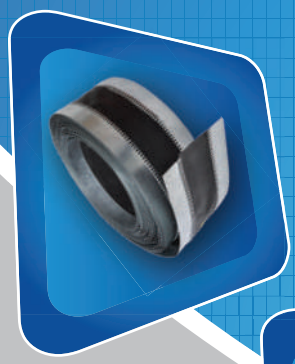
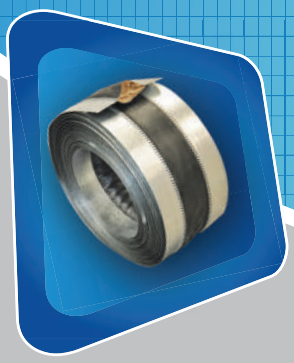
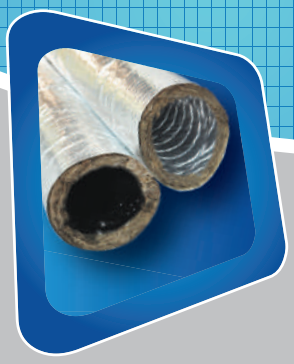
AERODUCT®

Ducting Accessories











CE

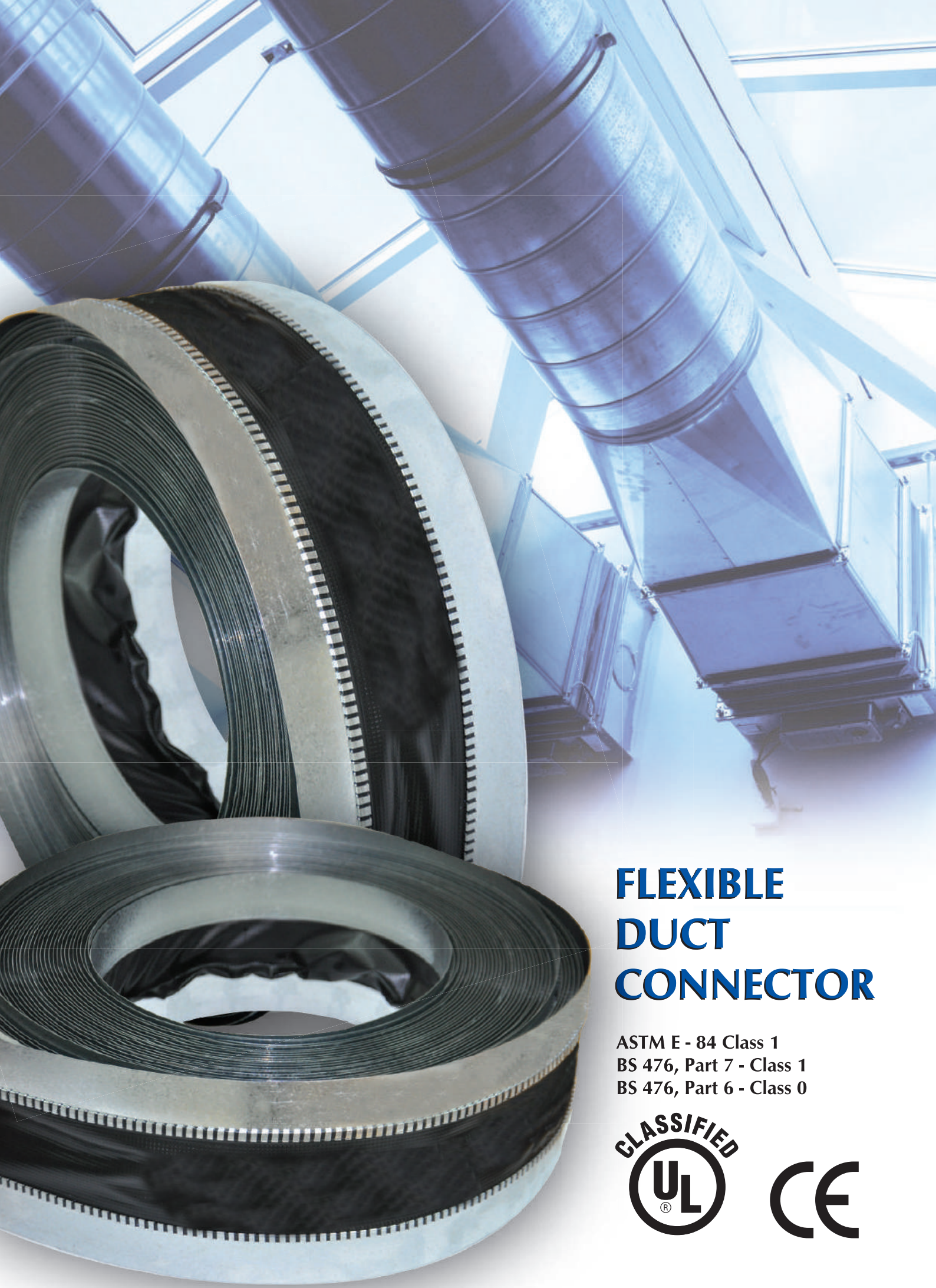
International Associate MEMBER SMACNA

Intertek

The Most Comprehensive Range of Ducting Accessories

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FLEXIBLE DUCT CONNECTOR

ASTM E - 84 Class 1
BS 476, Part 7 - Class 1
BS 476, Part 6 - Class 0

CLASSIFIED UL ®

CE

FLEXIBLE DUCT CONNECTOR

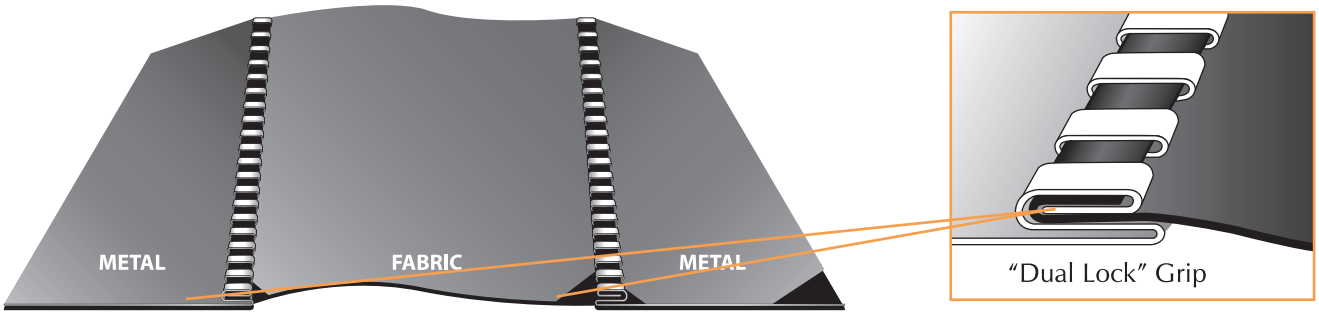
All mechanical equipments like Air Handling Units, Fan Coil Units and Ventilation Fans generate noise and vibrations when used. To eliminate the noise and vibrations from transmitting through the air ducts, it is necessary to install an airtight flexible joint between the outlet of the equipment, and the inlet of the ducts.

The joint formed by attaching a layer of fabric to two strips of metal on either side is called a "Flexible Duct Connector".

The most critical part of this Flexible Duct Connector is the fabric which has to be selected to suit the typical requirements of each installation.

