



## *CAIN "POINTER" INSULATION FASTENER*

### WELDED INSULATION FASTENERS

#### SPECIFICATIONS

##### SHANK:

The "Pointer" shank is made from 9 gauge (0.135" / 0.141") diameter wire with 0.0002" - 0.0003" zinc plating.

##### WASHER:

Available with Flat  
or Cupped Heads

The washer (1" diameter) is mechanically fixed in the fastener and is made of 0.016" - 0.018" ASTM 924/653 galvanized steel. The washer is designed to depress the surface of the insulation without tearing or cutting the insulation. The washer does not protrude into the air stream to create noise or interfere with air movement in the duct.

##### TEMPERATURE RANGE:

Pointers function properly over normally accepted temperature ranges. They are not affected by duct work temperatures from -20 degrees F to 550 degrees F.

##### CORROSION RESISTANCE:

Cain Pointers are manufactured steel pins, plated with a 0.0002" - 0.0003" zinc coating. The pins have a sharp rolled point that easily penetrate the insulation for ease of welding to the duct work. Washers are 0.016" - 0.018" G 90 / G 60 galvanized steel mechanically fixed to the fasteners.

##### VIBRATIONS:

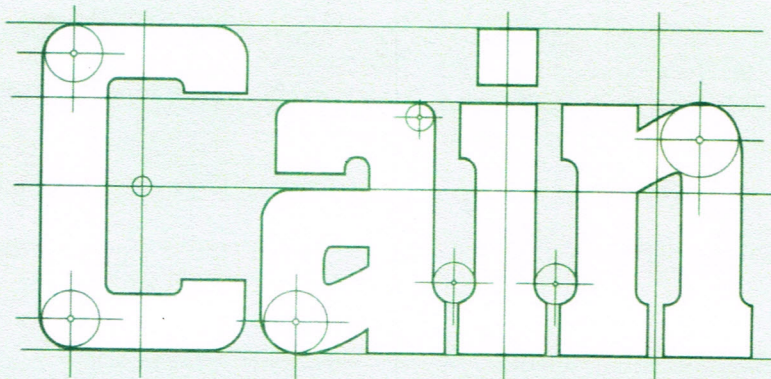
Pointers will not fatigue or be physically affected by vibrations normally found in high velocity air handing systems. The "Pointer" is unsurpassed in holding power because it becomes part of the material to which it is welded. In test by independent testing laboratories, welded fastener samples exhibited a holding power strength averaging 3 times that of hammer-on fasteners.

##### APPROVALS:

Cain Pointers are manufactured in the U.S.A. and meet or exceed Sheet Metal and Air Conditioning Contractors National Association (SMACNA) standards as published in HVAC Standards, January 1985.

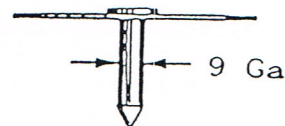
*SAFETY GLASSES MUST BE WORN WHEN APPLYING FASTENERS*

REVISED JULY 21, 2000



## POINTERS

The Premium Quality  
Weld Fastener  
9 ga. (.140")



PART NO.	LENGTH	PACK	WGT / M	RECOMMENDED USE
LF CWF 50	½"	1/m	6.50 lbs	For ½" - 2# DUCT LINER
LF CWF 50B	½"	5/m	6.50 lbs	For ½" - 2 # DUCT LINER
LF CWF 100	¾"	1/m	7.65 lbs	For 1" - 1 ½# DUCT LINER
LF CWF 100B	¾"	5/m	7.65 lbs	For 1" - 1 ½# DUCT LINER
LF CWF 150	1"	1/m	8.65 lbs	For 1" - 3 # DUCT LINER
LF CWF 150B	1"	5/m	8.65 lbs	For 1" - 3 # DUCT LINER
LF CWF 175	1 1/8"	1/m	10.0 lbs	For 1" H.D. 4-6# LINER
LF CWF 175B	1 1/8"	3/m	10.0 lbs	For 1" H.D. 4-6# LINER
LF CWF 200	1 ½"	1/m	11.0 lbs	For 2" - 1 ½# DUCT LINER
LF CWF 200	1 ½"	3/m	11.0 lbs	For 2" - 1 ½# DUCT LINER
LF CWF 250	2"	1/m	13.0 lbs	For 2" - 2# DUCT LINER
LF CWF 250B	2"	3/m	13.0	For 2" - 2# DUCT LINER

	SPINDLE	WASHER
Material Specifications	C 1008	C1008- C1020
Plating	Zinc	Galvanized

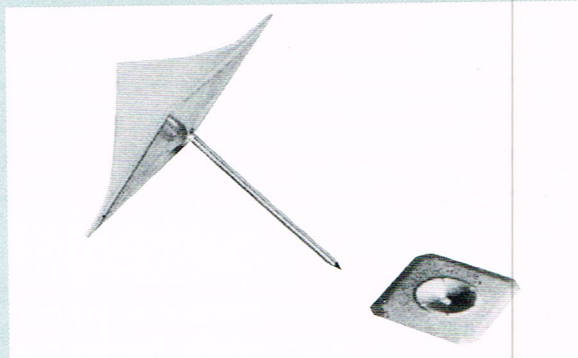
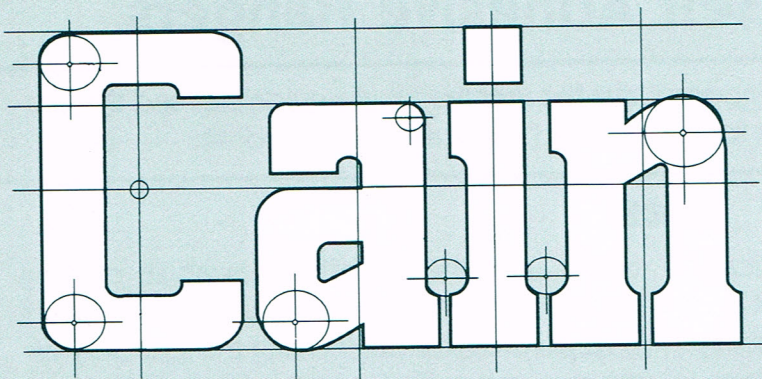
Longer lengths are available upon request  
For Cupped Head Washer add C to Model No.

**Cain**  
MANUFACTURING COMPANY, INC.

QUALITY HVAC PRODUCTS SINCE 1935

P.O. Box 1000 • Pelham, AL 35124 • 205-663-2200 • 1-800-554-0342 • FAX 205-663-2298





## Self Adhesive Hangers

**Designed to fasten insulation material to various surfaces...  
without tools or welding.**

### **Call for Cain quality and economy.**

- **No tools needed for the application of hangers to sheet metal.**
- **Insulation may be installed immediately because of positive adhesion of hanger to metal.**
- **Application of hanger is clean, fast and simple with no toxic fumes.**
- **Competitively priced and available through wholesalers, nationwide.**

Cain selfadhesive hangers have special pressure sensitive adhesive tape, pre-applied to the base plate, and tape is protected with quick release paper.

Application is simple! Peel away the release paper, position hanger, and press firmly into place. That's it! The entire operation is clean, neat, fast and simple. Special tools are not required. You save valuable man hours.

Cain self adhesive hangers are available in copper plated, 12 Ga. (.106 dia.) spindles from 3/4" to 2-1/2" in length. The base plate of the hanger is 2" X 2" of galvanized steel (28 Ga.).

Self adhesive hangers, with an equal number of self-locking washers, at no extra cost, are packaged 1000 hangers to a carton, either in bulk or as 10 individual boxes of 100 hangers.

***Never say can't  
say Cain!***

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# Guidelines for Self Adhesive Hangers

Due to the nature of the self adhesive, it is important that the user read these guidelines and that the user determine the suitability of the product for the intended application and purpose.

## Uses:

These hangers are designed to mechanically hold insulation material to various surfaces. It is important for the user to determine the suitability of this product for each application. Discretion must be used in application, and we recommend that the user first perform a test applica-

tion to satisfy himself of the desirability of using the product for his particular purpose. The user is responsible for determining the suitability of the application. Self adhesive hangers are not recommended for concrete or painted surfaces.

## Cautions:

It is important that these self adhesive hangers be used only when operating temperatures will not exceed 180 degrees F. at the point of adhesion. Hangers must not be used on ceilings or roofs of metal buildings or any surfaces where the reverse side may be exposed to heat con-

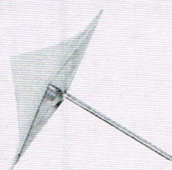
centration from sunlight, direct or otherwise. Load per hanger must not exceed 3 lbs. Hangers should be stored at 70 degrees F. and 50% relative humidity. It is important that stock of hangers be rotated. Shelf life is estimated at 2 years if stored as recommended.

## Installation:

**1. Clean surface** – Hangers must be applied to clean, dry, non-porous surface that is free from all oil, film, dust, rust, etc., to assure proper adhesion. Best results are obtained when ambient temperature is above 40 degrees F. at time of application.

**2. Peel off backing** – Remove the release paper from back plate. Due to quick tack nature of the adhesive, it is important that the release paper not be removed until ready to apply hanger.

**3. Press into place** – Stick the hanger onto the properly prepared, suitable, flat surface using firm, direct pressure. Do not twist the hanger. The hanger is now ready for use, and insulation may be applied immediately after securing the hanger. Of course, duct specifications may require the application of duct liner adhesive to the entire metal surface before proceeding to install insulation.



