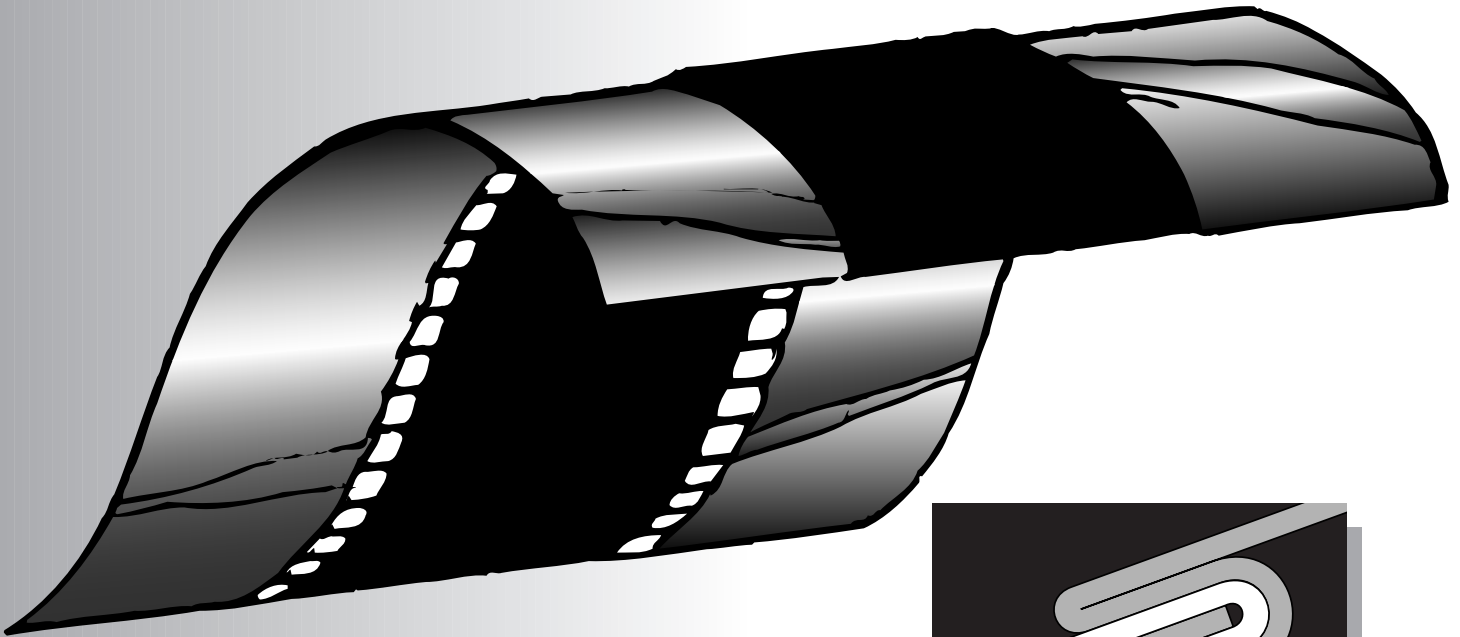


D U C T M A T E



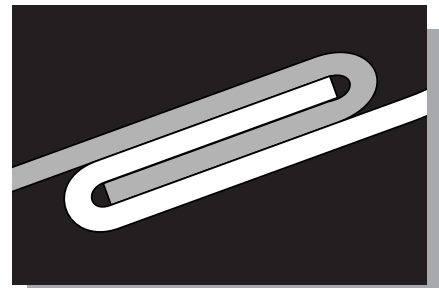
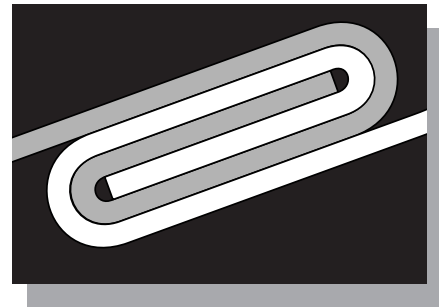
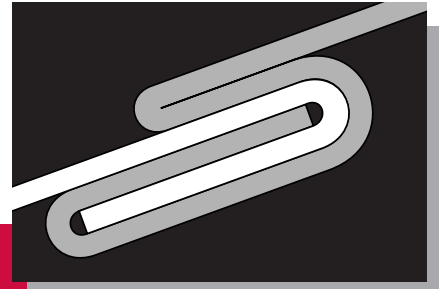
PROFlex™

Flexible Duct Connector



Vibration Dampening Duct Connector

- Commercial or residential applications
- Galvanized, stainless steel or aluminum metal
- Available in a variety of fabrics
- Pre-assembled with sheet metal permanently secured to fabric



DUCTMATE[®]
Industries, Inc.

