



FLEXIBLE DUCT CONNECTOR DATASHEET



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UNINSULATED DUCT CONNECTOR

Delta-flex Duct Connectors are very strong, fully flexible duct connectors and are widely used in air conditioning systems for commercial, industrial, and residential applications.

Ready carton dispensing completes the fabrication quicker more efficiently, and more economically than conventional method.

Application:

- Isolation of sound and vibration from the source, double lock seam joined duct flexible connector fabric is used which is fixed to galvanized steel sheet metal is anchored with the equipment and the other end is anchored with the ductwork. Delta-flex offers flexibility in fabric and metal width.
- Delta-flex Flexible Duct Connector is comply with NFPA 701-2010 (Formerly UL 214).
- All Delta-flex Flexible Duct Connector are deigned to meet the stringent criteria of NFPA 701-2010 airtight and waterproof.

Features:

- Designed to meet NFPA 90A & 90B.
- Quick to install and economical.
- Strong airtight lock seams (Metal - Fabric - Metal)
- Delta-flex complemented with the 4 bolt slide on flange system and is ideal solution for ductwork connection system.
- Unmatched durability and strength.
- Available in various width of metal and fabric.
- Fire rated and high temperature resistant fabric is available for special applications such as kitchen extract ductwork, car park extract ductwork and industrial applications.
- Pre formed flexible connection fitted with 4 Bolt System Flange can be supplied in all sizes on request.
- Larger metal widths available to suit Transverse Duct Flanges (TDF), Transvers Duct Connector (TDC).
- Flexible Duct Connector uses 24 gauge or 28 gauge galvanized steel sheet complying to ASTM A653 (Formerly ASTM A 525) & ASTM A 924 with Zinc coating of Z 275 (G90) to give added corrosion resistance.
- Delta-flex Flexible Duct Connector standard roll length available is 100 feet or 150 feet.
- UAE Fire & UAE Safetycode of Practice (2017) duct connector.

1. Delta-flex DF-PV (Vinyl Coated Fabric)

Specification:

- Vinyl is the most used fabric for all air duct installations due to its high tear strength and its high abrasion resistance.
- Flame retardant coating.
- Resistant to weather and most chemicals.
- Not affected by mildew.
- Complying with NFPA 701-201 (UL 214).

2. Delta-flex DF-GN (Neoprene Commercial Coated)

Specification:

- Ideal for kitchen exhaust and fume hoods.
- Flame retardant coating with non-combustible fabric.
- Resistant to weather and most chemicals, fats, grease, and oil.
- Not affected by mildew.
- Complying to NFPA 701-2010 (UL 214).

3. Delta-flex DF-GN (Neoprene Heavy Duty Industrial Coated)

Specification:

- Neoprene is recommended for use in application where high mechanical strength is required.
- Ideal for kitchen exhaust and fume hoods.
- Flame retardant coating with non-combustible fabric.
- Resistant to weather and most chemicals, fats, grease, and oil.
- Not affected by mildew.
- Resistant to most alkalis, gasoline, and toxic fumes.
- Airtight and waterproof construction.
- Complying to NFPA 701-2010 (UL 214).

4. Delta-flex DF-GS (Silicone Coated) High Temperature

Specification:

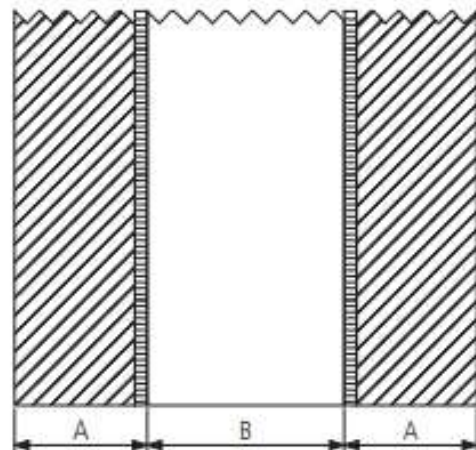
- Silicone fabric has a special silicone rubber coating that has excellent high temperature properties.
- Ideal for high temperature applications.
- Resistant to weather and most chemicals.
- Flame proof coating with non-combustible fabric.
- Resistant to chemical and ozone and emits very low smoke when burnt.
- Adversely affected by gas, toluene, acetone and grease.
- Not affected by mildew.
- Complying to NFPA 701-2010 (UL 214).

A = Steel Width

B = Fabric Width

T = Thickness of Steel: 0.4mm (28 ga.)
(European Standards)

L = Length of Roll: 100 feet



A = Steel Width		B = Fabric Width	
28 mm	1-1/8"	40 mm	1-9/16"
		60 mm	2-3/8"
		75 mm	3"
		100 mm	4"
35 mm	1-3/8"	40 mm	1-9/16"
		60 mm	2-3/8"
		75 mm	3"
		100 mm	4"
45 mm	1-3/4"	60 mm	2-3/8"
		75 mm	3"
		100 mm	4"
		150 mm	6"
70 mm	2-3/4"	75 mm	3"
		100 mm	4"
		150 mm	6"

INSULATED DUCT CONNECTOR

Delta-flex is a very strong fully flexible insulated duct connector and is widely used in air conditioning systems for commercial, industrial, and residential applications.

