

#75-KB POS-I-TIE® KeyBolt Stone Veneer Anchoring System  
#274-KB KeyBolt Split Bend Stone Anchor  
#275-ZKB KeyBolt Z Stone Anchor  
#275-UKB KeyBolt U Stone Anchor  
#276-KB KeyBolt Pin Stone Anchor  
#278-KB KeyBolt Welded Plate-Strap Stone Anchor  
#610 Thermal-Grip® Plastic Washers

SECTION 04 00 00 MASONRY  
Section 04 05 19.16 Masonry Anchors  
Section 04 05 19.29 Stone Anchors

## **PART 1: GENERAL**

### 1.1 RELATED SECTIONS

A. Provide shop drawings for all product locations.

### 1.2 SUBMITTALS

A. Manufacturer Certificate of Compliance for materials.

B. Product Data: Manufacturer's data sheet on each type of product furnished.

## **PART 2: MANUFACTURER**

### 2.1 MANUFACTURER

Acceptable Manufacturer:  
Heckmann Building Products  
110 Richards Ave.  
Norwalk, CT 06854-1685  
800-621-4140  
Email: [info@heckmannanchors.com](mailto:info@heckmannanchors.com)  
Website: [www.heckmannanchors.com](http://www.heckmannanchors.com)

### 2.2 APPLICATIONS

A. Stainless Steel AISI [Type 304] [or] [Type 316]

B. ASTM A240/A240M-15b Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Application.

C. ASTM A666-15 Standard Specification for Annealed or Cold-Worked

Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

D. ASTM A580/A580M-15 Standard Specification for Stainless Steel Wire

## 2.3 MATERIALS

- A. **Barrel Anchors for Backup** – Heckmann No. 75-KB Pos-I-Tie® KeyBolt one-piece barrel screw consisting of a Type 304 Stainless Steel barrel, stainless/EPDM washer, and two hex nuts for attaching keyslot stone anchors. Designed to seat barrel directly on structural portion of backup, with EPDM washer sealing the fastener hole.

1. Anchors to Concrete/CMU/Wood backup

**NO. 75-KB POS-I-TIE® KEYBOLT CONCRETE/CMU/WOOD BARREL SCREW**

[75KBSACON – 2" for sheathing 5/8"-1-1/4"]

[75KBSBCON – 2-5/8" for sheathing 1-1/4" – 2"]

[75KBSCCON – 3-1/8" for sheathing 2" – 2-1/2"]

[75KBSDCON – 3-5/8" for sheathing 2-1/2" – 3"]

[75KBSECON – 4-1/8" for sheathing 3" – 3-1/2"]

[75KBSFCON – 4-5/8" for sheathing 3-1/2" – 4"]

[75KBSGCON – 5-1/8" for sheathing 4" – 4-1/2"]

[75KBSHCON – 5-5/8" for sheathing 4-1/2" – 5"]

2. Anchors to Steel Stud (18 gage – 12 gage) backup

**NO. 75-KB POS-I-TIE® KEYBOLT SELF-DRILLING STEEL STUD BARREL SCREW**

[75KBSA – 2" for sheathing 5/8"-1-1/4"]

[75KBSB – 2-5/8" for sheathing 1-1/4" – 2"]

[75KBSC – 3-1/8" for sheathing 2" – 2-1/2"]

[75KBSD – 3-5/8" for sheathing 2-1/2" – 3"]

[75KBSE – 4-1/8" for sheathing 3" – 3-1/2"]

[75KBSF – 4-5/8" for sheathing 3-1/2" – 4"]

[75KBSG – 5-1/8" for sheathing 4" – 4-1/2"]

[75KBSH – 5-5/8" for sheathing 4-1/2" – 5"]

- B. **Stone Anchors** – All Type 304 Stainless Steel

Keyslot for attachment to the barrel screw is 1-3/8" high with an 11/16" opening for installation to the KeyBolt narrowing down to 7/16" for a vertical adjustment of 7/16". Keyslot bend minimum 1-1/2" wide x 2-1/4" high.

1. **#274-KB KeyBolt Split-Bend Stone Anchor**

Gage [14] [12] [1/8] [3/16"] [1/4"], [width (minimum 1-3/4")] [length (od)] [keyslot bend length (od) (minimum 2-1/4")] [split-bend length (od)]

2. **#275-UKB KeyBolt U-Type Anchor**

**#275-ZKB KeyBolt Z-Type Anchor**

Gage [14] [12] [1/8] [3/16"] [1/4"], [width (minimum 1-3/4")] [length (od)] [keyslot bend

length (od) (minimum 2-1/4") ] [bend length (od)

**3. #276-KB KeyBolt Pin-Type Anchor**

Gage [14] [12] [1/8] [3/16"] [1/4"], [width (minimum 1-3/4")] [length (od)] [keyslot bend length (od) (minimum 2-1/4") ] [pin diameter] [pin length] [center of pin to end of anchor] Pin[welded][loose]

**#278-KB KeyBolt Welded Plate-Strap Stone Anchor**

Gage [14] [12] [1/8] [3/16"] [1/4"], [width (minimum 1-3/4")] [length (od)] [keyslot bend length (od) (minimum 2-1/4") ] [welded plate height]

**C. 610 Thermal-Grip® Plastic Washers**

1. 2" diameter

**PART 3: EXECUTION**

**A. KeyBolt Barrel Screws**

1. Self-Drilling Screw: Use a standard drill with a variable clutch adjustment and a 5/16" hex driver. Place the hex end of the barrel in the driver; drill through the gypsum board and into the metal stud. No pre-drilling is required.
2. Concrete/CMU Screw: Use a standard hammer drill with a 3/16" (4.76 mm) masonry drill bit. Set the drill to Hammer mode and drill a 2" deep hole into the backup. Using a drill with a 5/16" hex driver in non-hammer mode, place the hex end of the barrel in the driver. Drill the screw into the hole.
3. For all KeyBolt Barrels tighten the inner nut so the EPDM washer is dimpled into the insulation.

**B. Stone Anchors**

1. Place the KeySlot between the two nuts on the barrel screw and slide the anchor down into the stone.
2. Tighten the outer nut firmly to hold the anchor in place.

**C. 610 Thermal-Grip® Plastic Washers**

1. Pre-spot washer to stud backup pushing the installation prongs into the insulation.
2. Drill the Pos-I-Tie® KeyBolt Barrel Screw through the washer into the backup.

End of Section