

PRE-ASSEMBLED

FLEXIBLE DUCT CONNECTOR

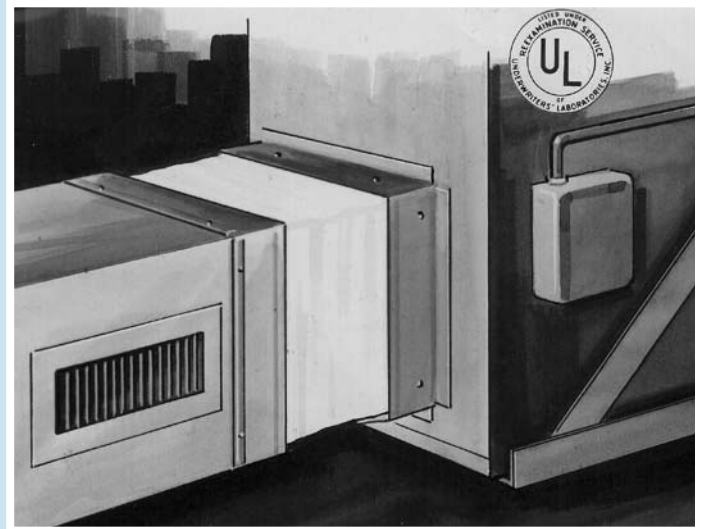
ELIMINATES DUCT SYSTEM NOISES AND VIBRATIONS

All air duct installations for heating, cooling or ventilation are attached to mechanical equipment containing a fan or blower. Vibrations, noises and rattles resulting from the operation of the fan or blower are transmitted into the metal ducts which carry the noises throughout the system.

In order 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, must be inserted between the equipment and the ductwork. This flexible joint is called a "Flexible Duct Connector."

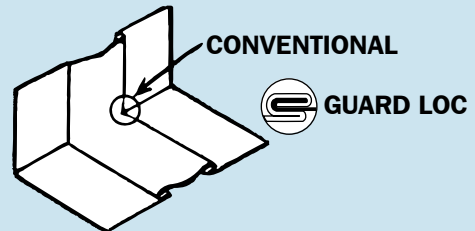
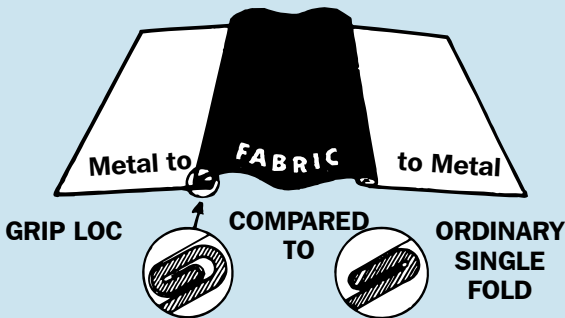
To meet every type of installation requirement, whether it be for factory, institution, office or home; Duro Dyne offers the widest variety of flexible duct connector fabrics (U.L. Classified) and sizes; pre-assembled with the sheet metal permanently

secured to the fabric by means of exclusive seam locks. Duro Dyne Flexible Duct Connectors are dispensed from the carton, ready to complete fabrication faster, more efficiently, and more economically than any conventional method.



GRIP LOC™

The double-lock gripping fingers of metal-to-fabrics add tremendously to the holding power compared to the conventional singlefold method. **Grip Loc is standard on Metal-Fab and Super Metal-Fab.**



GUARD LOC™

Another Duro Dyne exclusive. - Shielded with metal on both sides at the seam, Guard Loc forms a tough metal-to-fabric bond. Forming in a brake is simpler, and Guard Loc prevents tears in the fabric because of unique metal-shielded seams. **Guard Loc is standard in Econ-O-Fab, Junior and Insulflex Connector.**

DUCT FABRICS

(For SPECIFICATIONS please refer to FABRICS on page 3).

Glasseal	Width	Length
#10044 DGL-6	6"	100 ft.
#10052 DGL-10	10"	100 ft.

Neoprene	Width	Length
#10043 DFN-6	6"	100 ft.
#10051 DFN-10	10"	100 ft.