AERODUCT offers two types of dual lock of metal-to-fabric mechanism:

1. Dual Lock Grip with 3 folds for 28 Gauge metal.
2. Dual Lock Grip with 2 folds for 24 Gauge metal.



Part No.	Size Metal x Fabric x Metal (mm)	Length (Feet)	Metal Gauge	Fabric Technical Specifications	Features
Vinyl					
V-G8-145-100	45 x 75 x 45	100	28	Basic Fabric : Polyester Yarn Coating : Vinyl Weight : 576 gms /sq.mtr 17oz /sq. yard Tear Strength : 45 x 45 kgs 100 x 100 lbs Tensile Strength : 108 x 100 kgs 240 x 220 lbs Low Temp : -40 deg C/-40 deg F High Temp : +93 deg C/200 deg F Burst Strength : 400psi	Vinyl is the most commonly used fabric for all air duct installations due to its high tear strength, and its high abrasion resistance. Recommended for low to medium pressure ductwork systems. Airtight and waterproof construction.
V-G8-230-100	70 x 100 x 70	100	28		
V-G8-145-150	45 x 75 x 45	150	28		
V-G8-230-150	70 x 100 x 70	150	28		
V-G4-145-100	45 x 75 x 45	100	24		
V-G4-225-100	75 x 75 x 75	100	24		
V-G4-250-100	75 x 100 x 75	100	24		
V-G4-300-100	75 x 150 x 75	100	24		
V-G4-350-100	100 x 150 x 100	100	24		
CLASSIFIED UL					Vinyl fabric does not contain material that contribute ODP or GWP
					NFPA 701
Neoprene BS					
BSN-G8-145-100	45 x 75 x 45	100	28	Basic Fabric : Woven Fibreglass Coating : Neoprene Weight : 1016 gms /sq.mtr : 30 oz/sq. yard Tear Strength : 5.5 x 5.5 kgs 12 x 12 lbs Tensile Strength : 226 x 204 kgs 500 x 450 lbs Low Temp : -40 deg C (-40 deg F) High Temp : 121 deg C (250 deg F) Burst Strength : 800psi	Neoprene is recommended for use in application where high mechanical strength is required. Neoprene is extremely resistant to most alkalies, gasoline and toxic fumes. Airtight and waterproof construction.
BSN-G8-230-100	70 x 100 x 70	100	28		
BSN-G8-145-150	45 x 75 x 45	150	28		
BSN-G8-230-150	70 x 100 x 70	150	28		
BSN-G4-145-100	45 x 75 x 45	100	24		
BSN-G4-225-100	75 x 75 x 75	100	24		
BSN-G4-250-100	75 x 100 x 75	100	24		
BSN-G4-300-100	75 x 150 x 75	100	24		
BSN-G4-350-100	100 x 150 x 100	100	24		
CLASSIFIED UL					UV resistant.
					Neoprene fabric does not contain material that contribute ODP or GWP
					NFPA 701

Part No.	Size Metal x Fabric x Metal (mm)	Length (Feet)	Metal Gauge	Fabric Technical Specifications	Features
Silicon					
S-G8-145-100	45 x 75 x 45	100	28	Basic Fabric : Woven Fibreglass Coating : Silicon Rubber Weight : 627 gms /sq.mtr : 18.5 oz/sq. yard Tear Strength : 27 x 22 kgs 60 x 50 lbs Tensile Strength : 81 x 90 kgs 180 x 200 lbs Low Temp : -40 deg C (-40 deg F) High Temp : 300 deg C (573 deg F) Burst Strength : 450psi	Silicon fabric has a special Silicon Rubber coating that has excellent resistance to high and low temperatures. Silicon is extremely resistant to chemicals and ozone, and emits very low smoke when burnt. Recommended for applications where high temperature is of main concern in both indoor and outdoor installations. Airtight and waterproof construction.
S-G8-230-100	70 x 100 x 70	100	28		
S-G4-225-100	75 x 75 x 75	100	24		
S-G4-250-100	75 x 100 x 75	100	24		
S-G4-300-100	75 x 150 x 75	100	24		
S-G4-350-100	100 x 150 x 100	100	24		
S-G4-145-100	45 x 75 x 45	100	24		
Rated for use at 400 deg C for 2 hours 					UV resistant.
					Silicon fabric does not contain material that contribute ODP or GWP
					NFPA 701
Hypalon					
H-G8-145-100	45 x 75 x 45	100	28	Basic Fabric : Woven Fibreglass Coating : Hypalon Weight : 816 gms /sq.mtr : 24 oz/sq. yard Tear Strength : 22 x 18 kgs 48 x 39 lbs Tensile Strength : 102 x 136 kgs 225 x 200 lbs Low Temp : -40 deg C (-40 deg F) High Temp : 121 deg C (250 deg F) Burst Strength : 800psi	Hypalon coated fabric has the best resistance to ozone layer, and is the first choice for outdoor applications. It has excellent resistance to weathering, acids and is recommended for roof top applications. Airtight and waterproof construction.
H-G8-230-100	70 x 100 x 70	100	28		
H-G4-225-100	75 x 75 x 75	100	24		
H-G4-250-100	75 x 100 x 75	100	24		
H-G4-300-100	75 x 150 x 75	100	24		
H-G4-350-100	100 x 150 x 100	100	24		
					UV resistant.
Polyurethane					
P-G8-145-100	45 x 75 x 45	100	28	Basic Fabric : Woven Fibreglass Coating : Polyurethane Weight : 460 gms /sq.mtr : 13 oz/sq. yard Tear Strength : 16 x 14 kgs 35 x 30 lbs Tensile Strength : 75 x 82 kgs 165 x 180 lbs Low Temp : -40 deg C (-40 deg F) High Temp : 200 deg C (392 deg F) Burst Strength : 400psi	Polyurethane coated fabrics are fragile in construction but have a longer resistance period to high temperatures. Airtight and waterproof construction
P-G8-230-100	70 x 100 x 70	100	28		
P-G4-225-100	75 x 75 x 75	100	24		
P-G4-250-100	75 x 100 x 75	100	24		
P-G4-300-100	75 x 150 x 75	100	24		
P-G4-350-100	100 x 150 x 100	100	24		
					UV resistant.

FLEXIBLE DUCT CONNECTOR

Part No.	Size Metal x Fabric x Metal (mm)	Length (Feet)	Metal Gauge	Fabric Technical Specifications	Features
Canvas					
C-G8-145-100	45 x 75 x 45	100	28	Basic Fabric : Canvas Weight : 535 gms /sq.mtr : 16 oz/sq. yard Tear Strength : 4 x 4 kgs 9 x 9 lbs Tensile Strength : 127 x 96 kgs 280 x 210 lbs Low Temp : -40 deg C (-40 deg F) High Temp : 93 deg C (200 deg F)	Traditional Canvas cloth used for air conditioning and ventilating applications, indoors and outdoors. Airtight and waterproof construction
C-G8-230-100	70 x 100 x 70	100	28		
C-G8-280-100	70 x 150 x 70	100	28		
C-G8-300-100	75 x 150 x 75	100	28		
C-G4-300-100	75 x 150 x 75	100	24		UV resistant.
					Fire rated as per EN 532 and EN 533.

All AERODUCT Connectors utilise galvanised steel meeting ASTM A525 G90 and ASTM A653 G60 standards.
All AERODUCT Connectors are designed to meet NFPA 90A and 90B standards.
AERODUCT Connectors have ODP = 0 & GWP < 5.
Sizes other than the above can be manufactured on request.

Duct Fabric

The complete range of AERODUCT fabrics are also available without metal for customers who have the need for only the fabric. Standard roll widths are given in the table and are available in lengths of 100 feet. Other widths and lengths are available on request.

CLASSIFIED UL

Fabric	Model No.	Width of Fabric	Length
Vinyl	V-75-100	3″ (75 mm)	100 feet
Vinyl	V-100-100	4″ (100 mm)	100 feet
Vinyl	V-150-100	6″ (150 mm)	100 feet
Neoprene BS	BSN-75-100	3″ (75 mm)	100 feet
Neoprene BS	BSN-100-100	4″ (100 mm)	100 feet
Neoprene BS	BSN-150-100	6″ (150 mm)	100 feet
Silicon	S-75-100	3″ (75 mm)	100 feet
Silicon	S-100-100	4″ (100 mm)	100 feet
Silicon	S-150-100	6″ (150 mm)	100 feet