HARDWARE

DESCRIPTION - COMMERCIAL

Flexible duct connector that eliminates duct system noises and vibrations for industrial and commercial applications.

BASIC USE

To isolate the vibration and noises to the source, an air-tight flexible joint, consisting of a fabric which is secured to sheet metal on both sides. Typically the connector is inserted between the equipment and the ductwork.

SPECIAL CHARACTERISTICS

Double-lock gripping fingers of metal to fabric adds to holding power
 Designed to meet NFPA 90A & 90B specifications
 Airtight and waterproof
 Galvanized steel which meets ASTM-A-653-94-G60
 Fabrics Meet UL214 (except Teflon®)

ORDERING INFORMATION

COMMERCIAL

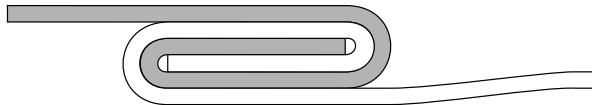
FABRIC	SIZE metal x fabric x metal	GAUGE metal	PART NO.
Vinyl Super Duty	All Fabrics:	24	PFC**VSGA
Neoprene Commercial	available in	24	PFC**NGA
Hypalon	3"x3"x3"	24	PFC**HGA
Silicone	4"x4"x4"	24	PFC**SGA
Teflon	3"x6"x3"	24	PFC**TGA

** = fabric size 3", 4" or 6"

Standard 100 ft. per carton.
 Metal is available in galvanized, stainless and aluminum.
 All fabrics are available without metal attached in 4¾" and 5¾" wide x 100 ft. per roll.
 For other alloys, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

PRODUCT GUARANTEE

All Proflex flexible duct connectors are guaranteed against defective material.



DESCRIPTION - SINGLE FOLD

Flexible duct connector that eliminates duct system noises and vibrations for industrial, commercial and residential applications.

BASIC USE

To isolate the vibration and noises to the source, an air-tight flexible joint, consisting of a fabric which is secured to sheet metal on both sides. Typically the connector is inserted between the equipment and the ductwork.

SPECIAL CHARACTERISTICS

Designed to meet NFPA 90A & 90B specifications
 Airtight and waterproof
 Galvanized steel which meets ASTM-A-653-94-G60
 Fabrics Meet UL214 (except Teflon®)

ORDERING INFORMATION

SINGLE-FOLD

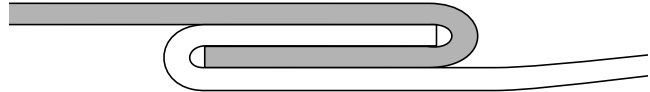
FABRIC	SIZE metal x fabric x metal	GAUGE metal	PART NO.
Vinyl Super Duty	All Fabrics:	24	PFCS*VSGA
Neoprene Commercial	available in	24	PFCS*NGA
Hypalon	4½"x3"x4½"	24	PFCS*HGA
Teflon	3"x3"x3"	24	PFCS*TGA
Silicone	3"x6"x3"	24	PFCS*SGA

* T3 = 4½"x3"x4½"; 3 = 3" x 3" x 3"; 6 = 3" x 6" x 3"

Standard 100 ft. per carton.
 Metal is available in galvanized, stainless and aluminum.
 All fabrics are available without metal attached in 4¾" and 5¾" wide x 100 ft. per roll.
 For other alloys, gauges, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

PRODUCT GUARANTEE

All Proflex flexible duct connectors are guaranteed against defective material.



DESCRIPTION - RESIDENTIAL PRO-TECT

Flexible duct connector that eliminates duct system noises and vibrations for residential applications.

BASIC USE

To isolate the vibration and noises to the source, an air-tight flexible joint, consisting of a fabric which is secured to sheet metal on both sides. Typically the connector is inserted between the equipment and the ductwork.