Excelon	Width	Length
#10161 DBX-6	6"	100 ft.
#10162 DBX-10	10"	100 ft.

Durolon	Width	Length
#10042 DFD-6	6"	100 ft.
#10050 DFD-10	10"	100 ft.

Thermafab	Width	Length
#10045 DFT-6	6"	100 ft.
#10053 DFT-10	10"	100 ft.

Metric Conversions		
6" = 152 mm	10" = 254 mm	100 ft. = 30.48 m

Canvas, other fabrics & sizes available as special order.

FABRICS

ENVIROFAB UL Classified File# R4462

ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10301 MEV4-100	Color: Black/White Base Fabric: Polyester Coating: Vinyl	Weight: 18 oz./sq. yd. (610 g/sq. meter) Tensile Strength: 200 lbs. x 190 lbs. (889 N x 845 N) Tear Strength: 60 lbs. x 80 lbs. (267 N x 356 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 200°F (93°C)	<ul style="list-style-type: none"> Environmentally 'Green' Connector Minimum 10% recycled content UV reflective (white side) Unaffected by mildew
#10302 JEV-100			
#10300 MEV4x4x4-100			

DYNALON UL Classified File# R4462

ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10316 MYL4-100	Color: White Base Fabric: Polyester Coating: Proprietary Alloy	Weight: 24 oz./sq. yd. (814 g/sq. meter) Tensile Strength: 280 lbs. x 235 lbs. (1245 N x 1045 N) Tear Strength: 100 lbs. x 100 lbs. (485 N x 445 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 260°F (126°C)	<ul style="list-style-type: none"> Low Cost Substitute for Hypalon Specifically formulated for outdoor use. Excellent weather and ozone resistance Unaffected by mildew
#10317 JYL-100			
#10315 MYL4x4x4-100			

GLASSEAL UL Classified File# R4462

ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10004 MGL Metalfab	Color: Grey & Black Base Fabric: Woven Fiberglass Coating: Vinyl	Weight: 12 oz./sq. yd. (407 g/sq. meter) Tensile Strength: 90 lbs. x 90 lbs. (400 N x 400 N) Tear Strength: 8 lbs. x 9 lbs. (36 N x 40 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 180°F (82°C)	<ul style="list-style-type: none"> Good, low cost Resistant to acids & chemical fumes Resistant to grease & alkalis Unaffected by mildew
#10016 MF6G Super Metalfab			
#10036 EGL Econofab			
#10029 JGL Junior			

EXCELON® UL Classified File# R4462

ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10159 MBX Metalfab*	Color: *Black or *Spec Chek Orange Base Fabric: Woven Nylon/Polyester Blend Coating: Vinyl	Weight: Commercial Grade - 22 oz./sq. yd. (746 g/sq. meter) Residential Grade - 17 oz./sq. yd. (576 g/sq. meter) Tensile Strength: 240 lbs. x 220 lbs. (1067 N x 978 N) Tear Strength: 100 lbs. x 100 lbs. (445 N x 445 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 180°F (82°C)	<ul style="list-style-type: none"> Excellent water resistance Excellent tear strength Excellent all purpose fabric Unaffected by mildew
#10263 MSPX Metalfab#			
#10160 MB6X Super Metalfab*			
#10265 MSP6X Super Metalfab#			
#10171 EBX Econofab*			
#10169 JBX Junior*			
#10210 MBXTDC/TDF 4x4x4*			
#10264 MSPXTDC/TDF 4x4x4#			
#10214 MBXTDC/TDF 4x6x4*			

NEOPRENE (STANDARD GRADE) UL Classified File# R4462

ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10105 MLN Metalfab	Color: Black Base Fabric: Woven Fiberglass Coating: Neoprene	Weight: 22 oz./sq. yd. (746 g/sq. meter) Tensile Strength: 500 lbs. x 500 lbs. (2224 N x 2224 N) Tear Strength: 13 lbs. x 13 lbs. (58 N x 58 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 200°F (93°C)	<ul style="list-style-type: none"> Extremely resistant to alkalis & gasoline Excellent on systems exposed to toxic fumes Good general purpose fabric Unaffected by mildew
#10148 ML6N Super Metalfab			
#10035 EFN Econofab			
#10028 JRN Junior			