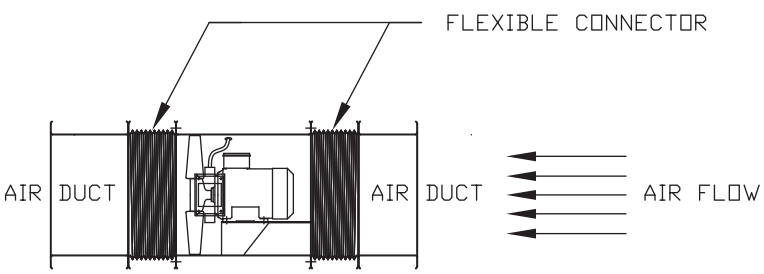
AERODUCT ADHESIVE GEL



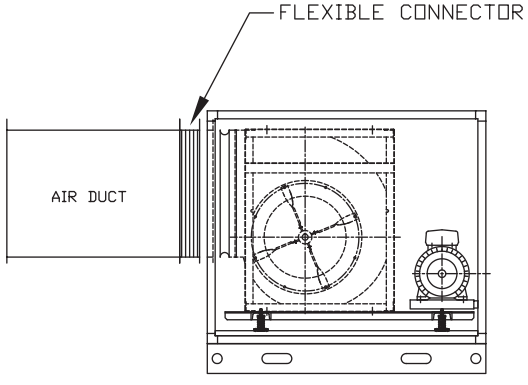
Application:
for Duct Connector fabric

Property:
Cyanoacrylate adhesive

Typical Application



EXHAUST FANS



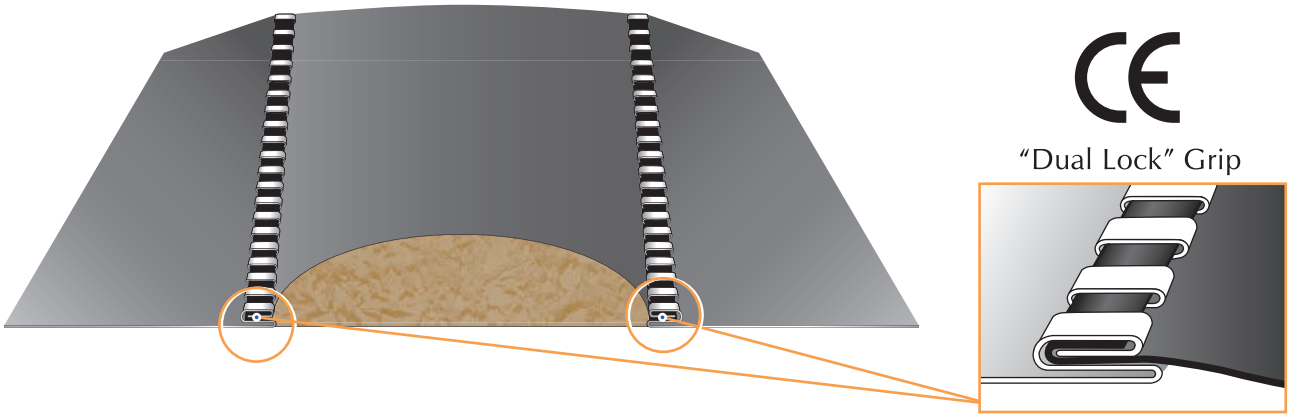
FAN COIL / AIR HANDLING UNITS

INSULATED FLEXIBLE DUCT CONNECTOR



1. Dual Lock Grip with 3 folds for 28 Gauge metal.

2. Dual Lock Grip with 2 folds for 24 Gauge metal.



For acoustically treated ductwork and supply ducts, it is important that the fabric of the connector is also insulated in addition to the insulation fixed on the ducting. This enables the Flexible Duct Connector to achieve maximum effectiveness.

Externally insulating the fabric, may damage the coating on it, and also make it stiff thereby affecting the noise and vibration absorption properties of the fabric. AERODUCT has a complete range of "Insulated Duct Connectors" which use a 25mm thick fibreglass insulation of R Value 4.2, sandwiched between two layers of fabric. The various options of fabrics offered in insulated models, ensure that the Flexible Duct Connectors can be used for all possible types of ductwork installations. Thicker and higher density fibreglass can be provided on request.

All models of Insulated Duct Connectors from AERODUCT are available in 24 Gauge and 28 Gauge Steel.

INSULATED FLEXIBLE DUCT CONNECTOR

Part No.	Size Metal x Fabric Metal (mm)	Length (Feet)	Metal Gauge	Fabric Technical Specifications		Features
VINYL						
ISV-G8-145-100	45 x 75 x 45	100	28	Fabric	Vinyl Coated Polyester Yarn	Vinyl is the most commonly used fabric for all air duct installation due to its high tear strength and high abrasion resistance. Recommended for low to medium pressure ductwork systems.
ISV-G8-230-100	70 x 100 x 70	100	28	Insulation	Fibreglass 12 kg/m³, 25mm thickness	
ISV-G8-280-100	70 x 150 x 70	100	28			
ISV-G4-145-100	45 x 75 x 45	100	24	R Value	4.2	
ISV-G4-225-100	75 x 75 x 75	100	24	Weight	576 gms /sq.mtr, 17oz /sq. yard	
ISV-G4-250-100	75 x 100 x 75	100	24	Tear Strength	45 x 45 kgs (100 x 100 lbs)	
ISV-G4-300-100	75 x 150 x 75	100	24	Tensile Strength	108 x 100 kgs (240 x 220 lbs)	
				Low Temp	- 40 deg C / - 40 deg F	
				High Temp	93 deg C / 200 deg F	
				Burst Strength	400psi	
NEOPRENE BS						
ISBSN-G8-145-100	45 X 75 X 45	100	28	Fabric	Neoprene Coated Woven Fibreglass	Neoprene is recommended for use in application where high mechanical strength is required. Neoprene is extremely resistant to most alkalies, gasoline and toxic fumes.
ISBSN-G8-230-100	70 X 100 X 70	100	28	Insulation	Fibreglass 12 kg/m³, 25mm thickness	
ISBSN-G8-290-100	70 X 150 X 70	100	28			
ISBSN-G4-145-100	45 X 75 X 45	100	24	R Value	4.2	UV resistant
ISBSN-G4-225-100	75 x 75 x 75	100	24	Weight	1016 gms / sq. mtr (30 oz/sq.yard)	
ISBSN-G4-250-100	75 X 100 X 75	100	24	Tear Strength	5.5 x 5.5 kgs (12 x 12 lbs)	
ISBSN-G4-300-100	75 X 150 X 75	100	24	Tensile Strength	226 x 204 kgs (500 x 450 lbs)	
				Low Temp	-40 deg C (-40 deg F)	
				High Temp	121 deg C (250 deg F)	
				Burst Strength	800psi	
SILICON						
ISS-G8-145-100	45 X 75 X 45	100	28	Fabric	Silicon Rubber coated Woven Fibreglass	Silicon fabric has a special Silicon coating that has excellent resistance to high and low temperatures. Silicon is extremely resistant to chemicals and ozone, and emits very low smoke when burnt. Recommended for applications where high temperature is of main concern in both indoor and outdoor installation.
ISS-G8-230-100	70 X 100 X 70	100	28	Insulation	Fibreglass 12 kg/m³, 25mm thickness	
ISS-G8-290-100	70 X 150 X 70	100	28			
ISS-G4-145-100	45 X 75 X 45	100	24	R Value	4.2	
ISS-G4-225-100	75 x 75 x 75	100	24	Weight	627 gms /sq.mt (18.5 oz/sq. yard.)	
ISS-G4-250-100	75 X 100 X 75	100	24			
ISS-G4-300-100	75 X 150 X 75	100	24			
Rated for use at 400 deg C for 2 hours				Tear Strength	27 x 22 kgs (60 x 50 lbs)	UV resistant
				Tensile Strength	81 x 90 kgs (180 x 200 lbs)	
				Low Temp	- 40 deg C (- 40 deg F)	
				High Temp	300 deg C (573 deg F)	Achieves Class 1 when tested as per ASTM - E84 - Surface Burning Characteristics
				Burst Strength	450psi	
POLYURETHANE						
ISP-G8-230-100	70 X 100 X 70	100	28	Fabric	Polyurethane Coated Woven Fibreglass	Polyurethane Coated Fabrics are fragile in construction but have a longer resistance period to high temperatures.
ISP-G8-280-100	70 X 150 X 70	100	28	Insulation	Fibreglass 12 kg/m³, 25mm thickness	
ISP-G4-250-100	75 X 100 X 75	100	24	R Value	4.2	Airtight and waterproof construction
ISP-G4-300-100	75 X 150 X 75	100	24	Weight	460 gms /sq.mtr (13 oz/sq. yard)	
				Tear Strength	16 x 14 kgs (35 x 30 lbs)	UV resistant.
				Tensile Strength	75 x 82 kgs (165 x 180 lbs)	
				Low Temp	-40 deg C (-40 deg F)	
				High Temp	200 deg C (392 deg F)	
				Burst Strength	400psi	

