

SNAPTOGGLE® Heavy-Duty Toggle Bolts

TOGLER®
HIGH-PERFORMANCE ANCHORS™

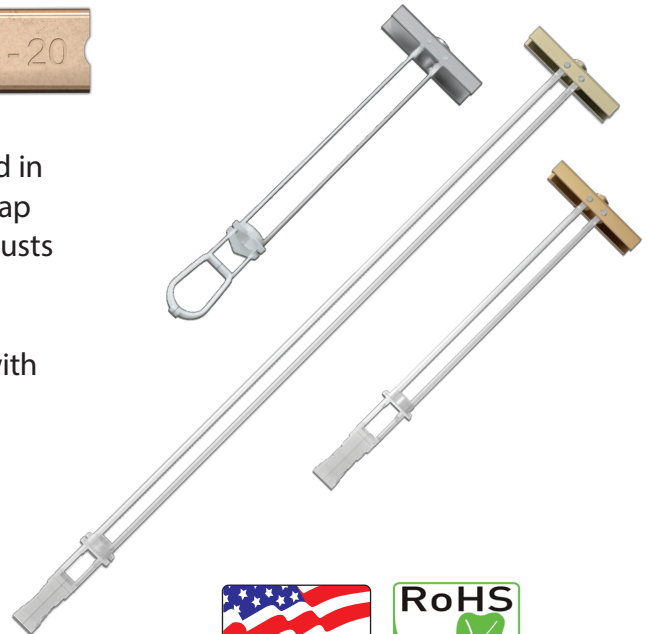


Description

SNAPTOGGLE heavy-duty toggle bolts carry twice the load in a smaller hole than standard wing anchors. A patented strap design with sturdier straps and smaller ratchet interval adjusts more precisely and snaps off flush to the surface. SNAPTOGGLE heavy-duty toggle bolts do NOT spin when installed with a screw gun and provide superior holding with metal-to-metal fastening.

Key Features & Benefits

- ▶ **Strong** – up to **2x the load** of an old-fashioned wing toggle
- ▶ Solid metal channel **resists vibration and shock**
 - bolt is centered in channel and positioned for precise installation
 - bolt threads never touch interior surface of hole and so can't saw through substrate
- ▶ Plating is **7x more corrosion**-resistant than B633-85 Type III/SC 1 government spec high-quality zinc plating
- ▶ **Save time** – at least **6 minutes** per anchor versus wing toggles
- ▶ Can use a screw gun – anchor **does not spin**
- ▶ **Save money** – turn a 2-person job into a 1-person job
- ▶ Use a **shorter bolt** – no need to carry a wing through the wall
- ▶ Patented strap design with sturdier straps and smaller ratchet interval:
 - adjusts more precisely and **snaps off flush** to wall, ceiling, or floor
 - does not break prematurely
 - pushes aside insulation
- ▶ **Smallest installation hole** for each bolt size:
 - maintains integrity of wall, ceiling, or floor, strengthening the anchoring
 - ends the need to patch an oversized hole [a 1/4" wing toggle requires a 3/4" diameter hole: 50% larger than the 1/2" diameter hole used by the 1/4" SNAPTOGGLE anchor]



Specifications, Listings and Approvals

Materials:

Metal channel: trivalent zinc-plated cold rolled steel or 304 stainless steel

Straps and handle: high-impact polystyrene

Cap: translucent polypropylene copolymer

Plating: Plating: ASTM B633, SC1, Type III, (Fe/Zn 5)

Federal Specifications: FF-B-588D, Type V

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

Minimum clearance behind wall: 1-7/8"

Grip Range:

3/8" - 3-5/8" = BA & BB

3/8" - 2-1/2" = BC, BD & BE

2" - 9-1/2" = BAL & BBL

Specs:

– No MSDS required

– ADA Compliant

– OSHPD Compliant

Key Features & Benefits (continued)

- ▶ New plating is **7x more corrosion-resistant** than B633-85 Type III/SC 1 government spec high quality zinc plating [350 hours to red rust in salt spray test versus only 48 hours for government spec]
- ▶ **Pre-installs without the bolt** to make handling of fixture easier
- ▶ **Reusable** in the same hole – remove the bolt without losing the anchor
- ▶ New **ergonomic design** – fingers grip straps more naturally and more easily with no slipping

