolts in 1/2" steel plate
SNAPTOGGLE® HEAVY-DUTY HOLLOW-WALL ANCHORS

Specifications

Description — SNAPTOGGLE Heavy-Duty Hollow-Wall Anchors (Toggle Bolts)

Material — zinc-plated 1010 cold rolled steel (or 300 series stainless steel) metal channel, high-impact polystyrene straps and handle, translucent polypropylene copolymer cap

Screw specification — UNC-thread machine screw (bolt) to match thread in metal channel

Minimum screw length — thickness of wall or ceiling + thickness of item being fastened + 1/2"

Minimum clearance behind wall — 1 3/8"

Minimum drywall thickness — 3/8"

Maximum drywall thickness — 3 5/8" for BA & BB anchors
2 1/2" for BC, BD & BE anchors
9 1/2" for BAL & BBL anchors

The plastic straps and cap washer are positioning and retention elements only. They do not otherwise function as anchoring elements. Holding is dependent only on a metal bolt to metal channel connection. The SNAPTOGGLE anchor complies with all existing fire codes for critical applications.

a = anchoring channel /
zinc-plated cold rolled steel or
300 series stainless steel
b = straps / high-impact polystyrene / locking ratchet
c = cap / translucent polypropylene copolymer
d = ergonomic handle / same as straps

The same product codes with an “S” at the end indicate stainless steel, e.g.,
BB = 1/4”-20 thread in the zinc-plated channel
BBS = 1/4”-20 thread in a stainless steel channel

Code Bolt thread Drill Diameter Grip Range
BA 3/16”-24 (#10-24) 1/2” 3/8” - 3½"
BB 1/4”-20 1/2” 3/8” - 3½"
BE 5/16”-18 3/4” 3/8” - 2 1/2"
BC 3/8”-16 3/4” 3/8” - 2 1/2"
BD 1/2”-13 3/4” 3/8” - 2 1/2"
BAL* 3/16”-24 (#10-24) 1/2” 2” - 9 1/2"
BBL* 1/4”-20 1/2” 2” - 9 1/2"

BL = T + W + 1/2”
[For min. W & max. W, see “Grip Range” at left]

C = 1 3/8”

The plastic straps and cap washer are positioning and retention elements only. They do not otherwise function as anchoring elements. Holding is dependent only on a metal bolt to metal channel connection. The SNAPTOGGLE anchor complies with all existing fire codes for critical applications.

Installation Instructions

Drill appropriate size hole. Hold metal channel flat alongside plastic straps & slide channel through the hole. Minimum clearance behind wall: only 1 3/8”.

Hold ends of straps together between thumb & forefinger and pull toward you until channel rests behind wall. Ratchet cap along straps with other hand until flange of cap is flush with wall.

Place thumb between straps at wall. Push thumb side to side, snapping off straps level with flange of cap.

Place item over flange. Insert bolt and tighten until snug against item, then stop. Use machine screw or bolt to match thread in metal channel.

• Gently hand engage at least one thread of bolt with channel before using screw gun to avoid cross threading the bolt.

• For maximum shear holding, orient channels vertically to floor.

• Use hardened or stainless bolts for maximum weight load.

• Enlargement of specified insertion holes size will reduce anchor effectiveness.

• Remove anchor by removing bolt, inserting screwdriver and popping channel behind wall off plastic straps with a sharp blow.

• All SNAPTOGGLE anchors meet the requirements of Type V anchors in Federal Specification FF-B-588-D (superseded).

• All bolts and threaded rods used with SNAPTOGGLE anchors must meet ANSI or HR 3000 standards to ensure safety and effectiveness.

Also available:
• metric-threaded channels [M5, M6, M8 & M10]
• RoHS-compliant channels
• stainless steel channels

Also available:
• Long straps (L) for roofing and for very thick walls or ceilings

The same product codes with an “S” at the end indicate stainless steel, e.g.,
BB = 1/4”-20 thread in the zinc-plated channel
BBS = 1/4”-20 thread in a stainless steel channel