



Heckmann Building Products Inc.

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SUBMITTAL SHEET: #196 CORRUGATED TYPE COLUMN ANCHOR

Standard Size: 1/8" x 2" wide x 7" long with 4 1/2" of corrugation. Flange slot is 5/8" wide x 1" deep and it starts 1" from end. Order by piece, anchors are reversible for left or right hand use. Available in Mill Galvanized, Hotdip Galvanized After Fabrication, and Stainless Steel.

Custom sizes available. Specify thickness, length, width, length of corrugation, size and location of slot, and steel type.

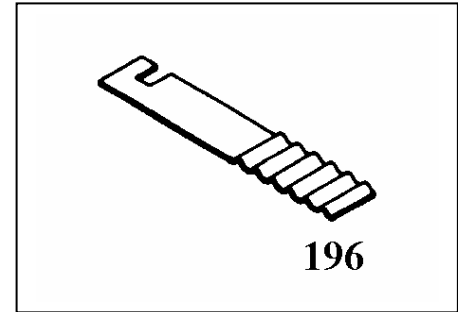
Test Data: Tested for failure of the notch only

TEST CONDITIONS: Anchors were tested in pairs, one left and one right. A holding fixture of 1/2" (12.7mm) thick x 4" (101.6mm) wide flat stock was fabricated to simulate a WF Steel Beam. The load was applied to the fixture through an eye bolt attached to a holding bracket designed to allow approximately 1/2" (12.7mm) of straightening of the bend on the anchors, and then brace the bend section to allow failure to occur at the slots. The anchors were tested to failure at a rate of 0.75"/minute (19.05mm/minute).

5/8" x 1" (15.875mm x 25.4mm) Slot: Load increased to 6,150 lbs. The left bracket slot spread and cracked, causing it to slide off the holding fixture. The right bracket slot had a visible spread.

3/4" x 1" (19.05mm x 25.4mm) Slot: Load increased to 6,350 lbs. Same failure as above with a slight crack on the right slot also.

(Visible straightening was noted at the bend section on both samples at approximately 1,500 to 2,000 lbs.)



Stainless Steel:

Sheet metal anchors and ties: ASTM A 167 AISI Type 304.

Plate and bent bar anchors: ASTM A 666 AISI Type 304.

Wire ties and anchors: ASTM A 580 AISI Type 304.

Hotdip Galvanized:

ASTM A 153 Class B-2: (1.50 oz/ ft²)(0.46kg/m²)

Mill Galvanized:

Sheet metal anchors and ties: ASTM A 653 G60

Wire: ASTM A 641 (0.1 oz/ ft².)

Plain Steel:

Sheet Metal anchors and ties: ASTM A 569, ASTM A 366.

Plates, bars, and shapes: ASTM A 123, ASTM A 36.

Wire: ASTM A 82, ASTM A 82-95a.

Firewall Anchors:

Rolled Strip Zinc Alloy 710.

(Firewall alloy 1/8" and 16 gage only)

Approvals:

Comments: