

JOB: \_\_\_\_\_

LOCATION: \_\_\_\_\_

SUBMITTED TO: \_\_\_\_\_

SUBMITTAL PREPARED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_



An Employee Owned Company

97 Dexter Road, East Providence, Rhode Island 02914

# SUBMITTAL FORM INSULATION FASTENERS

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www.gripnail.com  
ISO 9001 : 2008

## Basic Use

PowerPoint® Weld Pins and Gripnail® Insulation fasteners are used to permanently secure insulation to the inside of sheet metal ductwork. SnapStik™ are used to secure insulation to the inside or outside of sheet metal ductwork.

## Product Guarantee

All PowerPoint Weld Pins, Gripnail Insulation Fasteners, and SnapStik Insulation Fasteners are guaranteed against defective material.

## Industry Regulations



PowerPoint Weld Pins and Gripnail Insulations fasteners meet the guidelines for low and high velocity ductwork as outlined by the SMACNA standards, HVAC DUCT CONSTRUCTION STANDARDS 1995 Edition.

## Suggested Specifications

All duct liner shall be secured to the ductwork in accordance with SMACNA HVAC Duct Construction Standards.

Fasteners shall be: \_\_\_\_\_  
Type Fasteners Part #'s \_\_\_\_\_ (adhesive, mechanical, weld)

As manufactured by *Gripnail Corporation*, East Providence, R.I.

### Impact Applied Duct Liner Fasteners

**Description**—Gripnails are a proven mechanical fastener used to attach insulation to the inside of sheet metal ductwork. The hardened tapered teeth pierce the duct liner and then clench into the sheet metal ductwork to form a permanent attachment.

### Resistance Weld Duct Liner Fastener

**Description**—PowerPoint weld pins are proven welded fasteners used to attach insulation to the inside of sheet metal ductwork. This forms a permanent bond between the fastener and sheet metal as they become the same as in any ordinary weld.

### Pressure Sensitive Adhesive Duct Liner Fastener

**Description**—Gripnail SnapStik Insulation Hangers are pressure sensitive fasteners designed to secure inside or outside of sheet metal ductwork

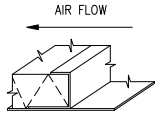
### Adhesive Affixed Duct Liner Fastener

**Description**—Gripnail SnapStik Spindle Anchors are adhesive affixed fasteners, designed to secure inside or outside of sheet metal ductwork

## ~Duct Liner Installation~

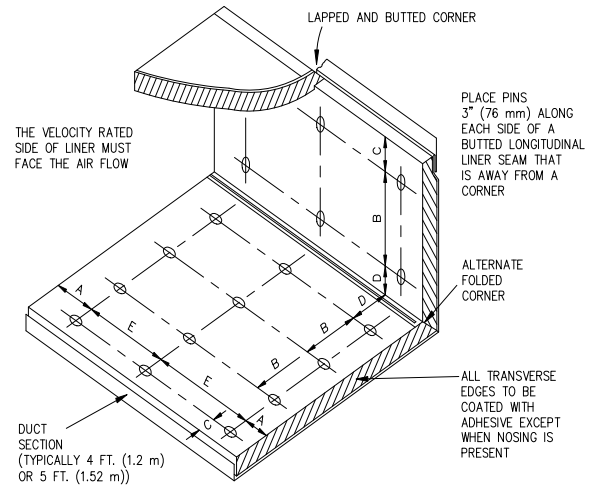
NOTE:

SEE TYPICAL DUCT BRANCH ENTRY CONDITION IN FIG. 4-6.  
METAL NOSING MUST BE USED WHEREVER LINER IS PRECEDED BY UNLINED METAL; OTHERWISE WHEN VELOCITY EXCEEDS 4000 FPM (20.3 MPS) USE METAL NOSING ON EVERY LEADING EDGE. NOSING MAY BE FORMED ON DUCT OR BE CHANNEL OR ZEE ATTACHED BY SCREWS, RIVETS OR WELDS.



DETAIL - A  
METAL NOSING  
CHANNEL OR ZEE

INTERIOR WIDTH OF 8" (200 mm) AND LESS DOES NOT REQUIRE PINS.