SPECIFICATION SHEET

Fabric	Weight	Thickness	Tensile Strength	Tear Strength	Low Temp	High Temp	Abrasion Resist-ance	Leakage Resista-nce	
	TEST METHOD								Fire Ratings
	ASTM D751-89	ASTM D1777-96	ASTM D751-89	ASTM D751-89	ASTM D573	ASTM D573	Federal Test Std.191 # 5306	Federal Test Std.191 # 5512	
Vinyl	576 gms /sq.mtr 17oz /sq. yard	0.41 +/- 0.03mm	108 x 100 kgs 240 x 220 lbs	45 x 45 kgs 100 x 100 lbs	- 40°C - 40°F	93°C 200°F	15,500 cycles	450 psi	UL Classified ODP, GWP
Neoprene BS	1016 gms/ sq.mtr 30 oz/ sq.yard	0.43 +/- 0.03mm	226 x 204 kgs 500 x 450 lbs	5.5 x 5.5 kgs 12 x 12 lbs	- 40°C - 40°F	121°C 250°F	550 cycles	450 psi	UL Classified UV Resistant ODP, GWP
Silicon Rated for use at 400 deg C for 2 hrs	627 gms/ sq.mtr 18.5 oz/ sq.yard	0.46 +/- 0.03mm	81 x 90 kgs 180 x 200 lbs	27 x 22 kgs 60 x 50 lbs	- 40°C - 40°F	300°C 573°F	135 cycles	450 psi	ASTM E 84 UL Classified ODP, GWP
Hypalon	816 gms/ sq.mtr 24 oz/ sq.yard	0.58 +/- 0.03mm	102 x 136 kgs 225 x 200 lbs	22 x 18 kgs 48 x 39 lbs	- 40°C - 40°F	121°C 250°F	500 cycles	250 psi	
Polyurethane	460 gms/ sq.mtr 13 oz/ sq.yard	0.40 +/- 0.03mm	75 x 82 kgs 165 x 180 lbs	16 x 14 kgs 35 x 30 lbs	- 40°C - 40°F	200°C 392°F	110 cycles	400 psi	Rated Class 1 as per BS 476, Part 7 Test. Rated Class Oas per BS 476, Part 6 Test
Canvas	535 gms/ sq.mtr 16 oz/ sq.yard	0.41 +/- 0.03mm	127 x 96 kgs 280 x 210 lbs	4 x 4 kgs 9 x 9 lbs	- 40°C - 40°F	93°C 200°F	70 cycles	400 psi	EN 532, EN 533

INTERNATIONAL TEST CERTIFICATES

Flexible Duct Connectors Fabric

(Vinyl, Neoprene, Silicon)
In accordance with
ANSI / NFPA 701

Flexible Duct Connectors

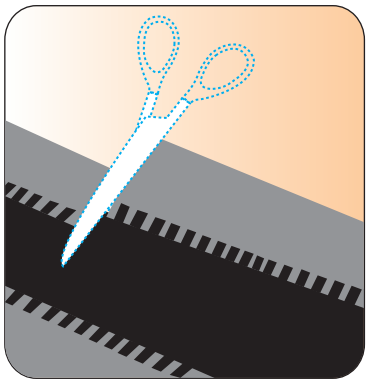
ASTM E-84
(Vinyl, Neoprene, Silicon, Polyurethane)
BS 476 part 7, Class 1
(Polyurethane)
BS 476 part 6, Class O
(Polyurethane)

ODP = 0
GWP < 5

RECOMMENDED INSTALLATION PROCEDURE

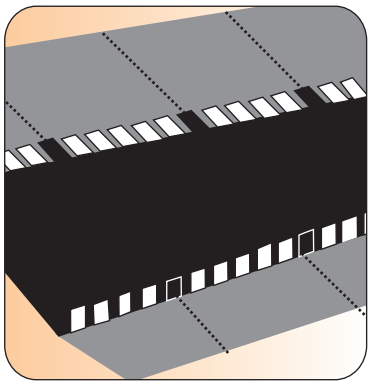
Ensure that the notched side of the connector faces outward and position the joint in the middle of a side rather than at a corner.

1.



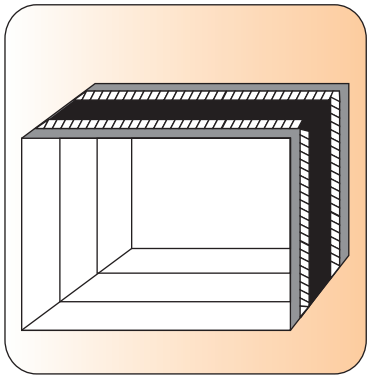
Remove the roll from the box, and cut the connector to the required length.

2.



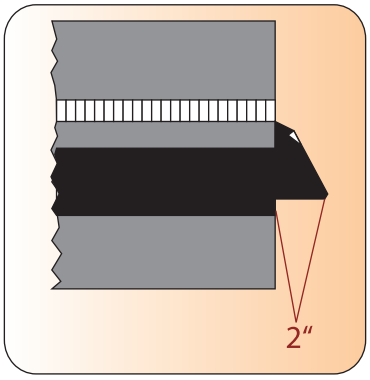
Holding the seam portion upwards to an angle of 90 degrees , make notches at the points where bending is required.

3.



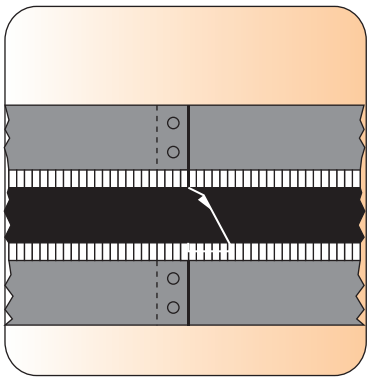
Bend the connector to form the required shape.

4.



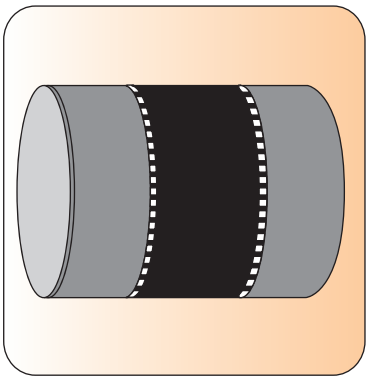
From the end of the connector, cut away the metal portion exposing only the fabric, with length of around 2 inches.

5.



Join the two ends of the sheet metal by using rivets or screws. Apply a liberal amount of adhesive on the fabric portion under the tongue , and hold the joint for few seconds to ensure the seal.

6.



Round Flexible connections can also be fabricated using the same procedure.

One side of the connector to be fixed with rivets on the mouth of the equipment and the other side to be fixed with rivets onto duct.

FLEXIBLE DUCTS

INSULATED & UNINSULATED MODELS
R VALUE : 4.2
VELOCITY : 5000 fpm
BS 476, Part 7 - Class 1
BS 476, Part 6 - Class 0
ASTM E84
UL 181

Children & Schools GREENGUARD® Indoor Air Quality Certified

Formaldehyde FREE

LEED Eligible Product
Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.
Credit 4.1 - 4.2 Recycled Content
Credit 5.1 - 5.2 Regional Materials





Specification Data





No.	Specifications	Insulated	Insulated	Insulated
	MODEL No	ADI1	ADI2	ADI1M
1.	Inner Core	Double laminated polyester film, with black pigmented adhesive, permanently bonded to corrosion resistant steel wire helix.	Triple laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix.	Double laminated polyester film, with permanently bonded to corrosion resistant steel wire helix.
2.	Outer Core	Strong vapour barrier made from metallized polyester film laminate.	Strong vapour barrier made from metallized aluminum and polyester film laminate.	Strong vapour barrier made from metallized polyester film laminate.
3.	Insulation thickness	25mm / 38mm / 50mm	25mm / 38mm / 50mm	25mm / 38mm / 50mm
4.	Density	16kg/m^3 / 24kg/m^3	16kg/m^3 / 24kg/m^3	16kg/m^3 / 24kg/m^3
5.	R value	4.2	4.2	4.2
6.	Maximum Positive Pressure	10″ w.g.- 4″ to 16″	10″ w.g.- 4″ to 16″	10″ w.g.- 4″ to 16″
		6″ w.g. - 18 to 20″	6″ w.g. - 18“ to 20″	6″ w.g. - 18 to 20″
7.	Maximum Negative Pressure	3/4″ w.g. All diameters	3/4″ w.g. All diameters	3/4″ w.g. All diameters
8.	Maximum Velocity	5000 fpm	5000 fpm	5000 fpm
9.	Operating Temperature	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F
10.	Standard Length	25 feet	25 feet	25 feet
11.	Diameter	4“ to 20″	4“ to 20″	4“ to 20″
12.	Fire Rating	-	BS 476, part 7 Class1 BS 476, part 6 Class0 ASTM - E84	BS 476, part 6 BS 476, part 7

Customised lengths available on request.

