

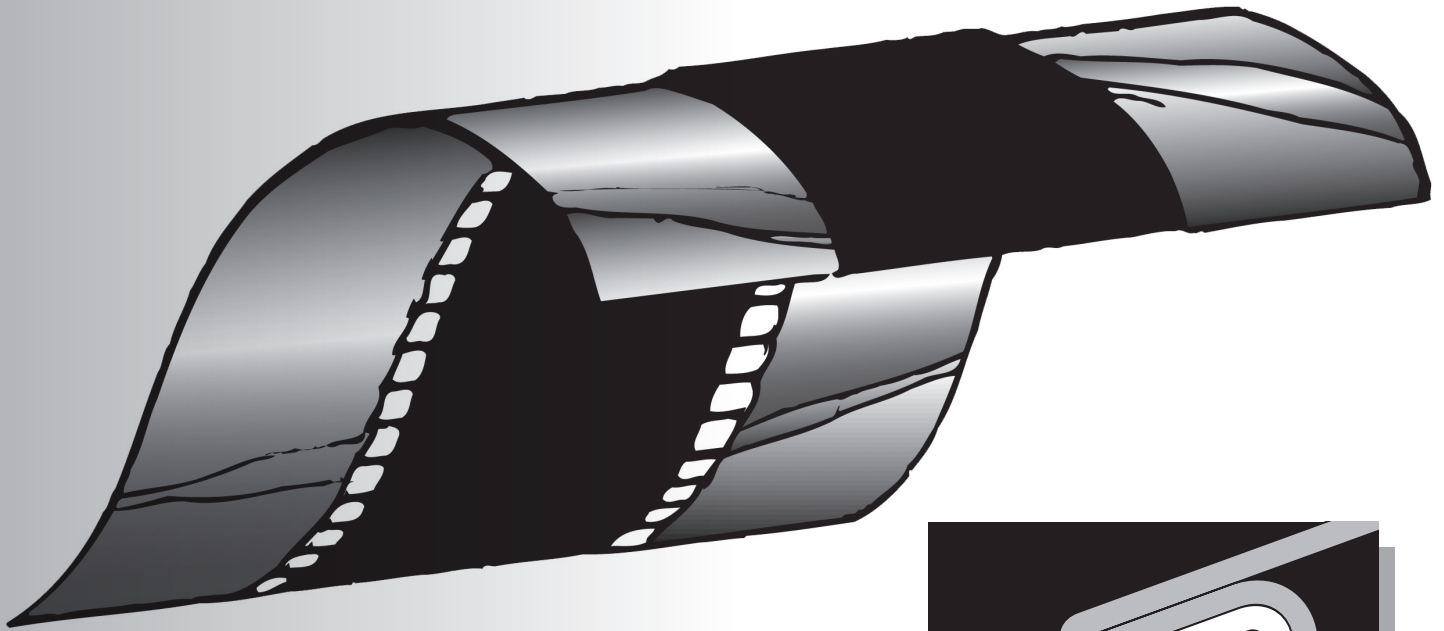
D U C T M A T E

PRO*flex*TM



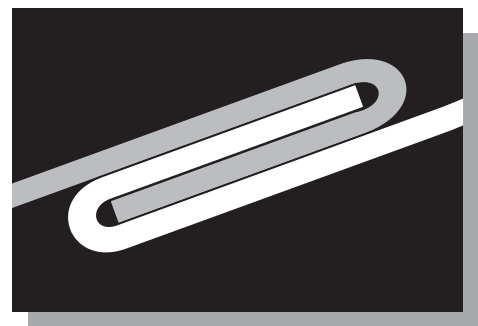
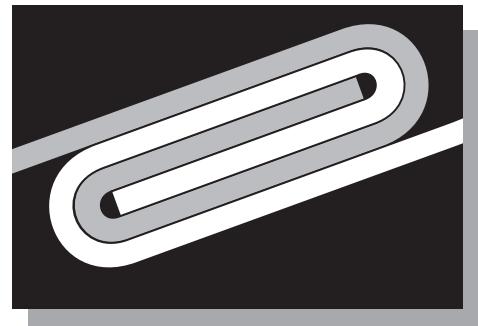
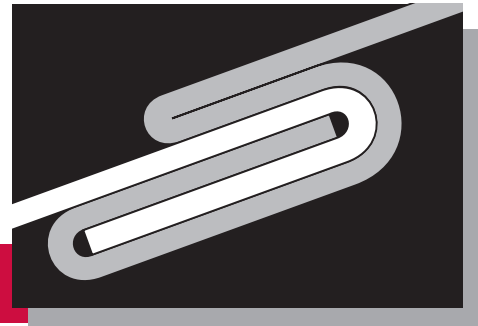
FLEXIBLE
CONNECTION SYSTEM

Flexible Duct Connector



Vibration Dampening Duct Connector

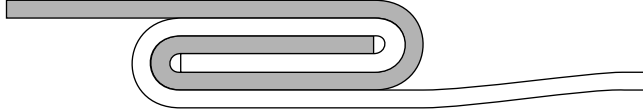
- Commercial or residential applications
- Galvanized, stainless steel or aluminum metal
- Available in a variety of fabrics
- Pre-assembled with sheet metal permanently secured to fabric



 **DUCTMATE**[®]
Industries, Inc.

DESCRIPTION-COMMERCIAL

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



BASIC USE

Typically inserted between the machinery and the ductwork, Proflex is an airtight, flexible joint that isolates vibration to the source and reduces noise inside the duct system.

