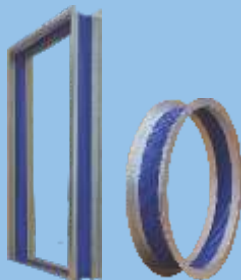
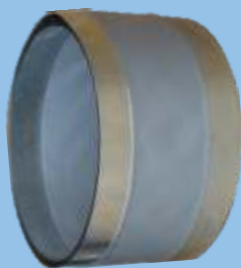


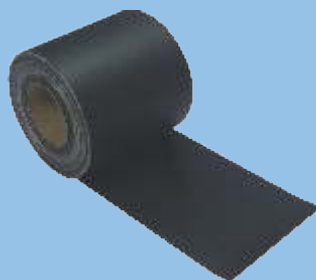
Flame Resistant Flexible Duct Connectors



Duct Assembly - A



Duct Connectors - M



Duct Fabric - F

FIRE RATING

ASTM E-84
NFPA 701

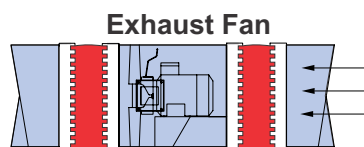
BS 476
EN 532

All Air Duct installations for HVAC systems in Commercial, Industrial & Residential premises are attached to mechanical equipment containing a fan or blower which generate and transmit Vibrations, Noises and Rattles in the entire metal duct work.

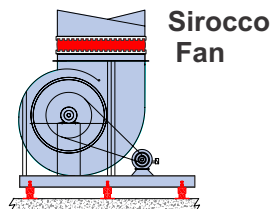
Design Features

Resistoflex Flexible Duct Connector consisting of a flame retardant fabric, secured to galvanized sheet metal on either side by a double lock seam is inserted between the equipment / air duct and the ductwork to provide a wear resistant Air tight flexible connection to eliminate vibrations, noise and rattles.

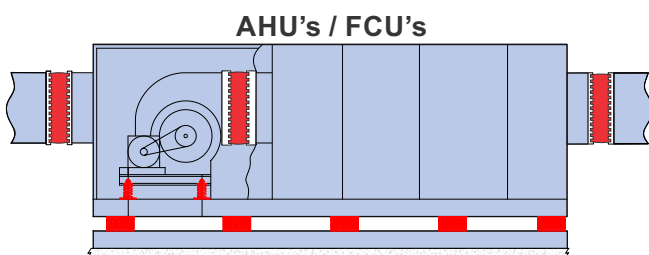
Isolates Equipment Vibrations, Noise & Rattles



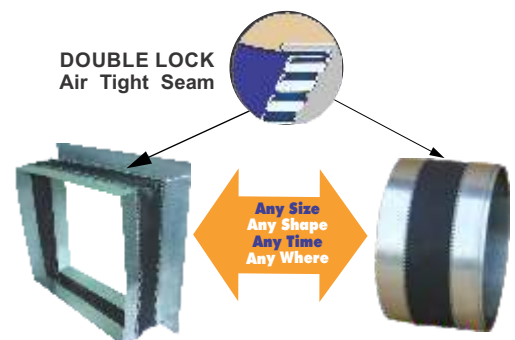
Exhaust Fan



Sirocco Fan



AHU's / FCU's



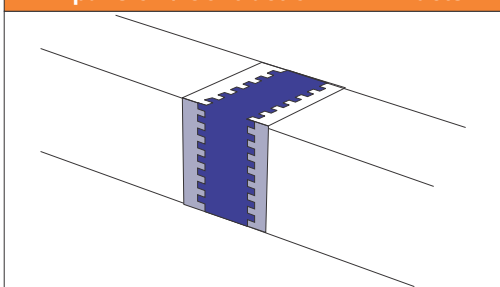
DOUBLE LOCK
Air Tight Seam

Any Size
Any Shape
Any Time
Any Where

Advantages

- Quick and Economical
- Air Tight Lock Seams
- Wear Resistant
- Unmatched Durability and Strength
- Replaces Traditional Canvas
- Available in various widths of Metal and Fabric
- Fabric Rolls available in 100-1500 mm width
- Roll length of 25 and 50 meters