Ready carton dispensing completes the fabrication quicker more efficiently, and more economically than conventional method.

Application:

- Isolation of sound and vibration from the source and insulated fabric preventing condensation. Double lock seam joint provides strong and airtight metal - fabric - metal joint. Galvanized steel sheet metal is anchored with the equipment on one end and the other end is anchored with the ductwork. Delta-flex offers flexibility in fabric and metal width mostly available ex stock.
- Delta-flex Flexible Duct fabric complying with BS 3424 & BS 5438. All Delta-flex Flexible Duct Connectors are designed to meet UL 214 and airtight and waterproof.

Features:

- Quick and economical.
- Delta-flex complemented with the 4 bolt slide on flange system and is ideal solution for ductwork connection system.
- Insulated connection avoids condensation.
- Delta-flex fabrics are complying with UL 214 and BS 476 Part 7 (Class 1). Design to meet NFPA 7001 (Formerly UL 214).
- Unmatched durability and strength.
- Strong air tight lock seams (Metal - Fabric - Metal).
- Available in various width of metal and fabric.
- Fire rated and high temperature resistant fabric is available for special applications such as kitchen extract ductwork, car park extract ductwork and industrial applications.
- Pre formed flexible connection fitted with 4 Bolt System Flange can be supplied in all sizes on request.
- Larger metal widths available to suit Transverse Duct Flanges (TDF), Transvers Duct Connector (TDC).
- Flexible Duct Connector uses 24 gauge or 28 gauge galvanized steel sheet complying with ASTM A653 (Formerly ASTM A 525) & ASTM A 924 with Zinc coating of Z 275 (G90) to give added corrosion resistance.
- Insulation R Value - 4.2
- Delta-flex Flexible Duct Connector standard roll length available is 100 feet.

1. Delta-flex DF-PV-IN (Vinyl Coated) Industrial

Specification:

- Economical all-purpose fabric with excellent resistance to cuts, tears, or abrasions.
- Flame retardant coating.
- Resistant to weather and most chemicals.
- Not affected by mildew.
- Double UV resistance.
- Complying with UL 214.
- Complying with BS 5438/2A for fire retardant.

2. Delta-flex DF-GN-IN (Neoprene Commercial Coated)

Specification:

- Ideal for kitchen exhaust and fume hoods.
- Flame retardant coating with non-combustible fabric.
- Resistant to weather and most chemicals, fats, grease, and oil.
- Not affected by mildew.
- Double UV resistant.
- Complying with UL 214.
- Complying with BS 5438/2A for fire retardant.

3. Delta-flex DF-GN-IN (Neoprene Heavy Duty Industrial Coated)

Specification:

- Neoprene is recommended for use in application where high mechanical strength is required.
- Ideal for kitchen exhaust and fume hoods.
- Flame retardant coating with non-combustible fabric.
- Resistant to weather and most chemicals, fats, grease and oil.
- Not affected by mildew.
- Complying with UL 214.
- Complying with BS 476 part 7 Class 1.

4. Delta-flex DF-GS-IN (Silicone Coated) High Temperature

Specification:

- Ideal for high temperature applications.
- Resistant to weather and most chemicals.
- Flame proof coating with non-combustible fabric.
- Not affected by mildew.
- Complying with UL214.

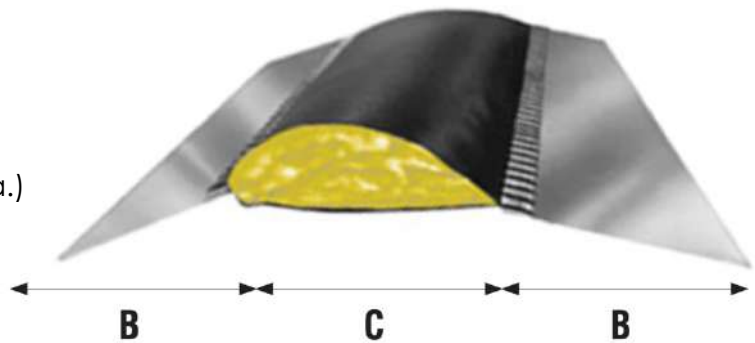
The duct connector fabric is available in three standard widths - 60, 75 and 100 mm. The duct connector with 100 mm wide fabric comes with a metal strip of 70 mm width. The remaining duct connectors are available with 45 mm wide steel strip.