FABRICS (CONTINUED)

NEOPRENE (SPECIFICATION GRADE) UL Classified File# R4462			
ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10003 MFN Metalfab	Color: Black Base Fabric: Woven Fiberglass Coating: Neoprene	Weight: 30 oz./sq. yd. (1017 g/sq. meter) Tensile Strength: 500 lbs. x 500 lbs. (2224 N x 2224 N) Tear Strength: 13 lbs. x 13 lbs. (58 N x 58 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 200°F (93°C)	<ul style="list-style-type: none"> •Extremely resistant to alkalies & gasoline •Excellent on systems exposed to toxic fumes •Good general purpose fabric •Unaffected by mildew
#10012 MF6N Super Metalfab			
#10211 MFN TDC/TDF 4x4x4			
#10246 MFN TDC/TDF 4x6x4			

DUROLON UL Classified File# R4462			
ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10002 MFD Metalfab	Color: White Base Fabric: Woven Fiberglass Coating: Hypalon	Weight: 24 oz./sq. yd. (814 g/sq. meter) Tensile Strength: 250 lbs. x 275 lbs. (1120 N x 1223 N) Tear Strength: 13 lbs. x 13 lbs. (58 N x 58 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 250°F (121 °C)	<ul style="list-style-type: none"> •Excellent ozone resistance •Excellent resistance to weathering •Best overall acid resistance •Recommended for rooftop applications •Unaffected by mildew
#10011 MF6D Super Metalfab			
#10034 EFD Econofab			
#10027 JRD Junior			
#10237 MFD TDC/TDF 4x4x4			
#10245 MFD TDC/TDF 4x6x4			

THERMAFAB UL Classified File# R4462			
ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10005 MFT Metalfab	Color: Grey Base Fabric: Woven Fiberglass Coating: Silicon Rubber	Weight: 17 oz./sq. yd. (576 g/sq. meter) Tensile Strength: 200 lbs. x 250 lbs. (889 N x 1120 N) Tear Strength: 50 lbs. x 40 lbs. (222N x 178 N) Low Temp: -65°F (-54°C) High Temp (Continuous): 500°F (260°C)	<ul style="list-style-type: none"> •Excellent high temp. resistance •Excellent low temp. resistance •Excellent chemical resistance •Extremely low smoke emission •Excellent ozone resistance •Excellent resistance to weathering •Unaffected by mildew
#10013 MF6T Super Metalfab			
#10037 EFT Econofab			
#10030 JRT Junior			

- All Duro Dyne Fabrics are designed to meet NFPA 701 (formerly UL 214.)
- All Duro Dyne Fabrics are designed to meet NFPA 90A & 90B.
- All Duro Dyne Fabrics are airtight and waterproof.
- All Duro Dyne Flexible Duct Connector utilize 24 or 28 gauge (.7 mm or .47 mm) galvanized steel meeting ASTM-A-525 G60.
- Standard roll length - 100 ft. (30.48 m)
- Flexible Duct Connector is available with 300 series stainless steel or aluminum.
- Flexible Duct Connector and Vane Rail are manufactured in the United States.

NOTE: All specification values shown in this catalog are typical and will vary within accepted commercial tolerances

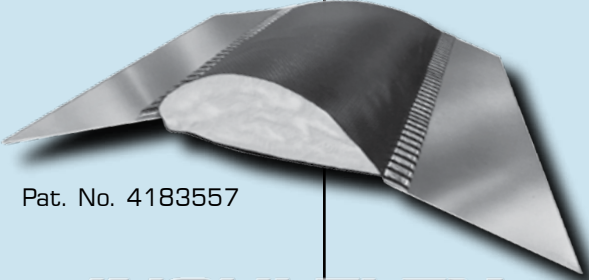
INDUSTRIAL/COMMERCIAL APPLICATIONS

METAL FAB™	SPECIFICATIONS (Metric)
Metal Fab is constructed of material which meets the requirements of heavy commercial systems. This factory fabricated flexible duct connection will allow for normal vibration in large duct systems without inhibiting the effectiveness of the flexible duct connector.	Gauge: 24 Galvanized (.7 mm)
	Dimensions: 3" metal - 3" fabric - 3" metal (76 mm metal - 76 mm fabric - 76 mm metal)
	Fabrics Supplied: Durolon, Excelon, Neoprene, Glasseal, Thermafab, Envirofab, Dynalon
	Seam: Grip Loc

