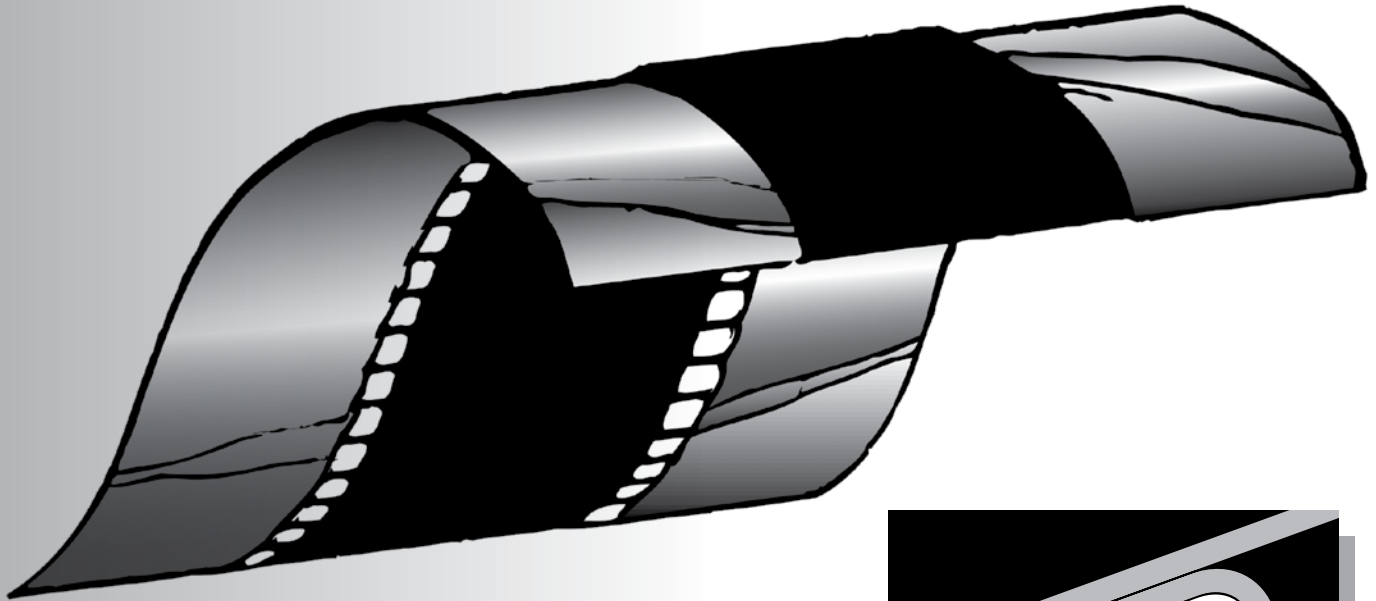


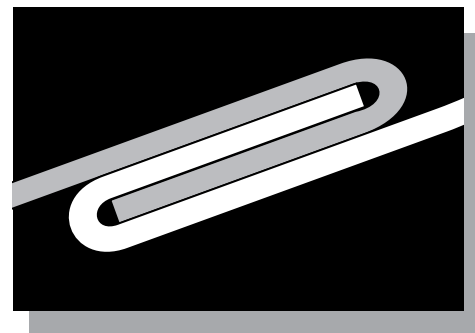
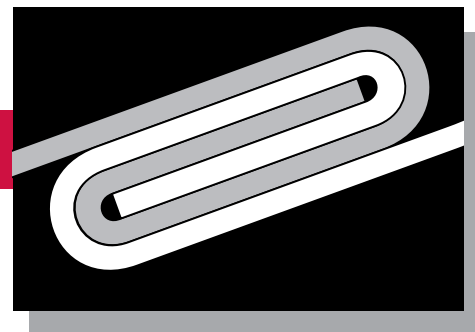
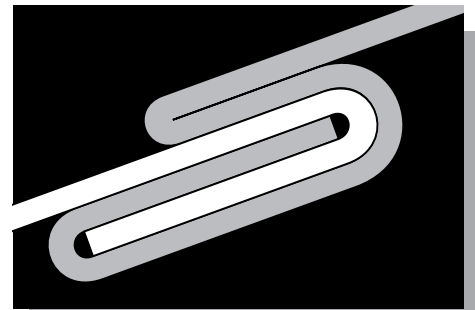
Proflex™