Specification Data







No.	Specifications	Insulated - Reinforced Barrier	Insulated - Reinforced Barrier	Insulated - Reinforced Barrier
	MODEL No	ADIR-1	ADIR-2	ADIRA
1.	Inner Core	Double laminated polyester film, with black pigmented adhesive, permanently bonded to corrosion resistant steel wire helix.	Triple laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix.	Multilayer Aluminum films permanently bonded with galvanized steel helix wire.
2.	Outer Core	Triple laminated aluminum foil, polyester and metallized polyester film with fibreglass scrim reinforced vapour barrier.	Triple laminated aluminum foil, polyester and metallized polyester film with fibreglass scrim reinforced vapour barrier.	Strong vapor barrier made from multi-layer aluminum film combined with separate strong fiberglass Reinforced scrim.
3.	Insulation thickness	25mm / 38mm / 50mm	25mm / 38mm / 50mm	25mm / 38mm / 50mm
4.	Density	16kg/m^3 / 24kg/m^3	16kg/m^3 / 24kg/m^3	24kg/m^3
5.	R value	4.2	4.2	4.2 / 6 / 8
6.	Maximum Positive Pressure	10"w.g. - 4" - 16" 6"w.g. - 18" - 20"	10"w.g. - 4" - 16" 6"w.g. - 18" - 20"	10"w.g.
7.	Maximum Negative Pressure	3/4"w.g. - All diameters	3/4"w.g. - All diameters	3/4"w.g.
8.	Maximum Velocity	5000 fpm	5000 fpm	3000 fpm
9.	Operating Temperature	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F
10.	Standard Length	25 feet, 10mtr	25 feet, 10mtr	25 feet
11.	Diameter	4" to 20"	4" to 20"	4" to 20"
12.	Fire Rating	BS 476, part 7 Class1 BS 476, part 6 Class0	BS 476, part 7 Class1 BS 476, part 6 Class0 ASTM - E84	UL181, UL723 or ASTM E - 84 BS476 PART 6 AND 7.

Customised lengths available on request.

Specification Data





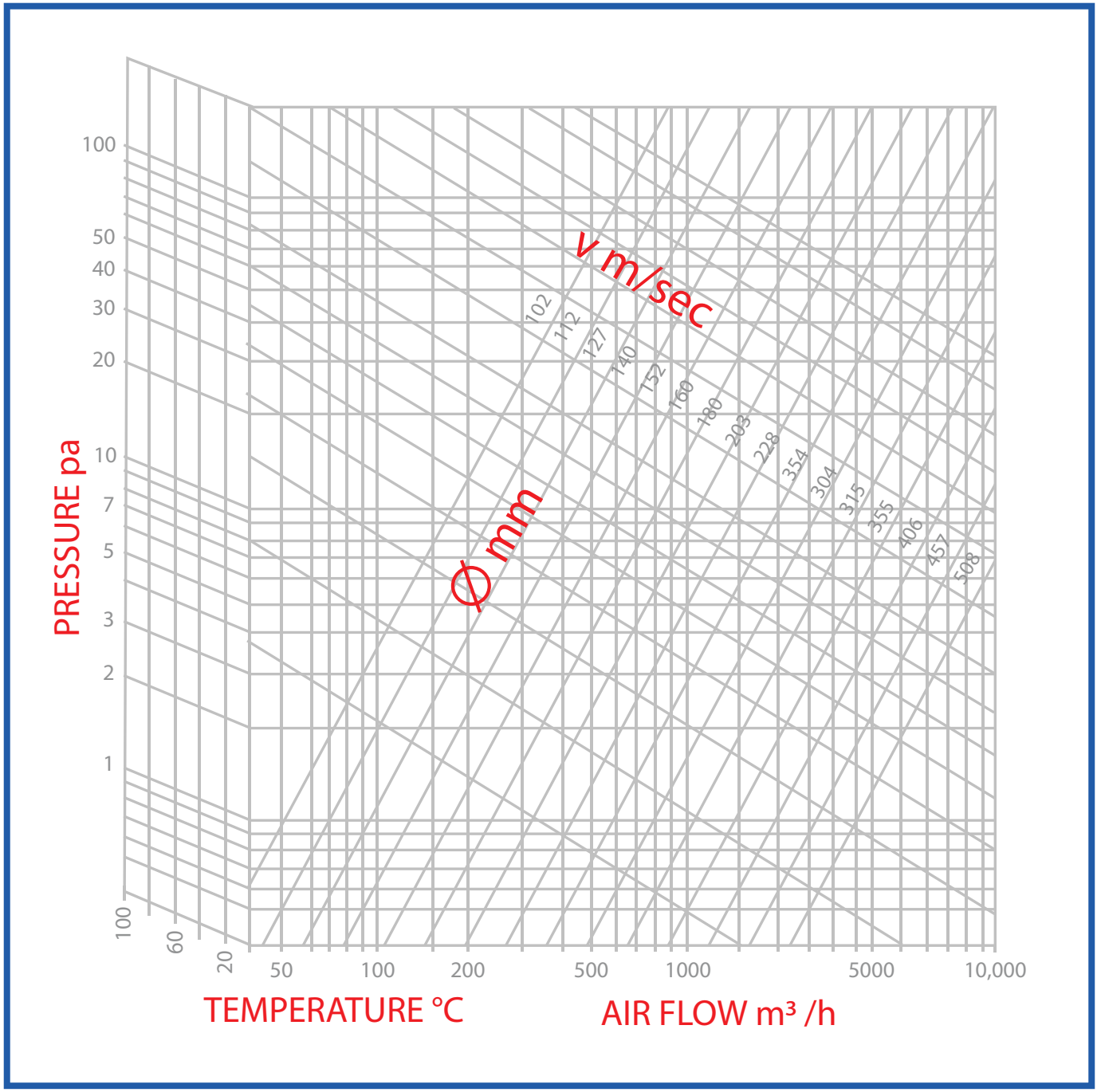

No.	Specifications	Uninsulated	Uninsulated	Uninsulated	Semi Rigid
	MODEL No	ADUI3	ADUI4	ADUI5	ADSR
1.	Inner Core	Triple laminated aluminum foil, polyester film, permanently per bonded to corrosion resistant steel wire helix.	Double laminated metallized film, permanently bonded to corrosion resistant steel wire helix.	Double laminated polyester film, with black pigmented adhesive, permanently bonded to corrosion resistant steel wire helix.	Semi rigid aluminum flexible duct is made from aluminum folded strips, winded spirally. Aluminum sheet is 100µ and leak proof interlock crimped.
2.	Maximum Positive Pressure	10″ w.g.- 4″ to 16″ 6″ w.g. - 18“ to 20″	10″ w.g.- 4″ to 16″ 6″ w.g. - 18“ to 20″	10″ w.g.- 4″ to 16″ 6″ w.g. - 18“ to 20″	Flexible stretchable and ideal for low and medium pressure application.
3.	Maximum Negative Pressure	1″ w.g. All diameters	1″ w.g. All diameters	1″ w.g. All diameters	-
4.	Maximum Velocity	5000 fpm	5000 fpm	5000 fpm	8000 fpm
5.	Operating Temperature	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to + 250 deg C
6.	Standard Length	25 feet	25 feet	25 feet	3 m
7.	Diameter	4“ to 20″	4“ to 20″	4“ to 20″	4″ to 12″
8.	Fire Rating	BS 476, part 7 Class1 BS 476, part 6 Class0	-	-	BS 476, part 7 Class1 BS 476 part 6 Class0

Customised lengths avaliable on request.