A = Steel Width

B = Fabric Width

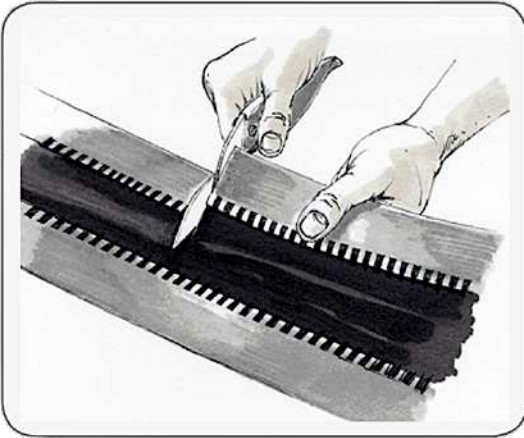
T = Thickness of Steel: 0.4mm (28 ga.)
(European Standards)

L = Length of Roll: 100 feet

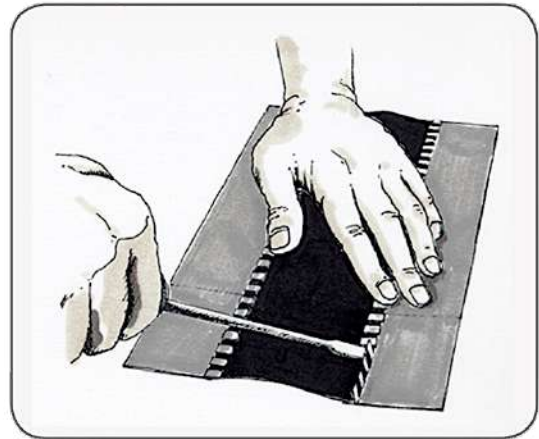


B = STEEL WIDTH		C = FABRIC WIDTH	
28 mm	1-1/8"	40 mm	1-9/16"
		60 mm	2-3/8"
		75 mm	3"
		100 mm	4"
35 mm	1-3/8"	40 mm	1-9/16"
		60 mm	2-3/8"
		75 mm	3"
		100 mm	4"
45 mm	1-3/4"	60 mm	2-3/8"
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70 mm	2-3/4"	75 mm	3"
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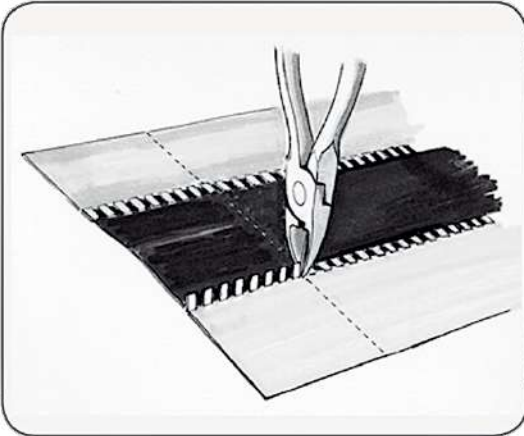
INSTALLATION INSTRUCTIONS



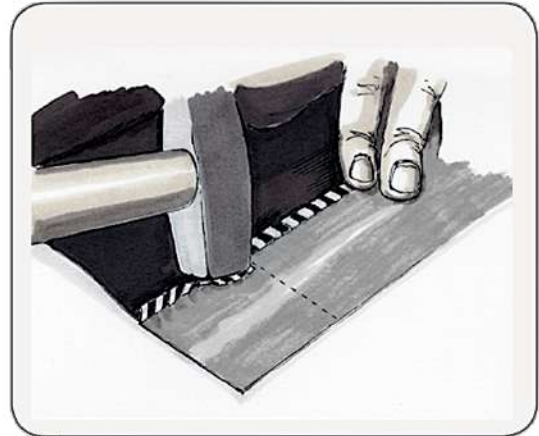
At a notch, cut a length equivalent to the perimeter required plus an overlap of 5 to 6 cm (2").



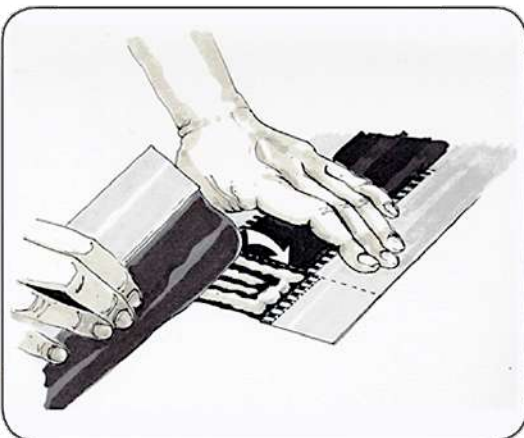
Lift the seam outwards at right angle.



Make a cut at the edge of the seam section.



Bend down the seam while ensuring that the cloth remains fastened.



Coat the cloth with the appropriate adhesive, or pad. Join both sides and press together.

Information contained herein is based on careful tests and experience. It reflects our knowledge and is for guidance purpose only. It is given in good faith and user should ensure that the product is fit for purpose before any application. The quoted values are average and should not be taken as maximum or minimum values for specific purposes. Manufacturer and distributor are not responsible for any non-recommended use or consequential damage.



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