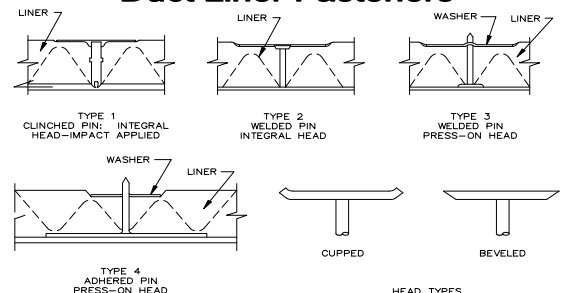
MAXIMUM SPACING FOR FASTENERS. ACTUAL INTERVALS ARE APPROXIMATE.

"A" PIN ROW MAY BE OMITTED WHEN METAL NOSING IS USED. "E" THEN STARTS FROM THE NOSING.

Velocity *	Dimensions				
	A	B	C	D	E
0 - 2500 FPM (0 - 12.7 MPS)	3" (76.2)	12" (305)	4" (102)	6" (152)	18" (457)
2501 - 6000 FPM (12.7 - 30.5 MPS)	3" (76.2)	6" (152)	4" (102)	6" (152)	16" (406)

\*UNLESS A LOWER LEVEL IS SET BY MANUFACTURER OR LISTING AGENCY

## ~Duct Liner Fasteners~



INSTALLED PINS AND WASHERS SHALL NOT COMPRESS LINER MORE THAN THE CORRECT LENGTH SPECIFIED FOR THE LINER THICKNESS USED.

# Impact Applied Duct Liner Fasteners

## Gripnail®



Pin Diameter: 10 gauge  
0.135"

Washer Diameter: 1.0"

- Meets or exceeds SMACNA Standards for Duct Liner Fasteners
- Feeds automatically into application equipment
- **Beveled Edge Cap**—prevents tearing of liner
- Made in U.S.A.

Product	Installed Length	Recommended For
#050	0.370"	1/2" insulation All densities
#100	0.525"	1" insulation 1 1/2 lbs. density
#120	0.650"	1" insulation 3 lbs. density
#110	0.800"	1" insulation 4 & 6 lbs. density
#130	1.150"	1 1/2" insulation 1 1/2 lbs. density
#150	1.400"	2" insulation 1 1/2 & 2 lbs. density

# Resistance Weld Duct Liner Fasteners

## PowerPoint® Weld Pin



Pin Diameter: 10 gauge  
0.135"

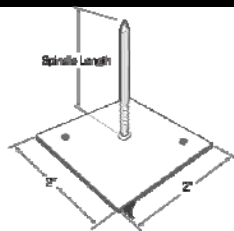
Washer Diameter: 1.0"

- Meets or exceeds SMACNA Standards for Duct Liner Fasteners
- **Faster Welds**—forged diamond point design creates more electrical resistance for faster welds
- **Super Sharp Point**—22 degree point is the sharpest in the industry and cleanly pierces the toughest duct liner
- **Beveled Edge Cap**—prevents tearing of duct liner
- Made in U.S.A.

Product	Installed Length	Recommended For
#057	0.378"	1/2" insulation All densities
#107	0.575"	1" insulation 1 1/2 lbs. density
#117	0.894"	1" insulation All densities
#127	0.823"	1" insulation 3 lbs. density
#137	1.011"	1 1/2" insulation All densities
#157	1.389"	2" insulation 1 1/2 & 2 lbs. density
#207	1.821"	2" insulation 3 lbs.

# Pressure Sensitive and Adhesive Affixed Duct Liner Fasteners

## SnapStik™ Insulation Hanger



Pin Diameter: 12 gauge  
0.1084"

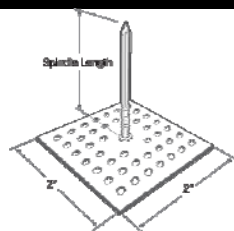
Washers Part # 825

Washer Size 1 1/4" X 1 1/8"

- Fasteners and self-locking washers are manufactured from low carbon galvanized steel
- The SnapStik Pull-and-Peel system allows for quicker installation
- Manufactured in single rows of 5 hangers provides safer and more efficient handling

Part Number	Spindle Length
820	3/4"
821	1 1/4"
822	1 5/8"
823	2"
824	2 1/2"

# SnapStik™ Spindle Anchor



Pin Diameter: 12 gauge  
0.1084"

Washers Part # 825

Washer Size 1 1/4" X 1 1/8"

- Fasteners and self-locking washers are manufactured from low carbon galvanized steel
- Manufactured in single rows of 5 hangers provides safer and more efficient handling

Part Number	Spindle Length
800	1 5/8"
801	2"
802	2 1/2"
803	3 1/2"