

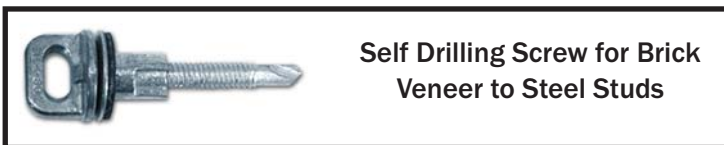
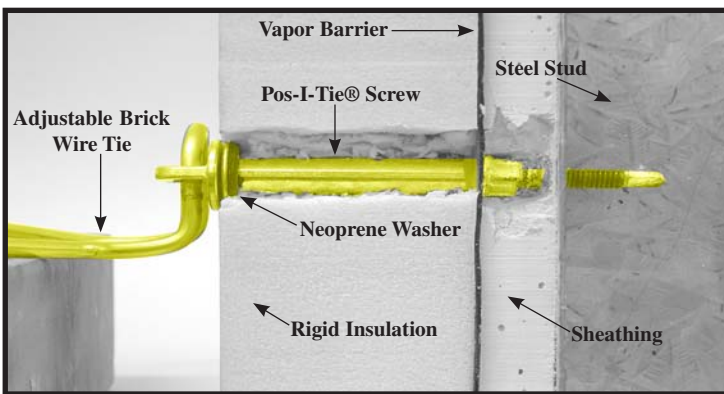


1501 N. 31st Avenue  
 Melrose Park, IL 60160-2911  
 800-621-4140 or 708-865-2403  
 FAX: 708-865-2640  
 www.heckmannanchors.com  
 Email: info@heckmannbuildingprods.com

## ARCHITECTURAL SPECIFICATION INFORMATION

# THE ORIGINAL POS-I-TIE®

U.S. Patent# 4473984 & 4764069 Canada Patent# 1224344



Seven Barrel lengths available for insulation/gypsum board sizes and combinations:  
 1/2" & 5/8", 1", 1-1/2", 2", 2-1/2", 3", and 3-1/2"



The Pos-I-Tie® conforms with the Energy Conservation Requirements of the Massachusetts State Building Code (780 CMR 13 Envelope)

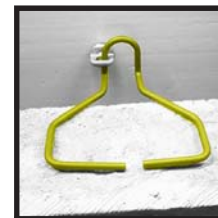
## NO. 75 POS-I-TIE® ADVANTAGES

1. Pos-I-Tie® system fully complies with the ACI 530 Code. The Barrel Screw is one piece. No more plates, screws and gaskets. Installs in seconds.
2. Uses consistent screw. Screw is provided as a part of the Pos-I-Tie® System. - No inferior screws can be substituted.
3. Provides positive connections. The Barrel Section actually penetrates sheathing and makes a Positive Lateral Connection with the backup for transfer of compression and tension loads to structural backup.
4. Enables speedy cost-saving installation. Only one screw needs to be placed, rather than two screws.
5. Corrosion Resistant. Pos-I-Tie® seals the hole it makes when it seats itself in the backup. Barrel section is made of ZAMAC 3, a 92% zinc alloy. Screws are Zinc electro plated.
6. Slotted Barrel allows for differential movement due to temperature variations. Tie design provides for allowable ACI 530 code vertical adjustment.
7. Allows for use of 4' x 8' insulation sheets. The Pos-I-Tie® holds the insulation in place!

**Test Data Available Upon Request**

## WIRE TIES

Ties are 3/16" diameter x 3", 3 1/2", 4", or 5" Long in Hotdip Galvanized, Mill Galvanized and Stainless Steel.



Triangular Wire Tie



Seismic Wire Tie



Single Wire Tie

(Check for local code acceptance of single wire tie.)

Special Lengths available.



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**PART 2 PRODUCTS**

**2.01 MANUFACTURER**

HECKMANN BUILDING PRODUCTS INC.

1501 N. 31ST AVENUE - MELROSE PARK, IL 60160-2911 - (800) 621-4140 or (708) 865-2403 FAX:(708) 865-2640

**2.02 MASONRY VENEER ANCHORS AND TIES**

**A. Veneer Anchors:** Pos-I-Tie® Screw Zinc alloy barrel, flanged head, and eye with interchangeable corrosion resistant self drilling threaded screws appropriate for permanent attachment in [steel studs,] [structural steel,] [concrete,] [masonry] back-up. Barrel shaft in lengths consistent with thickness of materials penetrated (e.g. [insulation] [and] [sheathing], allowing shoulder to seat directly on structural back-up and flanged head to cover fastener hole. [3/4 inch diameter rubber washer under flanged head shall seal surface penetration of anchor.]

