



The following excerpt are pages from the North American Anchor Fastening Technical Guide, 2011.

Contact Hilti's team of technical support specialists between the hours of 7:00am – 6:00pm CST for complete details on this product including data development, product specifications, general suitability, installation, corrosion and spacing and edge distance guidelines.

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HTB TOGGLER® Bolt 3.3.16

3.3.16.1 Product Description

The Hilti HTB TOGGLER® Bolt fastening system consists of a metal channel threaded to accept a machine bolt, and unique plastic legs and locking cap for fastening in a wide range of hollow-wall materials.

Product Features

- Unique installation legs and locking cap facilitate fastening in wide range of drywall and hollow wall materials up to 2-1/4" thick
- One piece metal channel provides greater holding power
- Plastic pull ring assists in setting lock cap
- Anchor is adjustable for various base material thicknesses providing easier installation as well as minimizing inventory investment
- Remains mounted in the wall without screw for convenient handling, installation and reuse
- Available in stainless steel and carbon steel for different environments
- Comprehensive offering with and without machine screws

3.3.16.1 Product Description

3.3.16.2 Material Specifications

3.3.16.3 Technical Data

3.3.16.4 Installation Instructions

3.3.16.5 Ordering Information

3.3.16.2 Material Specifications

Zinc plated metal channel material meets the requirements for AISI 1010 steel

3.3.16.3 Technical Data

HTB TOGGLER® Bolt Allowable Loads¹

Toggler Bolt Size in.	Hole Dia. in.	1/2" Drywall		5/8" Drywall		Hollow Concrete Block	
		Tension lb (N)	Shear lb (N)	Tension lb (N)	Shear lb (N)	Tension lb (N)	Shear lb (N)
3/16	1/2	30 (133)	70 (311)	45 (200)	95 (423)	140 (623)	160 (712)
1/4	1/2	35 (155)	85 (378)	50 (222)	105 (467)	160 (712)	240 (1068)
3/8	3/4	35 (155)	70 (311)	50 (222)	105 (467)	200 (890)	380 (1690)
1/2	3/4	35 (155)	85 (378)	50 (222)	110 (489)	240 (1068)	420 (1868)

¹ Based on using a safety factor of 4.0.

TOGGLER® is the registered trademark of Mechanical Plastics Corp.



3/16" & 1/4"

3/8" & 1/2"

3.3.16.4 Installation Instructions

Installation Instructions For Use (IFU) are included with each product package. They can also be viewed or downloaded on-line at www.us.hilti.com (US) and www.hilti.ca (Canada) -- "Service/Technical Info >> Technical Downloads >> Anchoring Systems". Because of the possibility of changes, always verify that downloaded IFU are current when used. Proper installation is critical to achieve full performance. Training is available on request. Contact Hilti Technical Services for applications and conditions not addressed in the IFU.

3.3.16.5 Ordering Information

Description	Machine Screw Dia. (In.)	Machine Screw Length (In.)	Bit Dia. (in.) ¹	Box Qty
HTB TOGGLER® Bolt 3/16" with SRH screw ¹	3/16	2-1/2	1/2	100
HTB TOGGLER® Bolt 3/16" with PFH screw ²	3/16	2-1/2	1/2	100
HTB TOGGLER® Bolt 3/16" w/o screw ³	3/16	-	1/2	100
HTB TOGGLER® Bolt 1/4" with SRH screw ¹	1/4	2-1/2	1/2	100
HTB TOGGLER® Bolt 1/4" with PFH screw ²	1/4	2-1/2	1/2	100
HTB TOGGLER® Bolt 1/4" w/o screw ³	1/4	-	1/2	100
HTB TOGGLER® Bolt 3/8" with SRH screw ¹	3/8	2-1/2	3/4	25
HTB TOGGLER® Bolt 3/8" w/o screw ³	3/8	-	3/4	25
HTB TOGGLER® Bolt 1/2" with SRH screw ¹	1/2	2-1/2	3/4	25
HTB TOGGLER® Bolt 1/2" w/o screw ³	1/2	-	3/4	25

¹ Round Head (Combination Slotted/Phillips)

² Phillips Flat Head

³ Machine screws not included

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