Compensates for Misalignments / Expansion / Contraction in Air Ducts



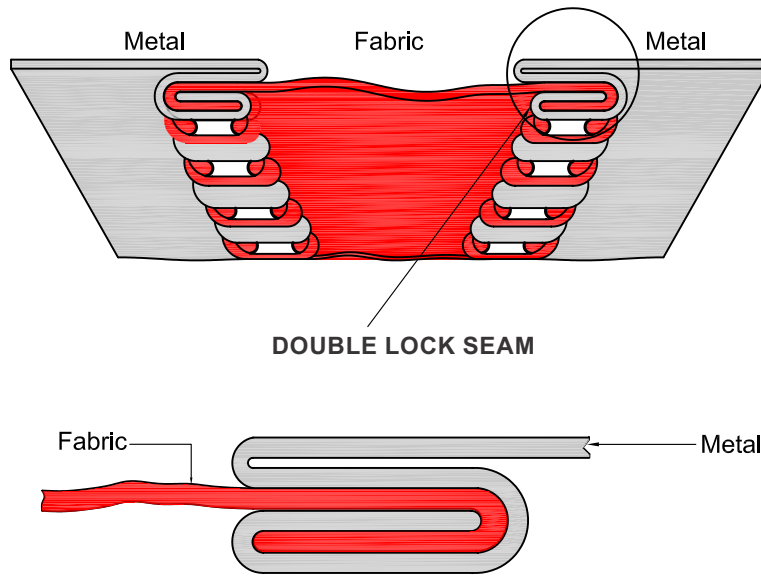
RMS
CORPORATION

RESISTOFLEX
SINCE 1947
Expansion Joints Division

FLAME RESISTANT FLEXIBLE DUCT CONNECTORS RFDC

CODE	PROPERTIES	SALIENT FEATURES
<p>COATED CANVAS</p> <p>- 40°C~80°C</p>  <p>RFDC - LC</p>	<p>Coating : Chemical Colour : Natural GSM : 360 Tensile Strength (N/cm) : 970 x 747 Tear Strength (N) : 29 x 29 Fire Rating : EN 532 and EN 533</p>	<ul style="list-style-type: none"> • Coated Canvas cloth used for HVAC indoors and outdoors. • Airtight, Humidity Proof and Waterproof construction. • High Resistance to Tear and Stretch • Resistant to Ultra Violet Rays
<p>COATED CANVAS</p> <p>- 40°C~80°C</p>  <p>RFDC - HC</p>	<p>Coating : Chemical Colour : Natural GSM : 460 Tensile Strength (N/cm) : 1158 x 1144 Tear Strength (N) : 68 x 41 Fire Rating : EN 532 and EN 533</p>	
<p>VINYL POLYESTER FABRIC</p> <p>- 40°C~120°C</p>  <p>RFDC - PV</p>	<p>Coating : Vinyl Colour : Blue GSM : 576 Tensile Strength (N/cm) : 1080 x 1000 Tear Strength (N) : 450 x 450 Fire Rating : ASTME 84 Class I NFPA 701 (UL214)</p>	<ul style="list-style-type: none"> • 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 duct work system. • Airtight, Humidity Proof and Waterproof construction.
<p>POLYURETHANE GLASS FABRIC</p> <p>- 30°C~150°C</p>  <p>RFDC - PG</p>	<p>Coating : Polyurethane Colour : Grey GSM : 490 Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 160 x 140 Fire Rating : ASTME 84 Class I NFPA 701(UL214) BS 476, Part 7- Class I BS 476, Part 6 - Class 0</p>	<ul style="list-style-type: none"> • Polyurethane Coated Fabrics are fragile in construction but have a longer resistance period to high temperatures. • Airtight, Humidity Proof and Waterproof construction. • Resistant to Ultra Violet Rays
<p>NEOPRENE GLASS FABRIC</p> <p>- 30°C~160°C</p>  <p>RFDC - NG</p>	<p>Coating : Neoprene Colour : Black GSM : 630 Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 55 x 55 Fire Rating : ASTME 84 Class I NFPA 701 (UL214)</p>	<ul style="list-style-type: none"> • Neoprene is recommended for use in application where high mechanical strength is required. • Neoprene is extremely resistant to most alkalis, gasoline and toxic fumes. • Airtight, Humidity Proof and Waterproof construction. • Resistant to Ultra Violet Rays
<p>SILICONE GLASS FABRIC</p> <p>- 30°C~250°C</p>  <p>RFDC - SG</p>	<p>Coating : Silicone Colour : Grey GSM : 560 Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 270 x 220 Fire Rating : ASTME 84 Class I NFPA 701 (UL214)</p>	<ul style="list-style-type: none"> • Silicone Rubber coating which has excellent resistance to high and low temperatures. Silicone is extremely resistant to chemicals and ozone, and emits very low smoke when burnt. • Resistant to Ultra Violet Rays • Recommended for applications where high temperature is of main concern in both indoor and outdoor installations. • Recommended • Airtight, Humidity Proof and Waterproof construction.

