

## ARCHITECTURAL SPECIFICATION INFORMATION

# Drill Bolt™

## Brick Veneer Anchoring System

2 lengths available for sheathings up to 4-1/2" (114mm) thick.

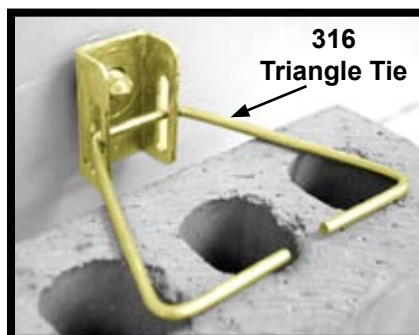
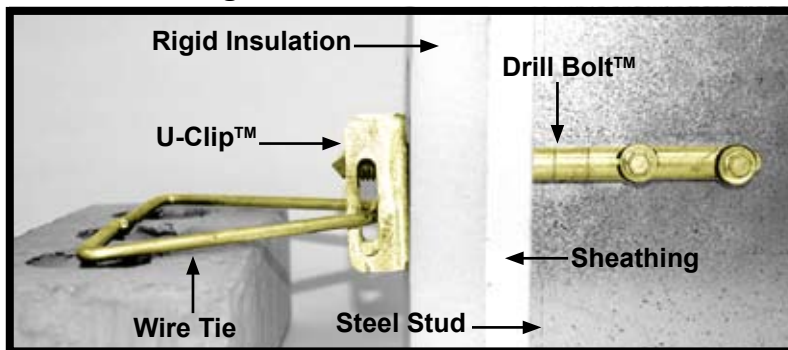
Drill Bolts™ are 1/2" thick (12.7mm) in diameter.

U-Clip is 14 gage.

Drill Bolt™ and U-Clip™ are Hotdip Galvanized after fabrication in compliance with ASTM A153 requirement of 1.5 oz/ft<sup>2</sup>/side (CSA CAN-A370-04 requirement of 460g/m<sup>2</sup>/side) of zinc coating.

Drill Bolt™ and U-Clip™ complies with level 1 and 2 of corrosion protection requirements, as defined in CSA A370

### Patent Pending



### No. 316 Triangle Ties:

3/16" dia. (4.76 mm) wire.  
Closed end is 1-1/2" (38 mm) wide.

Standard Lengths are 3" (76 mm), 4" (102 mm), 5" (127 mm), 7" (178 mm), 9" (229 mm), and 11" (279 mm).

## Drill Bolt™ Features:

### Complies Fully with Canadian and US Building Codes

- Drill Bolt™ is attached to the side of the stud; the connecting screws are stressed in shear.
- Load resistance exceeds the requirements of CSA A370 and ACI 530 .
- Free play in the system and the total deflection under working load of 0.45KN are less than the allowed by CSA A370.
- All parts are hot dipped galvanized after fabrication per CSA A370 and ACI 530.

### Rigid Insulation Integrity Remains Uninterrupted

- The Drill Bolt™ creates a very tight penetration without disturbing adjacent sheathing and insulation.
- U-Clip™ adjusts rotationally from outside to seal the penetration and positively retain the insulation in place.
- U-Clip™ slot can be installed up or down to allow total vertical adjustment of 2 3/4" (70 mm).

### Quick & Easy Installation

- The Drill Bolt™ installs with a power drill; the cutting point will penetrate through the sheathing and insulation from inside.
- The Drill Bolt™ is equipped with a hex head matching the screw hex head so that only one tool is used.
- The Drill bolt™ is notched to indicate the depth of insertion required.



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## **Installation Instructions for the Drill Bolt™ to Steel Studs**

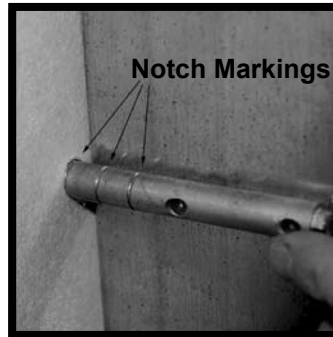
- Installs from the interior of the building using power drill.
- Cleanly drills through the sheathing - does not require cutting the sheathing.
- Notch markings on the bolt designate depth of penetration for various sheathing thickness.
- Adjustable U-Clip™ seals the hole and allows for vertical adjustment of wire tie.
- U-Clip™ slot can be installed up or down for a total range of 2-3/4" (69mm) of vertical adjustment.



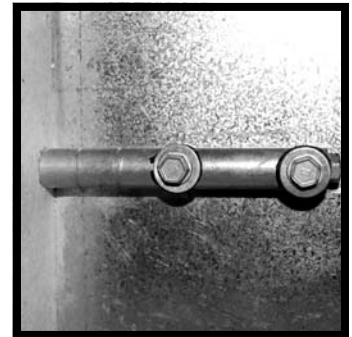
Use a 5/16" Hex Nut Driver in a power drill



From the inside of the building, drill thru the sheathing



Stop at the appropriate mark for your sheathing thickness



secure the Drill Bolt™ to the metal stud with self-drilling/self-tapping steel stud screws



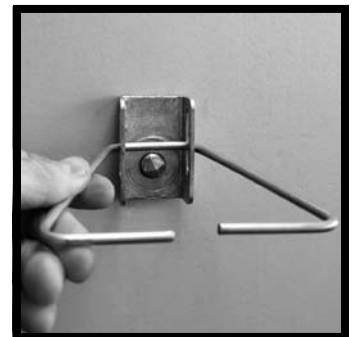
Drill Bolt™ on Exterior wall



Attach the U-Clip™ to the Drill Bolt™



Turn the U-Clip™ until it is flush with the insulation



Insert wire tie for placement in brick veneer joint