Applications

- ▶ Cinder block
- ▶ Concrete block
- ▶ Gypsum board
- ▶ Drywall
- ▶ Tile over drywall
- ▶ Plasterboard
- ▶ Composite panels
- ▶ Cement board
- ▶ Greenboard
- ▶ Plaster
- ▶ Stucco
- ▶ Fiberglass
- ▶ Plywood
- ▶ Steel plate
- ▶ Plastic
- ▶ Wood studs/beams

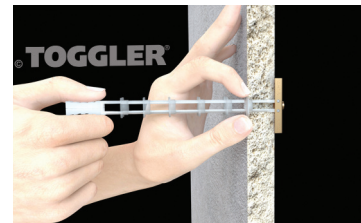
Installation Information



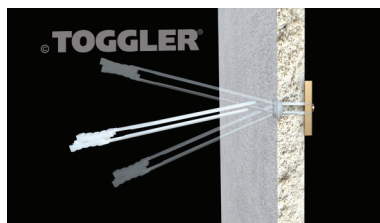
1. Slide metal channel into the pre-drilled hole



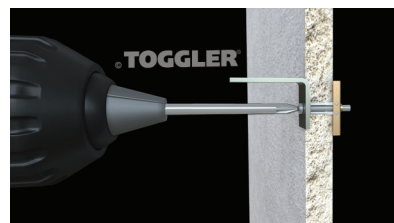
2. Hold ends of straps and pull toward you until channel rests flush behind wall or ceiling



3. Pull back on straps and slide plastic cap along straps until flange of cap is flush with wall or ceiling



4. Push straps side to side, snapping off straps level with wall, then discard straps



5. Place item over flange. Insert bolt through item and tighten until flush against item, then stop

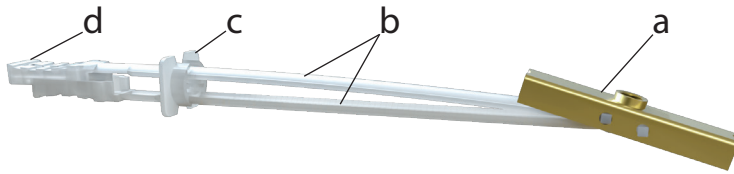
Benefits Compared To Wing Toggles:

- 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



Scan For Installation Video

Installation Data



a = anchoring channel / zinc-plated cold rolled steel or 304 series stainless steel
 b = straps / high-impact polystyrene / locking ratchet
 c = cap / translucent polypropylene copolymer
 d = ergonomic handle / same as straps

UNC - Imperial

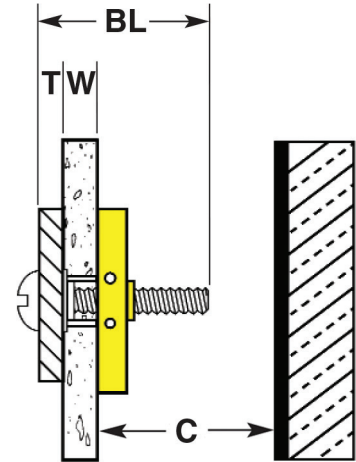
| Steel Style | Stainless Style | Drill Bit Dia. | Thread Size (UNC) | Threads Per Anchor | Grip Range | Minimum Clearance |
|-------------|-----------------|----------------|-------------------|--------------------|---------------|-------------------|
| BA | BAS | 1/2" | 3/16 - 24 | 2.8 | 3/8" - 3-5/8" | 1-7/8" |
| BB | BAS | 1/2" | 1/4 - 20 | 2.5 | 3/8" - 3-5/8" | 1-7/8" |
| BE | | 3/4" | 5/16 - 18 | 2.8 | 3/8" - 2-1/2" | 1-7/8" |
| BC | BCS | 3/4" | 3/8 - 16 | 2.4 | 3/8" - 2-1/2" | 1-7/8" |
| BD | BDS | 3/4" | 1/2 - 13 | 2.25 | 3/8" - 2-1/2" | 1-7/8" |
| BAL* | BALS* | 1/2" | 3/16 - 24 | 2.8 | 2" - 9-1/2" | 1-7/8" |
| BBL* | BBLS* | 1/2" | 1/4 - 20 | 2.5 | 2" - 9-1/2" | 1-7/8" |

