SUBMITTAL RECORD	
JOB	
LOCATION	
SUBMITTED TO	
SUBMITTAL PREPARED BY	
APPROVED BY	
DATE	



Submittal Form BAB - Cupped Washer Insulation Fastener

DESCRIPTION: When liner is placed inside air conditioning or heating duct work, the movement of air could cause the insulation to delaminate. To prevent this, SMACNA Specifications call for the use of fasteners in addition to adhesive to secure the liner. The fasteners may be of three types:

A. ADHESIVE: This fastener is bonded to the ductwork with an appropriate adhesive and allowed to set up. After sufficient drying time the liner is impaled on the pin and a washer added to retain the liner.

B. MECHANICAL: This type of fastener mechanically attaches itself to the duct work. The most popular style is a hardened nail with an attached washer. This fastener is impact driven through the liner and forms a positive mechanical grip with the metal. **C. WELD:** This fastener forms a permanent bond to the duct work by becoming part of it as in any weld. Two styles are currently in use. The first fastener is a mechanical fastener which is driven through the liner and welded to the duct work underneath. The second fastener is a pin which is welded to the duct work prior to the insulation. The liner is then impaled (much like the adhesive fastener) over the pin and secured by a washer.

SPECIFICATIONS

Insulation Fasteners are designed to meet SMACNA HVAC Duct Construction Standard for Mechanical Fasteners.

All steel used meets ASTM-A591.

All dimensions used in pin length are from bottom of head or base of fastener. ALL PINS AND WASHERS ARE ZINC PLATED CRS UNLESS OTHERWISE STATED.

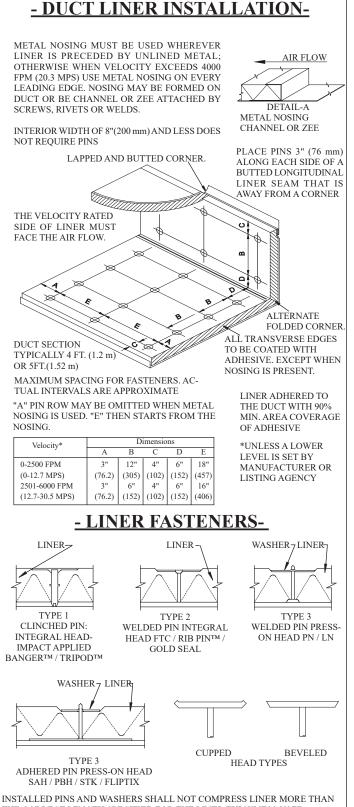


BAB Cupped Washer Weld Pins Pin: .130" Diameter Washer: Diameter - 1.0"

Thickness:015"017"			
		Nominal Length	
Item#	Code	After Setting	<u>Use</u>
25200	BAB12	.365	1/2" insulation
25201	BAB34	.531	1" 1-2# density
25202	BAB100	.781	1" 2-3# density
2 5203	BAB118	1.000	1" 3# density
2 5204	BAB150	1.365	1-1/2" insulation
2 5205	BAB200	1.781	2" insulation

SUGGESTED SPECIFICATIONS

All duct liner shall be secured to the duct work in accordance with SMACNA HVAC Duct Construction Standards. Fasteners shall be weld type fastener code BAB as manufactured by Duro Dyne Corporation, Bay Shore, N.Y.



THE CORRECT LENGTH SPECIFIED FOR THE LINER THICKNESS USED.

Duro Dyne Corporate Headquarters, Bay Shore, NY • 631-249-9000 • Fax: 631-249-8346 Duro Dyne Midwest • Duro Dyne West • Duro Dyne Canada www.durodyne.com • E-mail: durodyne@durodyne.com



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