## Flexible Duct Connector

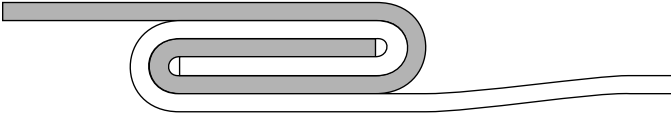
### Vibration Dampening Duct Connector

- 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



### 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 metal x fabric x metal	SIZE metal	GAUGE	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 4<sup>3</sup>/<sub>4</sub>" and 5<sup>3</sup>/<sub>4</sub>" wide x 100 ft. per roll.

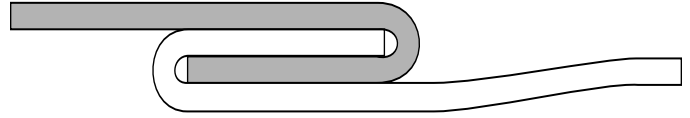
For other alloys, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

### LIMITED PRODUCT WARRENTY

\* See Back Panel

### 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	4 <sup>1</sup> / <sub>2</sub> "x3"x4 <sup>1</sup> / <sub>2</sub> "	24	PFCS*HGA
Teflon	3"x3"x3"	24	PFCS*TGA
Silicone	3"x6"x3"	24	PFCS*SGA

\* T3 = 4<sup>1</sup>/<sub>2</sub>"x3"x4<sup>1</sup>/<sub>2</sub>"; 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 4<sup>3</sup>/<sub>4</sub>" and 5<sup>3</sup>/<sub>4</sub>" wide x 100 ft. per roll.

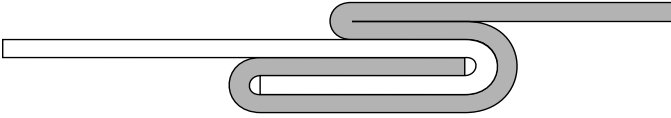
For other alloys, gauges, fabric sizes or chemical resistance information, consult your nearest Ductmate distributor or call Ductmate direct.

### LIMITED PRODUCT WARRENTY

\* See Back Panel

## 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 <sup>3</sup> / <sub>4</sub> " x 3" x 1 <sup>3</sup> / <sub>4</sub> "	28	PFRO3HGA
Silicone		28	PFRO3SGA

### ECONOMY

FABRIC	SIZE metal x fabric x metal	GAUGE	PART NO.
Vinyl Super Duty™	All Fabrics	28	PFEO4VGA
Neoprene Residential	available in:	28	PFEO4NGA
Hypalon	2 <sup>3</sup> / <sub>4</sub> " x 4" x 2 <sup>3</sup> / <sub>4</sub> "	28	PFEO4HGA
Silicone		28	PFEO4SGA

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<sup>3</sup>/<sub>4</sub>" and 5<sup>3</sup>/<sub>4</sub>" wide x 100 ft. per roll.

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

## LIMITED PRODUCT WARRANTY

\* See Back Panel

## 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
- FFCA Approved for use near food prep

### TEFLON® (coated fabric)

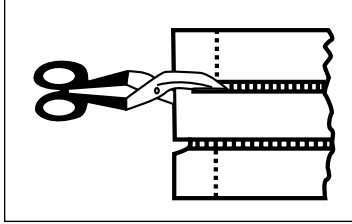
Base Fabric: woven fiberglass  
 Color: gray  
 Weight: 18 oz./sq. yd.  
 Tongue Tear: 60/40 lbs.  
 Tensile Strength: 400/300 lbs.  
 Low Temperature: -67°F  
 High Temperature: 500°F

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

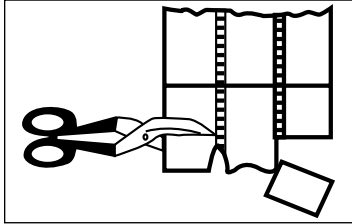
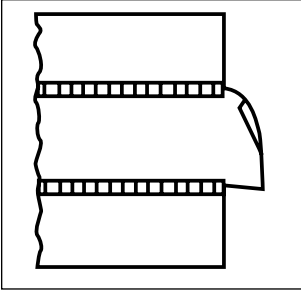
## INSTALLATION