## Self Adhesive Hangers with Superior Holding Strength!

**Sold in Cartons of 1,000 Hangers, with Washers, in Bulk or as 10 Boxes of 100 Each.**

<b>LF SP-0750</b>	3/4" HANGER
<b>LF SP-1250</b>	1-1/4" HANGER
<b>LF SSP-1750</b>	1-3/4" HANGER
<b>LF SP-2000</b>	2" HANGER
<b>LF SP-2500</b>	2-1/2" HANGER
<b>LF SP WSHR</b>	1-1/4" X 1-1/8" 12 GA. SELF LOCK WASHER

# Cain

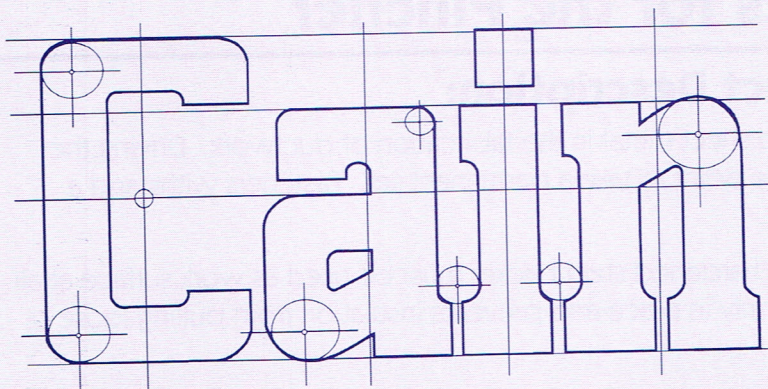
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**See Cain product catalog for complete details.**





## Pincher - Insulation Fastener

**A system to mechanically fasten duct liner to sheet metal...  
Pinchers take a big bite - hang on tight!!**

### **Call for Cain quality and economy.**

- Can be applied by hand-held magnetic hammer.
- Eliminates welding problems.
- Bites into sheet metal, but does not penetrate metal.
- Withstands pulls of up to 120 pounds.
- Compatible for use in most automatic, mechanical application equipment.
- Competitively priced and distributed by wholesalers, nationwide.

The Pincher is a proven, reliable mechanical fastener for pinning duct insulation to sheet metal. When the Pincher is driven into sheet metal, impact causes the tapered teeth at the tip to close and lock into the softer metal, but not penetrate it.

The Pincher and the softer sheet metal form a permanent attachment. And the washer head holds the duct liner firmly in place. The Pincher meets and exceeds Sheet Metal and Air Conditioning Contractors National Association (SMACNA) standards, as published in HVAC DUCT CONSTRUCTION STANDARDS, Jan., 1985.

The Pincher is manufactured for Cain, in the U.S.A., and is designed for use in multi-head fastening systems, automatic-feed single and dual-head systems, and with lightweight portable air hammers, as well as hand-held magnetic hammers.

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# Guidelines for the Pincher

## Product Description:

The Pincher permanently fastens insulation to sheet metal in the fabrication of ductwork. Driving the tapered teeth into the softer metal causes the point to take a permanent set. Fasteners withstand a tensile pull of 80-120 pounds in sheet metal.

To properly attach Pinchers to sheet metal, a hardened steel backer must be used as work surface at all times. A pre-attached cap holds the liner firmly in place and prevents insulation from pulling loose or delaminating.

Pinchers can be used in conjunction with adhesives on any galvanized sheet metal with lockforming qualities of 26 gauge and higher.

## Composition and Materials:

The fastener shank and point are manufactured from a special carbon alloy steel. The 1" diameter retaining cap, fabricated from cold rolled

steel is mechanically affixed to the driven end of the fastener.

## Technical Data:

**HARDNESS:** Point, shank and head are heat treated and tempered in a controlled atmosphere to a hardness of Rockwell C-50.

**CORROSION RESISTANCE:** Cain Pinchers are plated with .0002" to .0003" of zinc and receive a separate dip for corrosion resistance.

**RETAINING CAP:** Retaining cap is sufficient in size and design to depress the surface of the insulation without tearing or cutting it. The cap does not protrude into the air stream to create noise or interfere with air movement in the duct.

**TEMPERATURE RANGE:** Pinchers function properly over normally accepted operating range of temperatures of 32 degrees F to 250 degrees F and are not adversely affected at temperatures of 0 degrees F to 550 degrees F.

**VIBRATIONS:** Pinchers will not fatigue or be physically affected by vibrations normally found in high velocity air handling systems.

**ENVIRONMENTALLY SAFE:** When used as intended, the Pinchers are non-toxic and considered safe as defined by current Federal Standards.

**Safety glasses must be worn when applying fasteners.**



## Cain Pinchers Hang On Tight!

Sold in Thousand Packs or in Bulk Cartons

ITEM #	DESCRIPTION
LF CMF-50	.475" FOR 1/2" LINER - ALL DENSITIES
LF CMF-100	.630" FOR 1" LINER - 1 1/2 LB. DENSITY
LF CMF-120	.750" FOR 1" LINER - 3 LB. DENSITY
LF CMF-110	.900" FOR 1" LINER - 4 TO 6 LB. DENSITY
LF CMF-130	1.25" FOR 1-1/2" LINER - 1 1/2 LB. DENSITY
LF CMF-150	1.50" FOR 2" LINER - 1 1/2 TO 2 LB. DENSITY
EQ CPH-1	DUAL HEAD, MAGNETIC HAMMER.

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