*Long straps (L) for roofing and very thick walls or ceilings

Metric

| Steel Style | Stainless Style | Drill Bit Dia. | Thread Size (ISO) | Threads Per Anchor | Grip Range | Minimum Clearance |
|-------------|-----------------|----------------|-------------------|--------------------|------------|-------------------|
| BM5 | BM5S | 13mm | M5 x 0.8 | 3.8 | 10-92mm | 48mm |
| BM6 | BM6S | 13mm | M6 x 1.0 | 3.1 | 10-92mm | 48mm |
| BM8 | BM8S | 19mm | M8 x 1.25 | 3.1 | 10-64mm | 48mm |
| BM10 | BM10S | 19mm | M10 x 1.5 | 2.75 | 10-64mm | 48mm |
| BM5L* | BM5LS* | 13mm | M5 x 0.8 | 3.8 | 51-240mm | 48mm |
| BM6L* | BM6LS* | 13mm | M6 x 1.0 | 3.1 | 51-240mm | 48mm |

*Long straps (L) for roofing and very thick walls or ceilings



C = 1-7/8" (48mm)

BL = T + W + 1/2" (13mm)

[For min. W & max. W, see "Grip Range" at left]

Performance Data

Ultimate Tensile Pull-Out Values (lbs.)

| Anchor Type | Thread Size (UNC) | Drill Bit Dia. | 1/2" Drywall | 5/8" Drywall | *1/2" With 25 Gauge Stud | *5/8" With 25 Gauge Stud | Concrete Block | 1/2" Steel Plate | Stainless In 1/2" Steel ³ |
|-------------|-------------------|----------------|--------------|--------------|--------------------------|--------------------------|----------------------|--------------------|--------------------------------------|
| BA | 3/16 - 24 | 1/2" | 238 | 356 | 412 | 462 | 802 | 918 ¹ | 1,193 ¹ |
| BB | 1/4 - 20 | 1/2" | 265 | 356 | 425 | 464 | 1,080 | 1,288 ² | 1,735 ¹ |
| BE | 5/16 - 18 | 3/4" | 270 | 480 | 439 | 480 | 1,400 | 1,680 | 2,118 |
| BC | 3/8 - 16 | 3/4" | 275 | 576 | 466 | 576 | 1,745 | 1,692 | 2,523 ¹ |
| BD | 1/2 - 13 | 3/4" | 275 | 576 | 468 | 576 | **2,038 ² | 2,605 | 3,150 |

* Failure measured as breakage of drywall portion

** Failure of block

¹ Stainless steel bolts used

² Hardened bolts used

³ Stainless steel channel tested with stainless bolts in 1/2" steel plate

Ultimate Shear (lbs.)

| Anchor Type | Thread Size (UNC) | Drill Bit Dia. | 1/2" Drywall | 5/8" Drywall |
|-------------|-------------------|----------------|--------------|--------------|
| BA | 3/16 - 24 | 1/2" | 247 | 298 |
| BB | 1/4 - 20 | 1/2" | 241 | 324 |
| BC | 3/8 - 16 | 3/4" | 292 | 406 |

Notes:

- 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.