SUPER METAL FAB	SPECIFICATIONS (Metric)
Super Metal Fab is constructed of material to provide for special commercial duct systems. Very large equipment can cause excessive vibration. To compensate for this, a wider fabric is used to eliminate the transmission of vibration to the duct.	Gauge: 24 Galvanized (.7 mm)
	Dimensions: 3" metal - 6" fabric - 3" metal (76 mm metal - 152.4 mm fabric - 76 mm metal)
	Fabrics Supplied: Durolon, Excelon, Neoprene, Glasseal, Thermafab
	Seam: Grip Loc
TDC/TDF CONNECTOR	SPECIFICATIONS (Metric)
TDC/TDF Connector has ample material for roll forming a connecting flange on both sides of the flexible connection. This product is designed to be compatible with both TDC (Lockformer) and TDF (Engel) roll forming flange-fabricating equipment.	Gauge: 24 Galvanized (.7 mm)
	Dimensions: 4" metal - 4" fabric - 4" metal (102 mm metal - 102 mm fabric - 102 mm metal)
	Fabrics Supplied: Durolon, Excelon, Neoprene, Glasseal, Thermafab, Envirofab, Dynalon
	Seam: Grip Loc
	Also Available: 4" metal -6" fabric -4" metal (102 mm metal - 15 mm fabric - 102 mm metal)

RESIDENTIAL/LIGHT COMMERCIAL APPLICATIONS

ECONOFAB	SPECIFICATIONS (Metric)
For light commercial or larger residential systems.	Gauge: 28 Galvanized (.47 mm)
	Dimensions: 2 3/4" metal - 4" fabric - 2 3/4" metal (70 mm metal - 102 mm fabric - 70 mm metal)
	Fabrics Supplied: Durolon, Excelon, Neoprene, Glasseal, Thermafab
	Seam: Guard Loc
JUNIOR CONNECTOR	SPECIFICATIONS (Metric)
For residential systems.	Gauge: 28 Galvanized (.47 mm)
	Dimensions: 1 3/4" metal - 3" fabric - 1 3/4" metal (44 mm metal - 76 mm fabric - 44 mm metal)
	Fabrics Supplied: Durolon, Excelon, Neoprene, Glasseal, Thermafab, Envirofab, Dynalon
	Seam: Guard Loc

INSULFLEX			
ITEM	DESCRIPTION	SPECIFICATIONS (Metric)	FEATURES
#10173 IDC 343 INSULFLEX	Color: Black Base Fabric: Polyester Coating: Vinyl Insulation: Fiber Glass	<p>Fabric</p> Weight: 9 oz./sq. yd. (305 g/sq. meter) Tensile Strength: 70 lbs. x 70 lbs. (311 N x 311 N) Tear Strength: 8 lbs. x 11 lbs. (36 N x 49 N) Low Temp: -40°F (-40°C) High Temp (Continuous): 180°F (82°C)	<ul style="list-style-type: none"> • 2 layers of fabric insulation • R value of 4.2 • Guard Loc fabric to metal seam • Waterproof • Airtight • Resistant to grease, oil, gasoline and acid
 <p>Pat. No. 4183557</p>	<p>Galvanized Steel</p> Thickness: 28 gauge (.47 mm) Insulation Thickness: 1" (25.4 mm) Density: 1.34 lbs./cu. ft. (28 kg/m³)		
	<p>Composite</p> Materials: 2 Layers of fabric encapsulating insulation Finished Dimensions: 2 3/4" x 4" x 2 3/4" (70 mm x 102 mm x 70 mm)		
	