Main Features

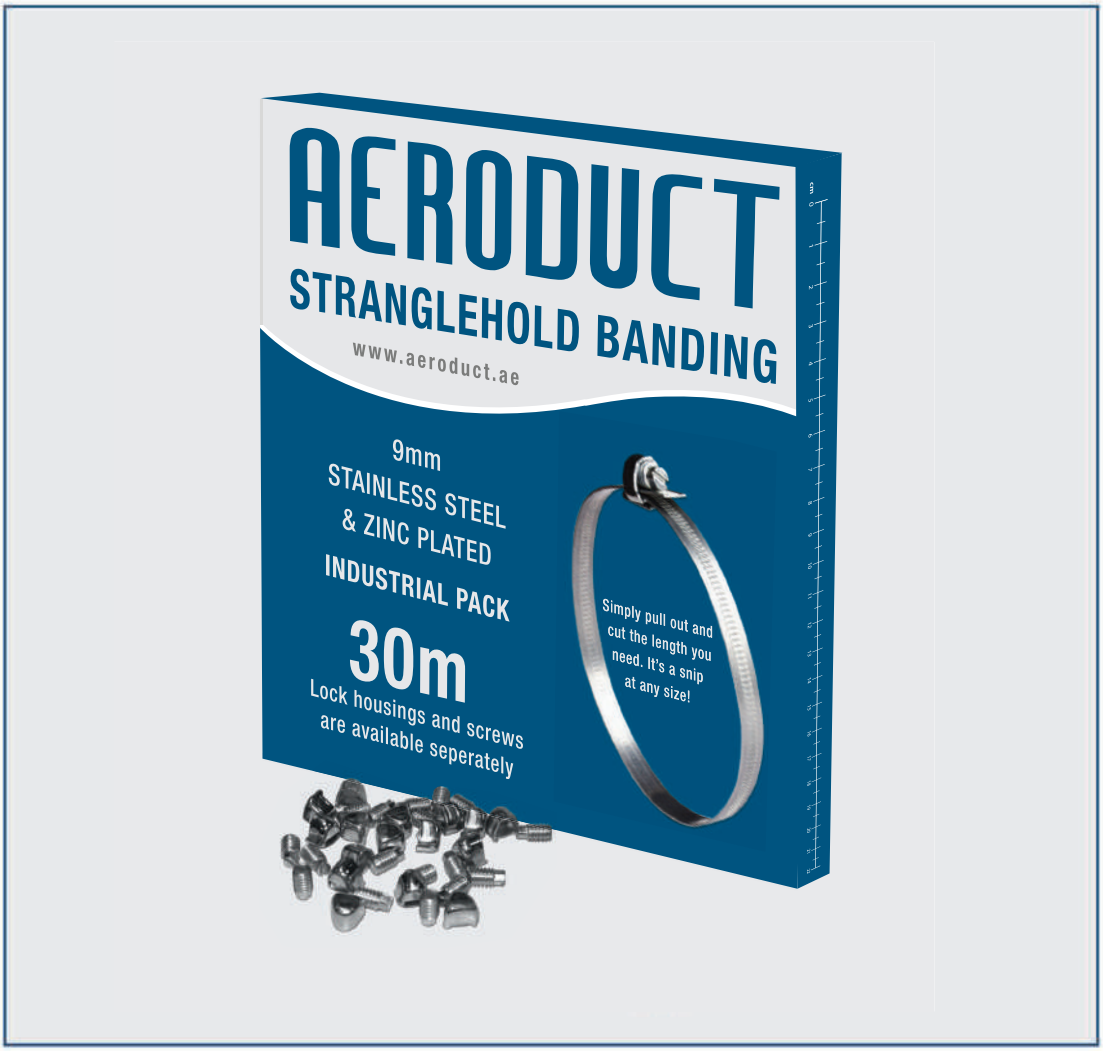
- Economical solution to connecting equipment in air conditioning and ventilation systems, across a broad spectrum of applications such as residential, commercial and industrial projects
- Flexible construction renders ease of installation in areas where rigid ducts cannot be fixed
- Ideal for use in low to medium pressure ductwork systems
- Options for insulated and uninsulated models
- Tear and puncture resistant construction

Pressure Loss Diagram








AERODUCT
STRANGLEHOLD BANDING
www.aeroduct.ae
9mm
STAINLESS STEEL
& ZINC PLATED
INDUSTRIAL PACK
30m
Lock housings and screws
are available seperately
Simply pull out and
cut the length you
need. It's a snip
at any size!



















MILD STEEL ZINC PROTECTED

Model: ADGSB 09-6-30

Aeroduct Stranglehold Banding are zinc protected mild steel. This is most popular clip in our range. Ideally suited for most day requirements for joining hose in areas such as the HVAC industry and the automotive aftermarket, agricultural application, such as irrigation and farm machinery, pneumatic and hydraulic application in the industrial sector, hardware/DIY applications and in construction.

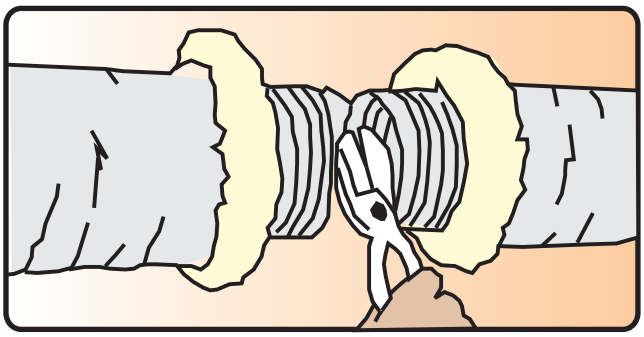
Thickness: = 0.6 mm, Width: 9 mm

STAINLESS STEEL AISI430ss

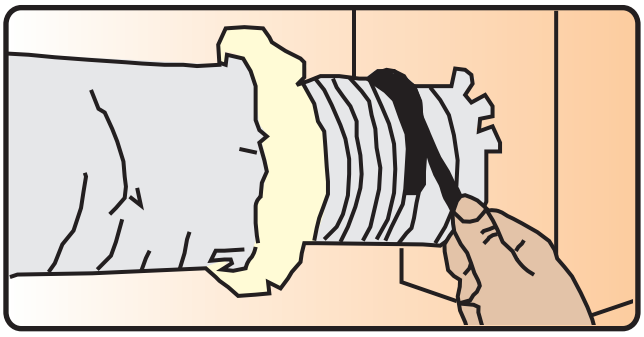
Model: ADSSB 09-6-30

The most versatile of clips in the Aeroduct Stranglehold Banding range, our Original Range Aeroduct Banding in 304 (18/8) stainless steel are widely used across all industries where hose clips are used to secure hoses, as well as for other applications. Their corrosion resistance enables their use in the marine, oil and gas and food sectors, as well as the agricultural, hardware and industrial sectors, where higher corrosion resistance is required.

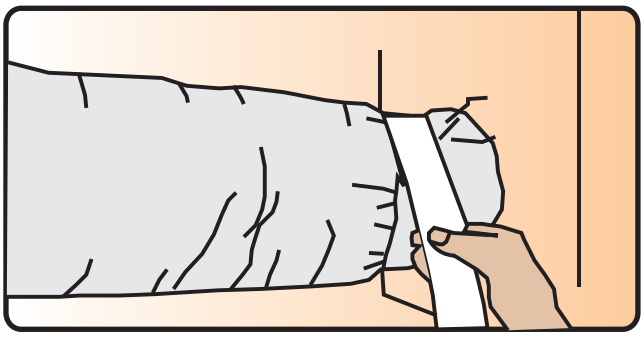
CONNECTIONS



Cut completely around and through the duct with knife or scissors. Cut the wire with wire cutters. Fold back the jacket and insulation

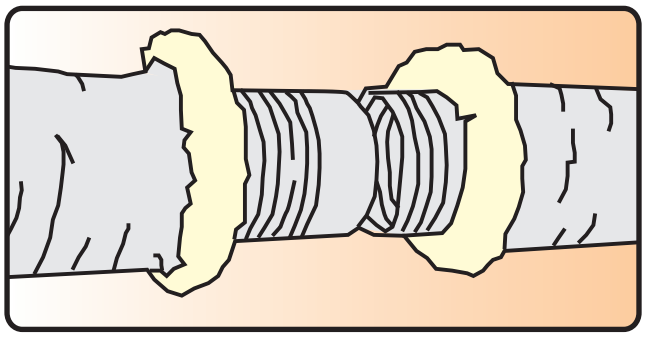


Slide at least 1″ (25mm) of core over fitting and past the bead. Seal core to cover with 2 wraps of duct tape. Secure the connection with Aeroduct clamp placed over the core and tape and past the bead.

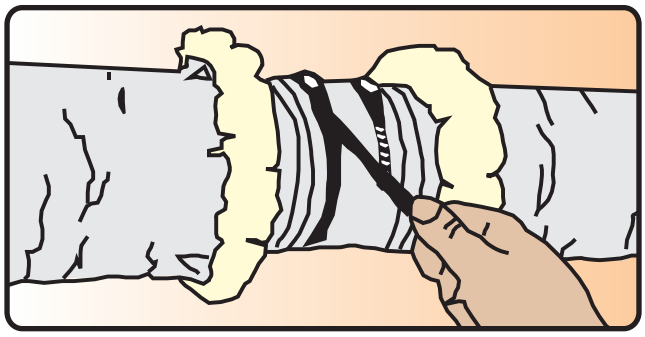


Pull jacket and insulation back over the core. Use atleast 2 wraps of duct tape to tape the jacket. You may use a clamp along with or instead of the duct tape.

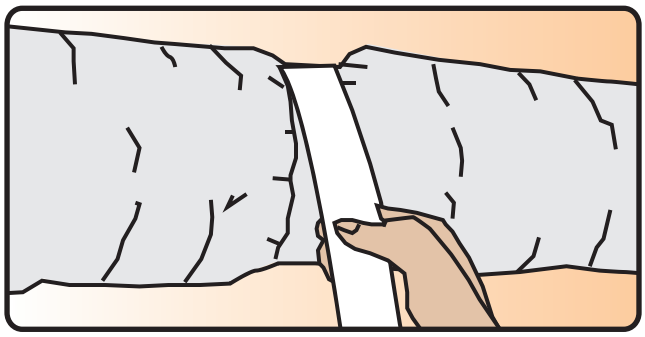
SPLICES



Fold back jacket and insulation from core. Butt 2 cores together on a standard 4″ (100mm) length metal sleeve.