SPECIAL CHARACTERISTICS

- Additional fold protects fabric when breaking
- Double-lock gripping fingers of metal to fabric adds to holding power
- Additional fold causes the fabric and metal to lay flat
- Designed to meet NFPA 90A & 90B specifications
- Airtight and waterproof
- 28 gauge galvanized steel which meets ASTM-A-653-94-G60
- Fabrics Meet UL214 listed (except Teflon®)

ORDERING INFORMATION

RESIDENTIAL

FABRIC	SIZE metal x fabric x metal	GAUGE metal	PART NO.
Vinyl	All Fabrics	28	PFR03VGA
Neoprene Residential	available in:	28	PFR03NGA
Hypalon	1½" x 3" x 1½"	28	PFR03HGA
Silicone		28	PFR03SGA

ECONOMY

FABRIC	SIZE metal x fabric x metal	GAUGE metal	PART NO.
Vinyl	All Fabrics	28	PFE04VGA
Neoprene Residential	available in:	28	PFE04NGA
Hypalon	2¾" x 4" x 2¾"	28	PFE04HGA
Silicone		28	PFE04SGA

Standard 100 ft. per carton.

Vinyl and Neoprene available in 150 ft. per carton. *(Please specify)*

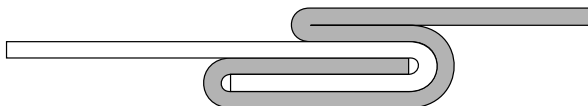
Metal is available in galvanized, stainless and aluminum.

All fabrics are available without metal attached in 4¾" and 5¾" wide x 100 ft. per roll.

For other alloys, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

PRODUCT GUARANTEE

All Proflex flexible duct connectors are guaranteed against defective material.



FABRIC SPECIFICATIONS

VINYL (coated fabric)

Base Fabric: woven polyester
 Color: black
 Weight: 13 oz./sq. yd.
 Tongue Tear: 77/77 lbs.
 Tensile Strength: 220/220 lbs.
 Low Temperature: -4°F
 High Temperature: 160°F

VINYL SUPER DUTY™ (coated fabric)

Base Fabric: woven nylon
 Color: black
 Weight: 22 oz./sq. yd.
 Tongue Tear: 150/150 lbs.
 Tensile Strength: 500/400 lbs.
 Low Temperature: -40°F
 High Temperature: 180°F

NEOPRENE COMMERCIAL (coated fabric)

Base Fabric: woven fiberglass
 Color: black
 Weight: 30 oz./sq. yd.
 Tongue Tear: 25/20 lbs.
 Tensile Strength: 500/500 lbs.
 Low Temperature: -40°F
 High Temperature: 200°F

NEOPRENE RESIDENTIAL (coated fabric)

Base Fabric: woven fiberglass
 Color: black
 Weight: 24 oz./sq. yd.
 Tongue Tear: 25/20 lbs.
 Tensile Strength: 500/500 lbs.
 Low Temperature: -40°F
 High Temperature: 200°F

HYPALON (coated fabric)

Base Fabric: woven fiberglass
 Color: white
 Weight: 24 oz./sq. yd.
 Tongue Tear: 20/15 lbs.
 Tensile Strength: 500/500 lbs.
 Low Temperature: -50°F
 High Temperature: 250°F

SILICONE (coated fabric)

Base Fabric: satin weave fiberglass
 Color: aluminum
 Weight: 17.5 oz./sq. yd.
 Tongue Tear: 50/40 lbs.
 Tensile Strength: 200/150 lbs.
 Low Temperature: -67°F
 High Temperature: 500°F

TEFLON® (coated fabric)

Base Fabric: woven fiberglass
 Color: gray
 Weight: 18 oz./sq. yd.
 Tongue Tear: 60/40 lbs.
 Tensile Strength: 400/300 lbs.
 Low Temperature: -67°F
 High Temperature: 500°F

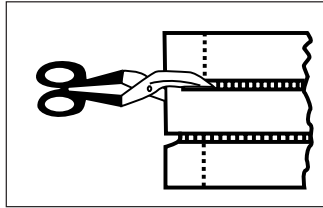
FEATURES:

