

# SNAPTOGGLE® Heavy-Duty Toggle Bolts

**TOGGLER®**  
HIGH-PERFORMANCE ANCHORS™

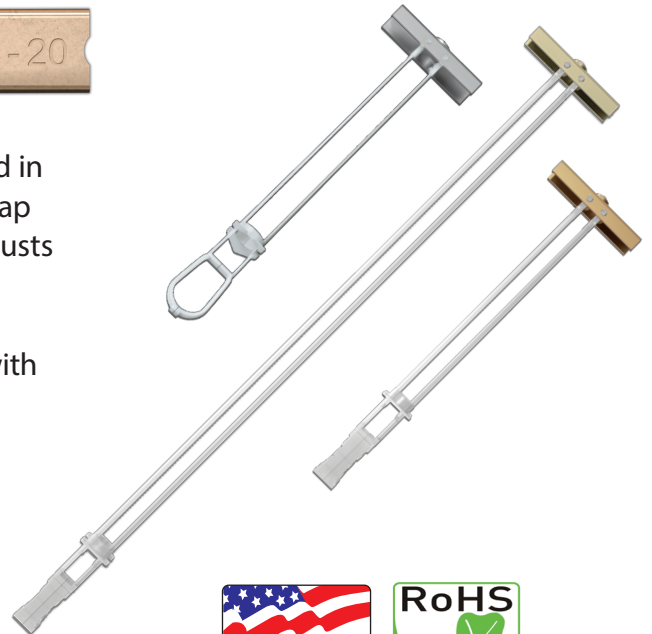


## Description

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

## 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

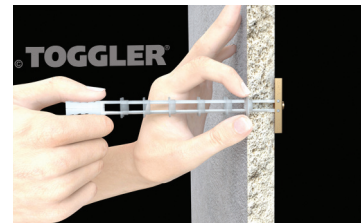
## Installation Information



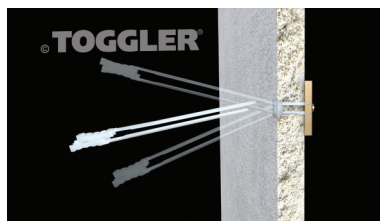
1. Slide metal channel into the pre-drilled hole



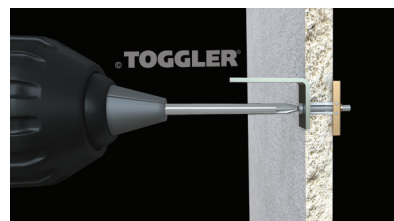
2. Hold ends of straps and pull toward you until channel rests flush behind wall or ceiling



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

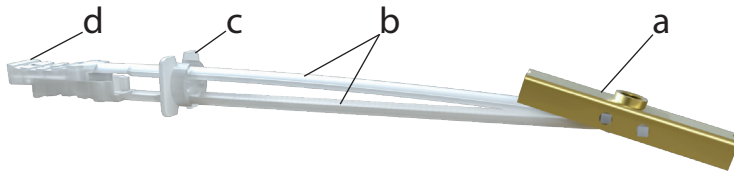


5. Place item over flange. Insert bolt through item and tighten until flush against item, then stop



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**

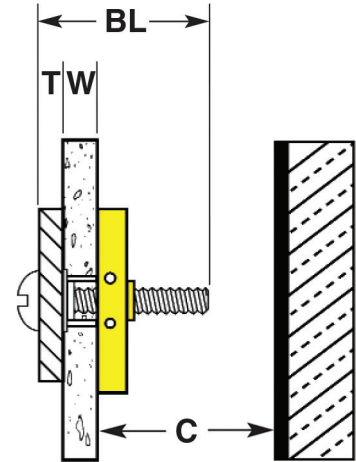
Steel Style	Stainless Style	Drill Bit Dia.	Thread Size (UNC)	Threads Per Anchor	Grip Range	Minimum Clearance
BA	BAS	1/2"	3/16 - 24	2.8	3/8" - 3-5/8"	1-7/8"
BB	BAS	1/2"	1/4 - 20	2.5	3/8" - 3-5/8"	1-7/8"
BE		3/4"	5/16 - 18	2.8	3/8" - 2-1/2"	1-7/8"
BC	BCS	3/4"	3/8 - 16	2.4	3/8" - 2-1/2"	1-7/8"
BD	BDS	3/4"	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 <sup>3</sup>
BA	3/16 - 24	1/2"	238	356	412	462	802	918 <sup>1</sup>	1,193 <sup>1</sup>
BB	1/4 - 20	1/2"	265	356	425	464	1,080	1,288 <sup>2</sup>	1,735 <sup>1</sup>
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 <sup>1</sup>
BD	1/2 - 13	3/4"	275	576	468	576	**2,038 <sup>2</sup>	2,605	3,150

\* Failure measured as breakage of drywall portion

\*\* Failure of block

<sup>1</sup> Stainless steel bolts used

<sup>2</sup> Hardened bolts used

<sup>3</sup> 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



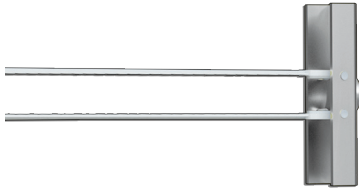
### Zinc-Plated Carbon Steel Channels

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	–	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	–	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

**For more information, please contact:**



**Divisions of Mechanical Plastics Corp.**

110 Richards Avenue • Norwalk, CT 06854

**Phone: 203-857-2200**

**Fax: 203-857-2201 • E-mail: sales@toggler.com**

**www.toggler.com • www.wejit.com**

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