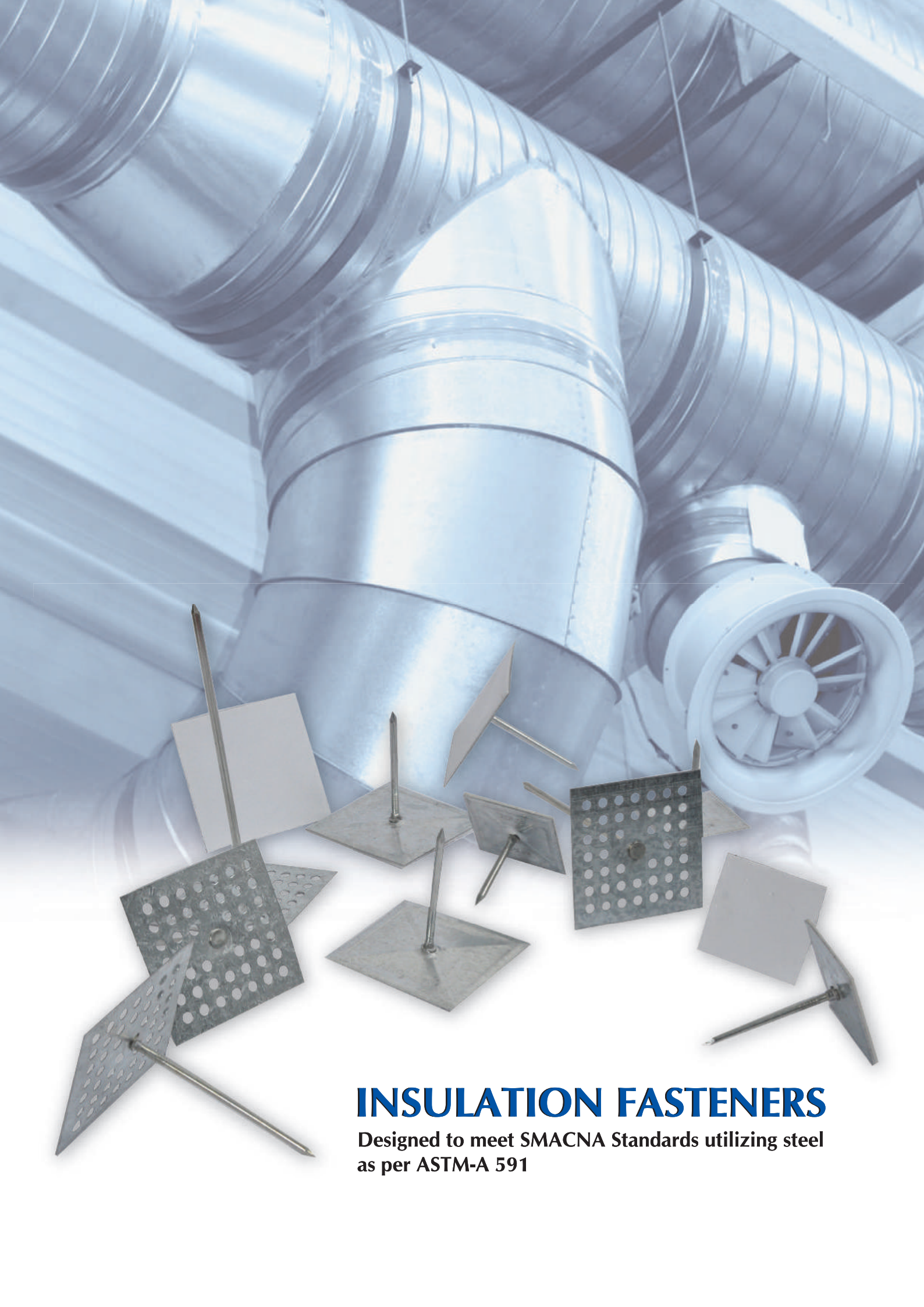


Use atleast 2 wraps of duct tape to tape the jacket. Secure the connection with Aeroduct clamp placed over the core and tape and past the bead.



Pull jacket and insulation back over cores. Use atleast 2 wraps of duct tape to tape the jacket.

Precautions during installation:
Aeroduct insulated ducts use fibreglass insulation which is classified as a possible cancer hazard by inhalation. In addition fibreglass insulation may cause temporary irritation to the eyes and skin. Kindly ensure that protective clothing, face mask and gloves are used while handling or installing the flexible ducts. Wash hands properly with soap and water after use.



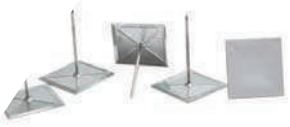
INSULATION FASTENERS

Designed to meet SMACNA Standards utilizing steel as per ASTM-A 591

Insulation Fasteners (IF) / PERFORATED BASE HANGERS (PIF)

Base : 28 Gauge Metal Pin : 12 Gauge Zinc Plated
Size : 50mm x 50mm Packaging :500 pieces per box with SW Washers
250 pieces per box with SW Washers for Pin Length of 180mm - 225mm

Self Adhesive Type - Aluminium Model No.	Perforated Base Type Model No.	Pin Length (inches/mm)	Use for Insulation size
IFAS 34	PIFAS 34	0.75″ / 19mm	½″
IFAS 114	PIFAS 114	1.25″ / 32mm	1″
IFAS 134	PIFAS 134	1.75″ / 45mm	1½″
IFAS 200	PIFAS 200	2.0″ / 51mm	1½″
IFAS 250	PIFAS 250	2.5″ / 65mm	2″
IFAS 300	PIFAS 300	3.0″ / 75mm	3″
IFAS 80M	PIFAS 80M	80mm	3″
IFAS 400	PIFAS 400	4.0″ / 100mm	4″
IFAS 450	PIFAS 450	4.5″ / 110mm	4″
IFAS 120M	PIFAS 120M	120mm	4“
IFAS 130M	PIFAS 130M	130mm	5″
IFAS 140M	PIFAS 140M	140mm	5“
IFAS 150M	PIFAS 150M	150mm	6″
IFAS 160M	PIFAS 160M	160mm	6″
IFAS 180M	PIFAS 180M	180mm	7″
IFAS 200M	PIFAS 200M	200mm	8″
IFAS 210M	PIFAS 210M	210mm	8″
IFAS 225M	PIFAS 225M	225mm	9″



Self Adhesive Type
- Steel Nail
Reinforced and plain base options



Self adhesive type-
Aluminium nail
Easy to bend and cut



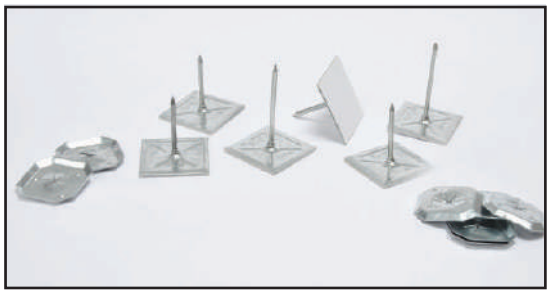
Perforated Base Type
Available in both Steel and Aluminium nail.

Note: 1 inch is equivalent to 25mm.
Delivery is 6 - 8 weeks for 180mm sizes upwards.