FLAME RESISTANT FLEXIBLE DUCT CONNECTOR RFDC



DUCT CONNECTORS

Code Suffix	Standard Sizes (mm)		
	METAL	FABRIC	METAL
45 M 075 F	45	75	45
70 M 100 F	70	100	70
70 M 150 F	70	150	70

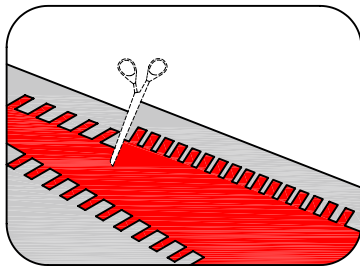
DUCT FABRICS



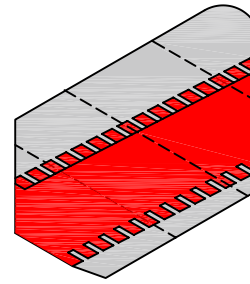
Available in standard / customized Rolls in widths upto 1500 mm and lengths upto 50 M

FLAME RESISTANT FLEXIBLE DUCT CONNECTORS RFDC

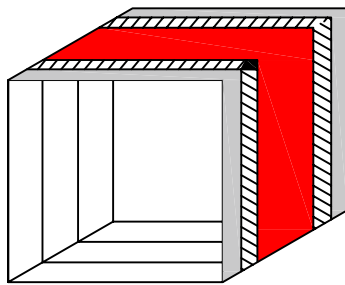
JOINING PROCEDURE



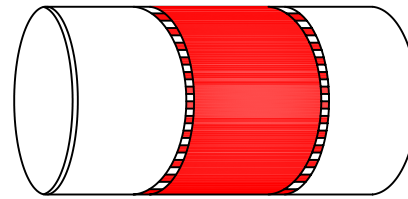
1. Remove the roll from the box, and cut the connector to the required length.



2. Make notches at the points where bending is required.

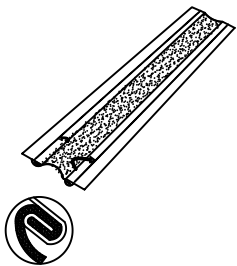


3. Bend the connector to form the required square / rectangular shape.

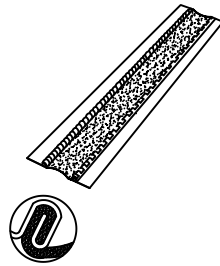


4. Or bend the connector to form the required round shape.

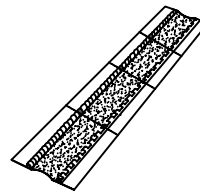
HOW TO STIFFEN FLEXIBLE CONNECTOR



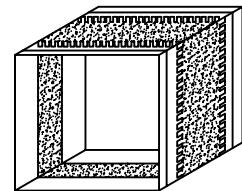
1. Lay out connector as you normally do



2. Bend the seam upwards to an angle of 90°.

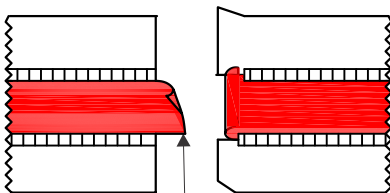


3. Using heavy snips, notch standing seam at bend points.



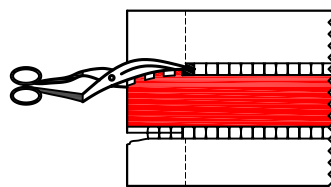
4. Bend to complete Connector.

HOW TO SEAM FLEXIBLE CONNECTOR

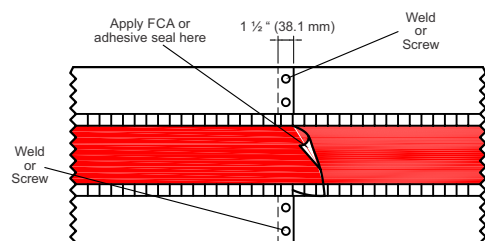


25 mm to 38 mm

1. Cut through center of lock as indicated. Cut 25 to 38 mm deep to allow sufficient lap.



1. From edge of connector, cut away metal as indicated. Metal falls away exposing fabric ready for seaming.



3. Put a liberal amount of adhesive Pidilite S.R. 505 on the two fabric flaps, dry for 1 minute & press the two pieces together. Roll the flap ends together & staple the seal.