**B. Ties:** [Hot Dipped galvanized, 3/16" (0.1875") pregalvanized wire size, conforming to ASTM A 641 or ASTM A 82 with 1.50 oz/sf zinc coating conforming to ASTM A 153 Class B-2] [Mill Galvanized, 3/16" (.0875") wire size, conforming to ASTM A 641 with 0.10 oz/sf zinc coating]. Configure tie to prevent pullout from mortar joints, prevent flow of water to anchor, and allow connection to anchor transferring lateral tension and compression loads without excess mechanical play and deformation. Tie length shall provide not less than 2 inch embedment in mortar joints.

**Architectural Specification**

**EASY INSTALLATION**

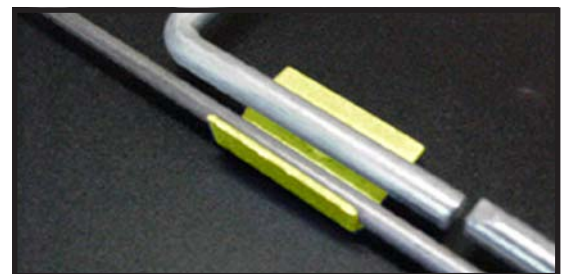
Use a drill with a depth sensitive nose piece or a variable clutch adjustment. The barrel end of the Pos-I-Tie® is placed into the reusable chuck adapter. For steel studs, drill the Pos-I-Tie® through the exterior insulation and into the metal stud. Use a drill with 1500 - 2000 RPM. For structural steel, center punch prior to drilling. (High tensile steel or very thick steel may require pre-drilling a 3/16" (4.76 mm) hole.) For concrete, CMU, or brick, use the Con-Drive® Adapter with drill bit. Pre-drill a 3/16" (4.76 mm) hole to a depth of 2" (51 mm). Slide the Con-Drive® Sleeve over the drill bit and insert the CMU/Concrete Screw into the chuck adapter. Torque screw into the pre-drilled hole. The reusable chuck adapter and sleeve tool are available from Heckmann.



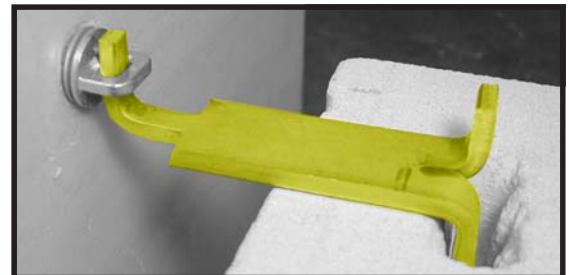
**Chuck Adapter**



**Sleeve Tool**



16 Gage welded **Seismic Hook Tab** available for Single, and Triangle Pos-I-Tie® Wires for areas in Seismic Zones.



**Stainless Steel Pos-I-Tie® Stone Anchors:** Available 3/16" or 1/8" thick. Specify length, width, and bend type (Split-bed shown above, straight bend, or pin type available).

**POS-I-TIE® TECHNICAL SPECIFICATIONS**

**BARREL NUTS**

92% Zamac 3 Zinc Alloy  
 Material Spec: ASTM AC43A SAE 921

**DRIL-IT® SCREWS**

Material Spec: SAE J429 Grade 5.2  
 Heat Treat Spec: SAE J78  
 Plating Spec: ASTM B-633 with thickness modified to .0003 minimum plus wax.

**SELF DRILLING SCREWS**

Material Spec: Carbon Steel (AISC C10B21 or C1022)  
 Heat Treat Spec: Case hardened & tempered. Case Rc 50.5 Min, Core Rc32-39, Case depth .005"-.009)  
 Plating Spec: Parts are coated with a proprietary silver/gray finish which provides in excess of 800 hours of salt spray per ASTM B117.

**CMU/CONCRETE SCREWS**

Material Spec: Carbon Steel (AISC C10B21 or C1022)  
 Heat Treat Spec: Case hardened & tempered. Case Rc 50.5 Min, Core Rc32-39, Case depth .005"-.011)  
 Plating Spec: Parts are coated with a proprietary blue finish which provides in excess of 800 hours of salt spray per ASTM B117.