

GENERAL INFORMATION

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. These fasteners are not recommended for use overhead or applications where holding values are critical.

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- + Federal GSA Specification – Meets the descriptive requirements of FF-B-588D, Type IV (superseded)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

INSTALLATION SPECIFICATIONS

Dimension	Anchor Size			
	Mini	Short	Medium	Long
Drill Bit Size (in.)	5/16	5/16	5/16	5/16
Minimum Screw Length (in.)	1	1-1/4	1-1/4	1-1/2
Size Range (UNC)	No. 6-12	No. 6-12	No. 6-12	No. 6-12
Flange Size (in.)	29/64	1/2	1/2	1/2
Embed. (Solid Materials) (in.)	5/8	1-1/8	1-1/4	1-3/8

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POLY-TOGGLE

ANCHOR MATERIALS

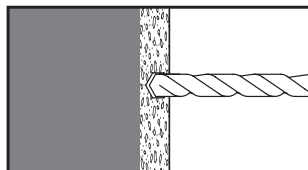
- Engineered Plastic

ANCHOR SIZE RANGE (TYP.)

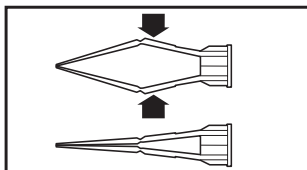
- No. 6 to No. 12 screws
- Wall Thickness from 1/8" to 1"

SUITABLE BASE MATERIALS

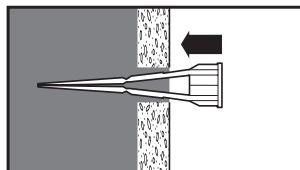
- Solid Base Materials
- Wallboard
- Hollow Concrete Masonry

INSTALLATION GUIDELINES
For Hollow Concrete Masonry


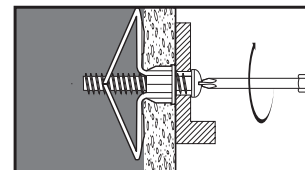
Drill 5/16" diameter hole through base material. Select the proper size Poly-Toggle based on the wall thickness.



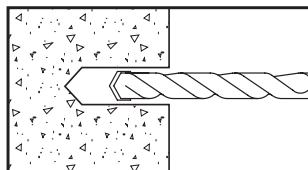
Squeeze the Poly-Toggle flat and push into the hole.



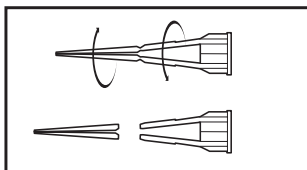
Tap the Poly-Toggle through the wall until the flange is seated flush against the outer wall.



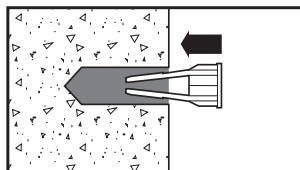
Position the fixture, insert the screw through the fixture into the Poly-Toggle, and tighten until it feels secure.

For Solid Base Materials


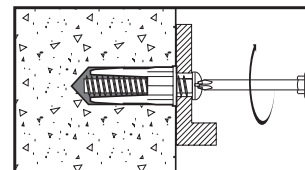
Drill 5/16" diameter hole through base material. Select the proper size Poly-Toggle based on the wall thickness.



Break off the outer wings.



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



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^{1,2}

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

1. Ultimate load capacities are provided for reference and must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working loads.

2. These fasteners are not recommended for use overhead or applications where holding values are critical.

ORDERING INFORMATION

Poly-Toggle

Cat. No.	Anchor Size	Thickness	Box	Carton
2302	Mini	1/8"	100	1,000
2303	Short	3/8"	100	1,000
2304	Medium	1/2"	100	1,000
2305	Long	5/8"	100	1,000



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