SPECIAL CHARACTERISTICS

- Double-lock gripping fingers of metal to fabric adds to holding power
- Designed to meet NFPA 90A & 90B specifications
- Airtight and waterproof at 10" w.g. to 10" negative w.g.
- 24GA galvanized steel which meets ASTM-A-653-94-G60
- Fabrics meet NFPA 701 (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.

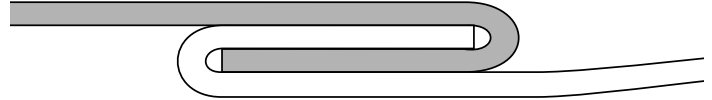
For other alloys, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

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

Typically inserted between the machinery and the ductwork, Proflex is an airtight, flexible joint that isolates vibration to the source and reduces noise inside the duct system.

SPECIAL CHARACTERISTICS

- Designed to meet NFPA 90A & 90B specifications
- Airtight and waterproof at 10" w.g. to 10" negative w.g.
- 24GA galvanized steel which meets ASTM-A-653-94-G60
- Fabrics meet NFPA 701 (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.

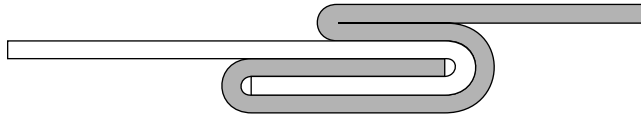
For other alloys, gauges, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

PRODUCT GUARANTEE

All Proflex flexible duct connectors are guaranteed against defective material.

DESCRIPTION-RESIDENTIAL

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



BASIC USE

Typically inserted between the machinery and the ductwork, Proflex is an airtight, flexible joint that isolates vibration to the source and reduces noise inside the duct system.

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 at 10" w.g. to 10" negative w.g.
- 28 gauge galvanized steel which meets ASTM-A-653-94-G60
- Fabrics meet NFPA 701 (except Teflon®)

ORDERING INFORMATION

RESIDENTIAL

FABRIC	SIZE metal x fabric x metal	GAUGE	PART NO.
Vinyl	All Fabrics	28	PFRO3VGA
Neoprene Residential	available in:	28	PFRO3NGA
Hypalon	1 3/4" x 3" x 1 3/4"	28	PFRO3HGA
Silicone		28	PFRO3SGA

ECONOMY

FABRIC	SIZE metal x fabric x metal	GAUGE	PART NO.
Vinyl Super Duty™	All Fabrics	28	PFE04VGA
Neoprene Residential	available in:	28	PFE04NGA
Hypalon	2 3/4" x 4" x 2 3/4"	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 4 3/4" and 5 3/4" 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 RESIDENTIAL (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: -40°F
High Temperature: 160°F

- Economical all-purpose fabric with excellent resistance to cuts, tears and abrasions
- Flame retardant coating
- Resistant to weather and most chemicals
- Meets NFPA 701

VINYL SUPER DUTY™ (coated fabric)

Base Fabric: woven nylon
Color: black
Weight: 22 oz./sq. yd.
Tongue Tear: 115/85 lbs.
Tensile Strength: 500/400 lbs.
Low Temperature: -22°F
High Temperature: 158°F

- Strongest all-purpose fabric in the industry with excellent resistance to cuts, tears and abrasions
- Flame retardant coating
- Resistant to weather and most chemicals
- Mildew resistant per ASTM G-21
- Meets NFPA 701

NEOPRENE COMMERCIAL (coated fabric)

Base Fabric: woven fiberglass
Color: black
Weight: 30 oz./sq. yd.
Tongue Tear: 25/20 lbs.
Tensile Strength: 475/375 lbs.
Low Temperature: -40°F
High Temperature: 200°F

- Ideal for fume hoods
- Fire retardant coating with non-combustible fabric
- Resistant to weather and most chemicals, fat, grease and oil
- Meets NFPA 701

NEOPRENE RESIDENTIAL (coated fabric)

Base Fabric: woven fiberglass
Color: black
Weight: 24 oz./sq. yd.
Tongue Tear: 25/20 lbs.
Tensile Strength: 475/375 lbs.
Low Temperature: -40°F
High Temperature: 200°F