### 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.

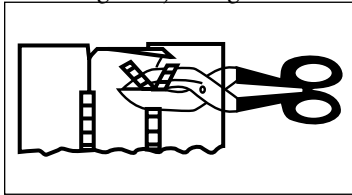
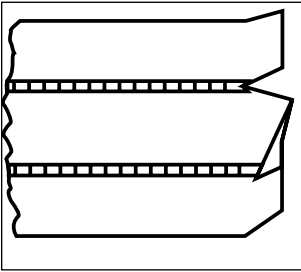


2. Option A:



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

2. Option B:

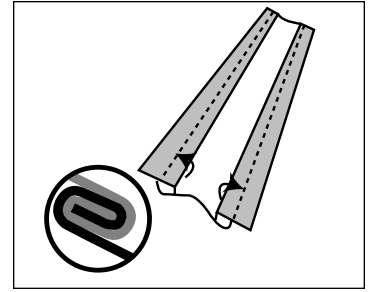


From edge of connector, cut away metal as indicated. Metal falls away exposing fabric ready for seaming.

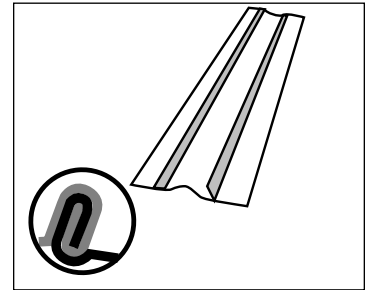
3. Put a liberal amount of sealant between the two fabric flaps and press the two pieces together to allow the sealant to spread out. Roll the flap ends together and staple the seal 1" O.C. (going through both pieces of fabric and the sealant). Allow a minimum of 24 hours curing time before flexing the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

### To stiffen a flexible connector: (Recommended for Commercial applications)

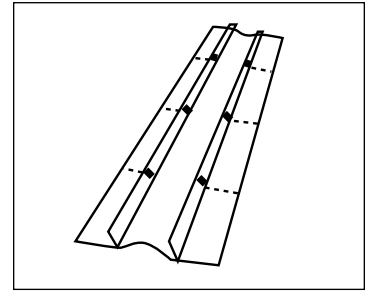
1. Lay out the connector as you normally do.



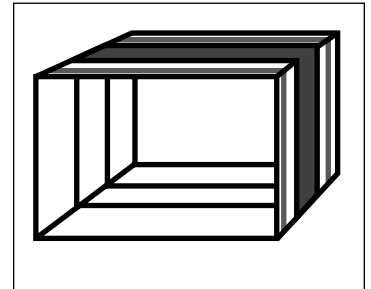
2. Bend seam up to 90° on brake as indicated in drawing.



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



4. Bend to form completed connector.



## \* LIMITED PRODUCT WARRANTY

Ductmate warrants that the PROflex™ for the installation of tie rod reinforcements into ductwork, when properly installed and maintained, will be free from defects in material and workmanship, and will comply with all written specifications made by Ductmate at the time of sale. Ductmate's warranty shall run for a period of one year from the date of manufacture.

#### Warranty Limitation

The warranty stated above is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Although Ductmate may have suggested the product, or provided written or oral advice to the Purchaser, it is the Purchaser's responsibility to test and determine the suitability of the PROflex™ for the intended use and purpose, and Purchaser and/or its customer assumes all risk and liability whatsoever regarding such suitability.

#### Limitation of Liability

In the event of a breach of the above warranty, Ductmate's sole obligation, and Purchaser's sole and exclusive remedy, shall be, at Ductmate's option, repair or replacement of any defective products, or refund of an applicable portion of the purchase price. Ductmate shall have no liability for costs of removal or reinstallation of the product. The Purchaser agrees that no other remedy, including but not limited to loss of profits, loss sales, injury to person or property, or any other special, incidental or consequential damages, shall be available to the Purchaser for any claim arising out of this Agreement, regardless of whether such claim is made in contract or in tort, including strict liability in tort. In no event will Ductmate be obligated to pay damages to the Purchaser in any amount exceeding the purchase price that the Purchaser paid to Ductmate for the allegedly defective product.



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