Order Information



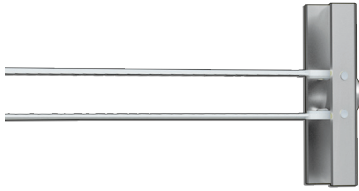
Zinc-Plated Carbon Steel Channels

| Catalog Number | Style | Drill Dia. (in.) | Thread Size | Bolts Included* | Grip Range (in.) | Box/Bag (pcs.) | Master Carton (pcs.) |
|----------------|------------------|------------------|-------------|-----------------|------------------|----------------|----------------------|
| 24013 | BA | 1/2 | 3/16-24 | - | 3/8 - 3-5/8 | 100 | 1000 |
| 24100 | BA | 1/2 | 3/16-24 | Round Head | 3/8 - 3-5/8 | 100 | 1000 |
| 24150 | BA | 1/2 | 3/16-24 | Flat Head | 3/8 - 3-5/8 | 100 | 1000 |
| 55150 | BA | 1/2 | 3/16-24 | Round Head | 3/8 - 3-5/8 | 30 | 150 |
| 25013 | BA | 1/2 | 3/16-24 | - | 3/8 - 3-5/8 | 50 | 500 |
| 50375 | BA | 1/2 | 3/16-24 | Round Head | 3/8 - 3-5/8 | 10 | 120 |
| 50350 | BA | 1/2 | 3/16-24 | Round Head | 3/8 - 3-5/8 | 2 | 200 |
| 24014 | BB | 1/2 | 1/4-20 | - | 3/8 - 3-5/8 | 100 | 1000 |
| 24200 | BB | 1/2 | 1/4-20 | Round Head | 3/8 - 3-5/8 | 100 | 500 |
| 24250 | BB | 1/2 | 1/4-20 | Flat Head | 3/8 - 3-5/8 | 100 | 500 |
| 55175 | BB | 1/2 | 1/4-20 | Round Head | 3/8 - 3-5/8 | 30 | 150 |
| 25014 | BB | 1/2 | 1/4-20 | - | 3/8 - 3-5/8 | 50 | 500 |
| 50425 | BB | 1/2 | 1/4-20 | Round Head | 3/8 - 3-5/8 | 10 | 120 |
| 50400 | BB | 1/2 | 1/4-20 | Round Head | 3/8 - 3-5/8 | 2 | 200 |
| 21017 | BE | 3/4 | 5/16-18 | - | 3/8 - 2-1/2 | 25 | 250 |
| 21015 | BC | 3/4 | 3/8-16 | - | 3/8 - 2-1/2 | 25 | 250 |
| 21016 | BD | 3/4 | 1/2-13 | - | 3/8 - 2-1/2 | 25 | 250 |
| 25029 | BM5 Metric | 1/2 | M5 (5 mm) | - | 3/8 - 3-5/8 | 50 | 500 |
| 25024 | BM6 Metric | 1/2 | M6 (6 mm) | - | 3/8 - 3-5/8 | 50 | 500 |
| 21031 | BM8 Metric | 3/4 | M8 (8 mm) | - | 3/8 - 2-1/2 | 25 | 250 |
| 21035 | BM10 Metric | 3/4 | M10 (10 mm) | - | 3/8 - 2-1/2 | 25 | 250 |
| 21049 | BAL Long | 1/2 | 3/16-24 | - | 3/8 - 9-1/2 | 50 | 250 |
| 21050 | BBL Long | 1/2 | 1/4-20 | - | 3/8 - 9-1/2 | 50 | 250 |
| 21064 | BM5L Metric Long | 1/2 | M5 (5 mm) | - | 3/8 - 9-1/2 | 50 | 250 |
| 21025 | BM6L Metric Long | 1/2 | M6 (6 mm) | - | 3/8 - 9-1/2 | 50 | 250 |

* All included bolts are 2-1/2" long



Order Information



304 Stainless Steel Channels

| Catalog Number | Style | Drill Dia. (in.) | Thread Size | Bolts Included* | Grip Range (in.) | Box/Bag (pcs.) | Master Carton (pcs.) |
|----------------|-------------------|------------------|-------------|-----------------|------------------|----------------|----------------------|
| 24020 | BAS | 1/2 | 3/16-24 | – | 3/8 – 3-5/8 | 100 | 1000 |
| 25020 | BAS | 1/2 | 3/16-24 | – | 3/8 – 3-5/8 | 50 | 500 |
| 50435 | BAS | 1/2 | 3/16-24 | Round Head | 3/8 – 3-5/8 | 2 | 200 |
| 24021 | BBS | 1/2 | 1/4-20 | – | 3/8 – 3-5/8 | 100 | 1000 |
| 25021 | BBS | 1/2 | 1/4-20 | – | 3/8 – 3-5/8 | 50 | 500 |
| 50440 | BBS | 1/2 | 1/4-20 | Round Head | 3/8 – 3-5/8 | 2 | 200 |
| 21022 | BCS | 3/4 | 3/8-16 | – | 3/8 – 2-1/2 | 25 | 250 |
| 21023 | BDS | 3/4 | 1/2-13 | – | 3/8 – 2-1/2 | 25 | 250 |
| 25030 | BM5S Metric | 1/2 | M5 (5 mm) | – | 3/8 – 3-5/8 | 50 | 500 |
| 25026 | BM6S Metric | 1/2 | M6 (6 mm) | – | 3/8 – 3-5/8 | 50 | 500 |
| 21032 | BM8S Metric | 3/4 | M8 (8 mm) | – | 3/8 – 2-1/2 | 25 | 250 |
| 21036 | BM10S Metric | 3/4 | M10 (10 mm) | – | 3/8 – 2-1/2 | 25 | 250 |
| 21059 | BALS Long | 1/2 | 3/16-24 | – | 3/8 – 9-1/2 | 50 | 250 |
| 21060 | BBLS Long | 1/2 | 1/4-20 | – | 3/8 – 9-1/2 | 50 | 250 |
| 21065 | BM5LS Metric Long | 1/2 | M5 (5 mm) | – | 3/8 – 9-1/2 | 50 | 250 |
| 21061 | BM6LS Metric Long | 1/2 | M6 (6 mm) | – | 3/8 – 9-1/2 | 50 | 250 |

* All included bolts are 2-1/2" long

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