- Ideal for fume hoods
- Fire retardant coating with non-combustible fabric
- Resistant to weather and most chemicals, fat, grease and oil
- Meets NFPA 701

HYPALON (coated fabric)

Base Fabric: woven fiberglass
Color: white
Weight: 24 oz./sq. yd.
Tongue Tear: 20/15 lbs.
Tensile Strength: 400/300 lbs.
Low Temperature: -50°F
High Temperature: 250°F

- Ideal for outdoor applications & fume hoods
- Flame proof coating with non-combustible fabric
- Resistant to weather and most chemicals, fat, grease and oil
- UV Resistant
- Meets NFPA 701

SILICONE (coated fabric)

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

- 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
- Meets NFPA 701
- FFDCA Approved for use near food prep

TEFLON® (coated fabric)

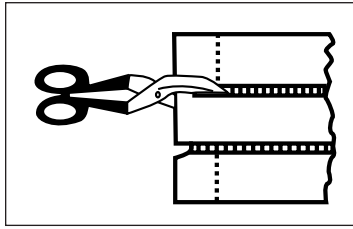
Base Fabric: woven fiberglass
Color: gray
Weight: 18 oz./sq. yd.
Tongue Tear: 60/40 lbs.
Tensile Strength: 400/300 lbs.
Low Temperature: -67°F
High Temperature: 500°F

- Excellent chemical resistance
- Excellent flexibility in extreme temperatures
- Flame proof coating with non-combustible fabric
- FFDCA Approved for use near food prep

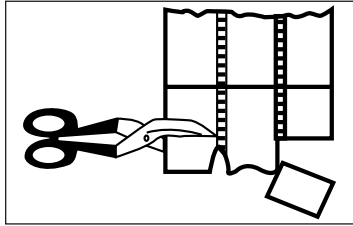
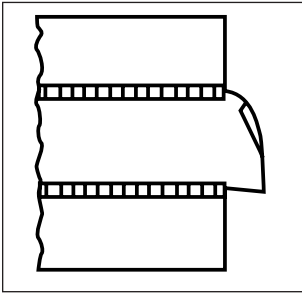
INSTALLATION

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.

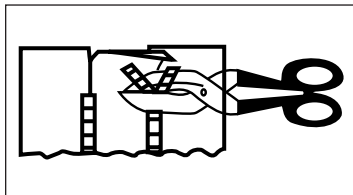
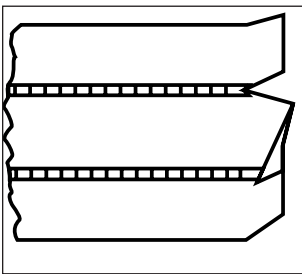


2. Option A:



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

2. Option B:



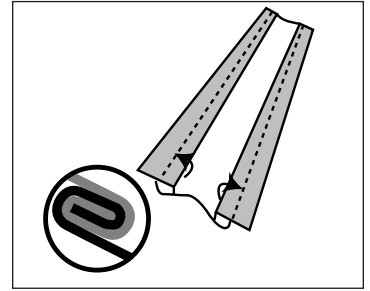
From edge of connector, cut away metal as indicated. Metal falls away exposing fabric ready for seaming.

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.

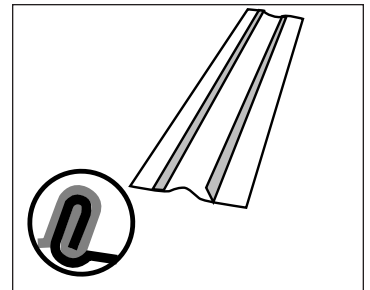
To stiffen a flexible connector:

(Recommended for Commercial applications)

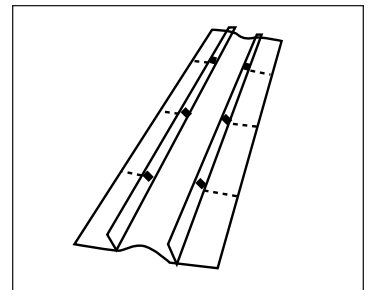
1. Lay out the connector as you normally do.



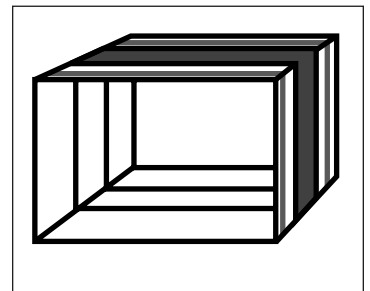
2. Bend seam up to 90° on brake as indicated in drawing.



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



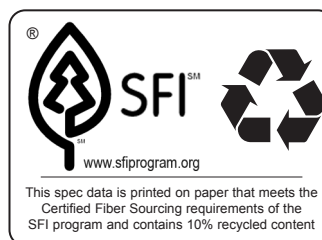
4. Bend to form completed connector.



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