

# Poly-Toggle® Plastic Hollow Wall Anchor

# **PRODUCT DESCRIPTION**

The Poly-Toggle is a screw actuated hollow wall anchor for use in paneling, wallboard, and solid masonry. The Poly-Toggle anchor is available in 6 sizes to match the most common wall thicknesses of hollow base materials. In solid base materials, the anchor can be used by removing the outer wings.

## **FEATURES AND BENEFITS**

- Allows for fixture and screw removal and re-anchoring
- Federal GSA Specification Meets the descriptive requirements of FF-B-588D, Type IV (superseded)

## **MATERIAL SPECIFICATIONS**

Anchor Component	Component Material		
Anchor Body	Engineered Plastic		
Screw	Carbon Steel – ANSI 18.6.4		
Screw Plating	ASTM B633, SC1, Type III, (Zn/Fe 5)		

#### INSTALLATION SPECIFICATIONS

	Anchor Size							
Dimension	Mini	Short	Medium	Long	Extra Long	Super Long		
ANSI Drill Bit Size, d <sub>bit</sub> (in.)	5/16	5/16	5/16	5/16	5/16	5/16		
Minimum Screw Length (in.)	1	1 1/4	1 1/4	1 1/2	1 3/4	2		
Screw Size Range	No. 6-12	No. 6-12	No. 6-12	No. 6-12	No. 6-12	No. 6-12		
Flange Size (in.)	29/64	1/2	1/2	1/2	1/2	1/2		
Embed. (Solid Materials) (in.)	5/8	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4		

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Poly-Toggle

#### **ANCHOR MATERIALS**

**Engineered Plastic** 

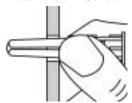
### **ANCHOR SIZE RANGE (TYP.)**

No. 6 to No.12 Wall Thickness from 1/8" to 1"

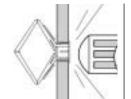
#### **SUITABLE BASE MATERIALS**

Solid Base Materials Wallboard Hollow Concrete Masonry

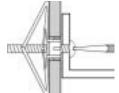
#### **Installation Guidelines**



Drill 5/16" diameter hole through base material. Select the proper size Poly-Toggle based on the wall thickness. Squeeze the Poly-Toggle flat and push into the hole.



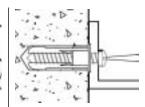
Tap the Poly-Toggle through the wall until the flange is seated flush against the outer wall.



Position the fixture, insert the screw through the fixture into the Poly-Toggle, and tighten until it feels secure.



Solid Base Materials - For installations in solid base materials, break off the outer wings.



Squeeze the inner wings flat, and insert the Poly-Toggle into the anchor hole. Insert the screw through the fixture and tighten.



## PERFORMANCE DATA

# Ultimate Load Capacities for Poly-Toggle in Wallboard and Concrete Block<sup>1,2</sup>

Anchor	Drill Bit	Wall	Wallboard				Concrete Block			
Size	Diameter	Thickness	Ultimate Load		Allowable Load		Ultimate Load		Allowable Load	
	<b>d</b> <sub>bit</sub> <b>in</b> . (mm)	in. (mm)	<b>Tension</b> Ibs. (kN)	<b>Shear</b> Ibs. (kN)	Tension lbs. (kN)	Shear Ibs. (kN)	Tension lbs. (kN)	<b>Shear</b> Ibs. (kN)	Tension lbs. (kN)	Shear Ibs. (kN)
Mini	<b>5/16</b> (7.9)	1/8 (3.2)	<b>120</b> (0.5)	<b>100</b> (0.5)	<b>30</b> (0.1)	<b>25</b> (0.1)	-	-	-	-
Short	<b>5/16</b> (7.9)	3/8 (9.5)	135 (0.6)	<b>165</b> (0.7)	<b>35</b> (0.2)	<b>40</b> (0.2)	240 (1.1)	<b>220</b> (1.0)	<b>60</b> (0.3)	55 (0.2)
Medium	<b>5/16</b> (7.9)	1/2 (12.7)	<b>150</b> (0.7)	<b>220</b> (1.0)	<b>40</b> (0.2)	<b>55</b> (0.2)	<b>280</b> (1.3)	<b>230</b> (1.0)	<b>70</b> (0.3)	<b>60</b> (0.3)
Long	<b>5/16</b> (7.9)	<b>5/8</b> (15.9)	170 (0.8)	250 (1.1)	<b>45</b> (0.2)	<b>65</b> (0.3)	<b>350</b> (1.6)	<b>230</b> (1.0)	<b>90</b> (0.4)	<b>60</b> (0.3)
Extra Long	<b>5/16</b> (7.9)	3/4 (19.1)	180 (0.8)	250 (1.1)	<b>45</b> (0.2)	<b>65</b> (0.3)	<b>400</b> (1.8)	240 (1.1)	<b>100</b> (0.5)	<b>60</b> (0.3)
Super Long	<b>5/16</b> (7.9)	1 (25.4)	220 (1.0)	250 (1.1)	55 (0.2)	<b>65</b> (0.3)	<b>450</b> (2.0)	250 (1.1)	115 (0.5)	<b>65</b> (0.3)

**SPECIFICATION & DESIGN MANUAL** 

## ORDERING INFORMATION

## **Poly-Toggle**

Cat. No.	Anchor Size	Wall Thickness	Screws	Standard Box	Standard Carton	Wt./ 1,000
2302	Mini	1/8"	_	100	1,000	3
2303	Short	3/8"	_	100	1,000	5
2304	Medium	1/2"	_	100	1,000	5
2305	Long	5/8"	_	100	1,000	6
2306	Extra Long	3/4"	_	100	1,000	7
2307	Super Long	1"	_	100	1,000	8



<sup>1.</sup> The values listed above are ultimate load capacities which should be reduced by a minimum safety factor of 4.0 or greater to determine the allowable working load.

<sup>2.</sup> The load capacities for this product depend on the integrity of the base material in which it is installed. The anchor is recommended for light duty static applications where holding power is not a critical factor. This anchor is not recommended for use in overhead applications.