Insulation Fasteners Compact (IFC)

Base : 28 Gauge Metal Pin : 12 Gauge Zinc Plated
Size : 35mm x 35mm Packaging : 1000 pieces per box with two boxes of SW Washers

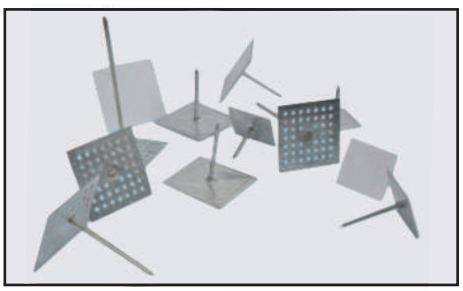
Model No.	Pin Length (inches)	Use for Insulation size
IFCAS 114	1.25	1″
IFCAS 134	1.75	1½″
IFCAS 200	2.0	1½″
IFCAS 250	2.5	2″



Stainless Steel Insulation Fasteners for Offshore, Oil & Gas Fields

Standards SS304 and 316

Nail Size: 0.75″, -2.5″, Base 2″x2″



SW Washers

Model No.	Description	Pieces per box
SW	Steel Washers 28 Gauge Galvanized	500

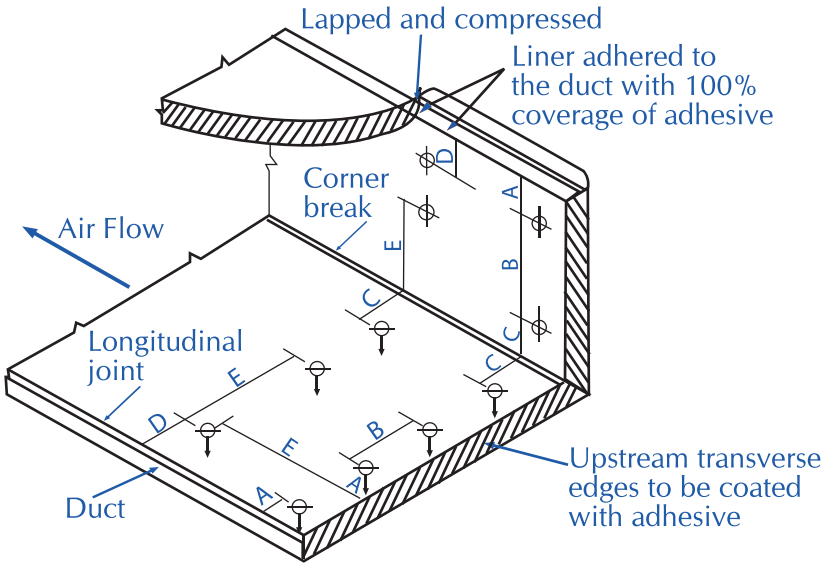


The steel base is made from 28 Gauge metal, a steel pin and double sided self adhesive tape having high shear strength. The use of this pin prevents corrosion on the sheet metal which is caused by the welding fasteners.

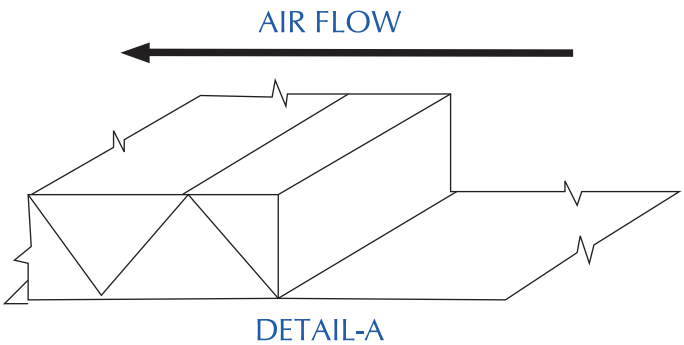
Adhesive Tape Technical Details

Base Material : Polyethylene foam with aggressive pressure sensitive solvent acrylic adhesive
Service Temperature : - 5 deg C to + 65 Deg C.
Highly resistant to abrasion, corrosion and moisture.
Confirms to European Directive 2000/53 (Lead, Chromium VI, Mercury, Cadmium free)
10 Minute 180 degree Peel Adhesion : 30 N/25mm
500 Hour Static Shear (Stainless Steel) : 0.8 kg/cm^2

Duct Liner Installation



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



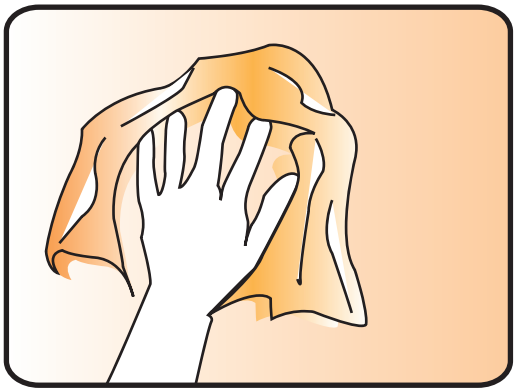
DETAIL-A

Metal Nosing Channel or Zee

Interior width of 8″(200mm) and less does not require pins

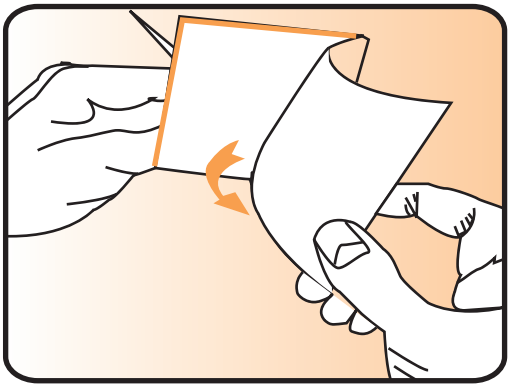
RECOMMENDED INSTALLATION PROCEDURE

1.



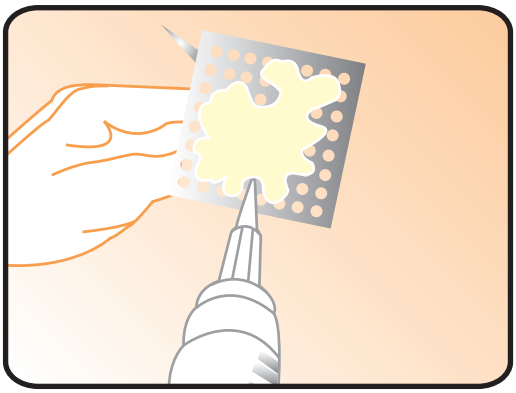
Ensure that the surface is clean and dry, free from oil, grease or any dust particles

2.



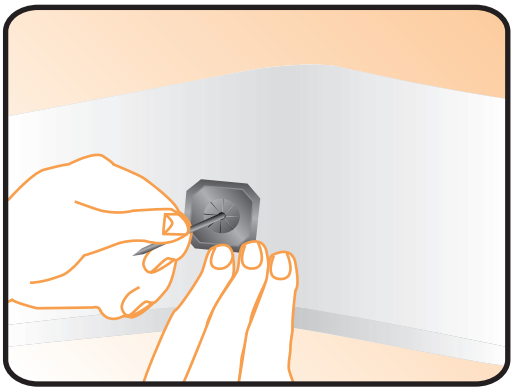
Remove protection paper from the base of the insulation fastener.

3.



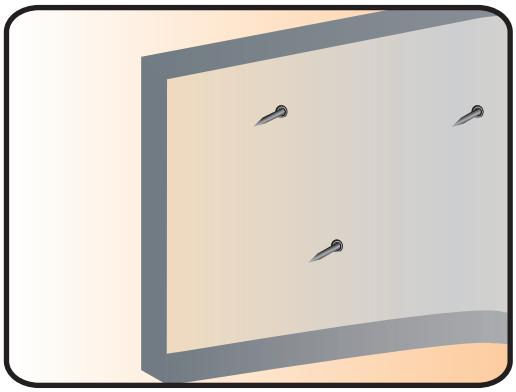
Apply glue to the base of the perforated hanger and fix to the surface

4.



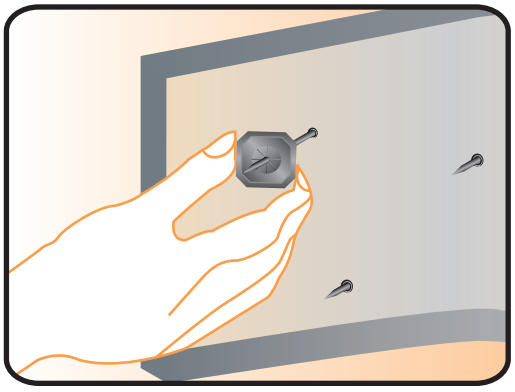
Firmly press the base of the pin at the required position on to the steel surface.

5.



Fix the insulation over the pins

6.



Lock the insulation firmly to the steel surface using the steel washers provided.



MANILA BAY RESORT, PHILIPPINES



BLUE WATER DUBAI PROJECT



HARTLAND GREEN – SOBHA, DUBAI - UAE



ABU DHABI INTERNATIONAL AIRPORT 1



COLOMBO CITY CENTRE, SRI LANKA



OMANTEL HEADQUARTER



BAHRAIN AIRPORT PROJECT



REEM MALL, ABU DHABI, UAE



DUBAI PARKS AND RESORTS



PALM TOWER PROJECT



MARINA GATE TOWER, DUBAI - UAE

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Ducting Accessories

Hira INDUSTRIES

Manufactured By: Hira Industries LLC (AERODUCT DIVISION)
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Tel : +971 4 884 8414
Fax : +971 4 884 8434
Email: enquiry@rhira.com
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