- 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
- Meets UL214
- Strongest all-purpose fabric in the industry with excellent resistance to cuts, tears or abrasions
- Flame retardant coating
- Resistant to weather and most chemicals
- Not affected by mildew
- UL214 Listed
- Conforms to UL requirements
- Ideal for kitchen exhaust & fume hoods
- Fire retardant coating with non-combustible fabric
- Resistant to weather and most chemicals, fat, grease and oil
- Not affected by mildew
- UL214 listed
- Ideal for kitchen exhaust & fume hoods
- Fire retardant coating with non-combustible fabric
- Resistant to weather and most chemicals, fat, grease and oil
- Not affected by mildew
- UL214 listed
- Ideal for outdoor applications; kitchen exhaust & fume hoods
- Flame proof coating with non-combustible fabric
- Resistant to weather and most chemicals, fat, grease and oil
- UV Resistant
- Not affected by mildew
- UL214 listed
- Ideal for high temp applications
- Flame proof coating with non-combustible fabric
- Resistant to weather and most chemicals
- Adversely affected by gas, Toluene, Acetone and grease
- Not affected by mildew
- UL214 listed
- Excellent chemical resistance
- Excellent flexibility in extreme temperatures
- Flame proof coating with non-combustible fabric
- Not affected by mildew

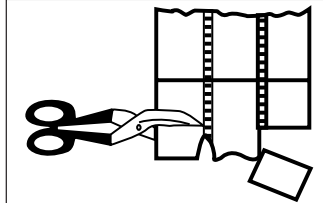
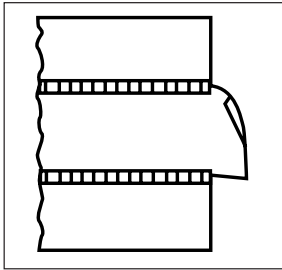
INSTALLATION INSTRUCTIONS

To seam flexible connector at corner of connector:

1. Cut through center of lock as indicated. Cut 1" to 1 1/2" deep to allow sufficient lap.

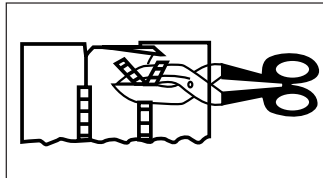
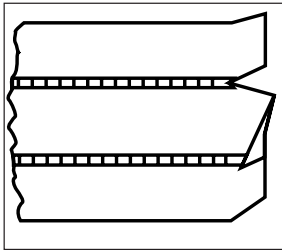


2. Option A:



Pull fabric free of lock. Snip severed lock as indicated. Ends of metal are now ready for bending and joining.

2. Option B:



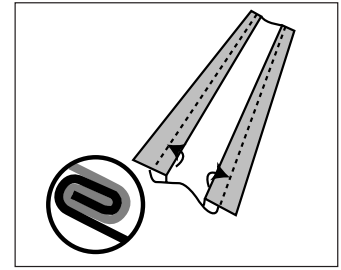
From edge of connector, cut away metal as indicated. Metal falls away exposing fabric ready for seaming.

3. Put a liberal amount of sealant between the two fabric flaps and press the two pieces together to allow the sealant to spread out. Roll the flap ends together and staple the seal 1" O.C. (going through both pieces of fabric and the sealant). Allow a minimum of 24 hours curing time before flexing the connection.

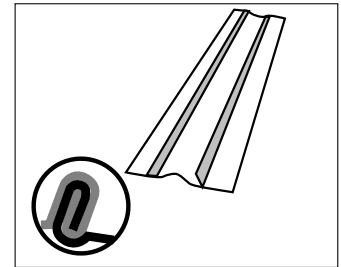
To stiffen a flexible connector:

(Recommended for Commercial applications)

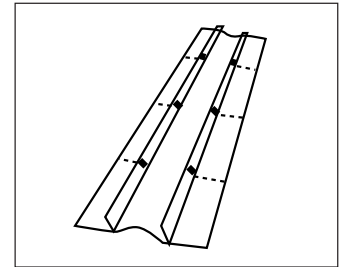
1. Lay out the connector as you normally do.



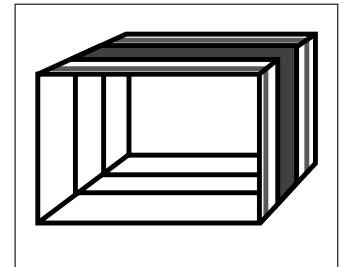
2. Bend seam up to 90° on brake as indicated in drawing.



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



4. Bend to form completed connector.



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