Flexible Hose, Ducts & Connectors

Made of silicones, neoprenes and other elastomers for the movement of air, liquids or flowable solids. For the industrial, transportation, chemical processing and maintenance needs of industry throughout the world.

Flexfab®

COMMITTED TO EXCELLENCE IN ENGINEERED ELASTOMERIC PRODUCTS SINCE 1961

A MEMBER OF THE FHI FAMILY

FLEXFAB HORIZONS INTERNATIONAL INC.

Since 1961

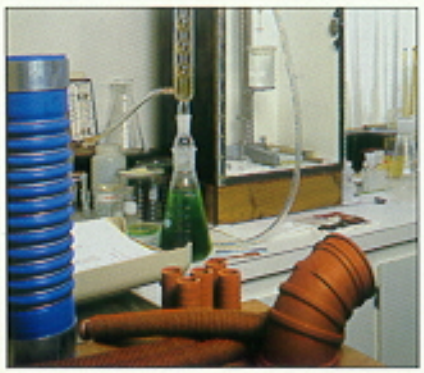
Flexfab has specialized in the design and manufacture of hose, ducts, flexible connectors, boots, bellows and special shapes made from a wide range of materials for high-demand applications.

Many of the advances in the use of silicone elastomers have come from Flexfab research and development. In several instances our customers' design challenges have led us to create entirely new manufacturing techniques and Flexfab chemists and engineers continually research other materials and methods. By doing so, we ensure our readiness to meet the needs of future technologies for products yet to be designed.

The other side of innovation is quality assurance. Because an idea is only as good as its performance, we at Flexfab constantly seek ways to improve our products. We are committed to ISO 9000 and QS-9000 quality standards, employing Statistical Process Control (SPC) in our manufacturing facilities. We use Computer Aided Design (CAD) to develop new designs and tooling rapidly and precisely.

We are just as demanding of our customer service. We have invested in Electronic Data Interchange (EDI) systems for fast and accurate transfer of information between Flexfab and our customers.

At Flexfab, we welcome your challenges. We want you to think of us as a valuable and dependable resource in the development and manufacture of your products.

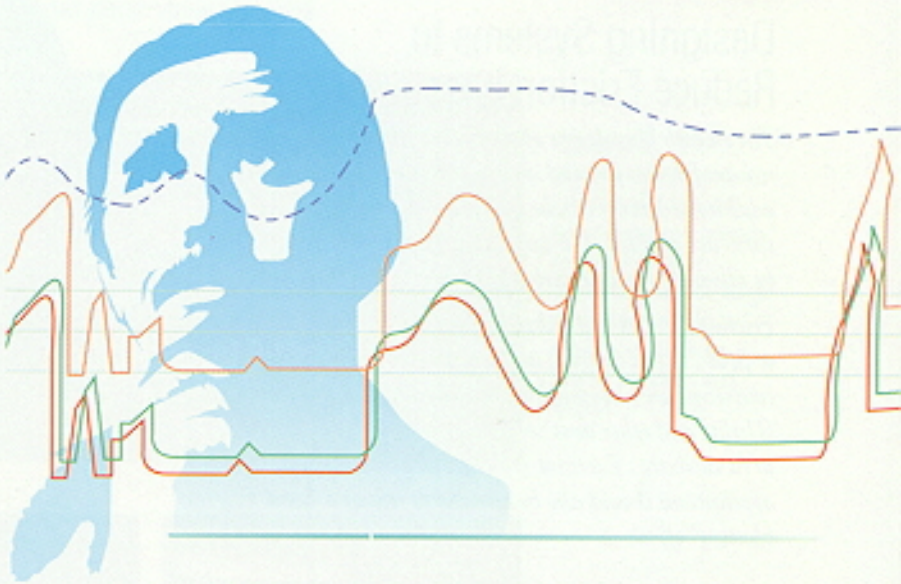


The Future . . .

The future is constantly unfolding. Here, possibilities become reality as products for the year 2000 and beyond are developed and perfected.

We welcome your challenges. Let our innovative, pioneering spirit take your "What if..." and make it your next design triumph.

As you plan for the future, keep Flexfab in mind. We can help you get there.



Engineering Services

At Flexfab, all aspects are considered from design concept to finished product. It's the only way you can be assured that the end product is uniquely suited to your specific application. Not only do our design engineers take into consideration all functions of the product's end use, but raw materials, too, are formulated specifically for those functions.

A wide selection of materials allows us to provide an endless number of combinations to meet your specifications.

Some examples:

Elastomers: •Silicone •Neoprene •Nitriles •Vinyls •Fluorosilicones •Butyl.

Reinforcing fabrics: •Fiberglass •Nylon •Nomex® •Polyester •Cotton.

Additional reinforcements: •Helically coiled wire •Wire rings •Rigid resins – epoxies and polyesters •Nylon rod •Engineered fittings.

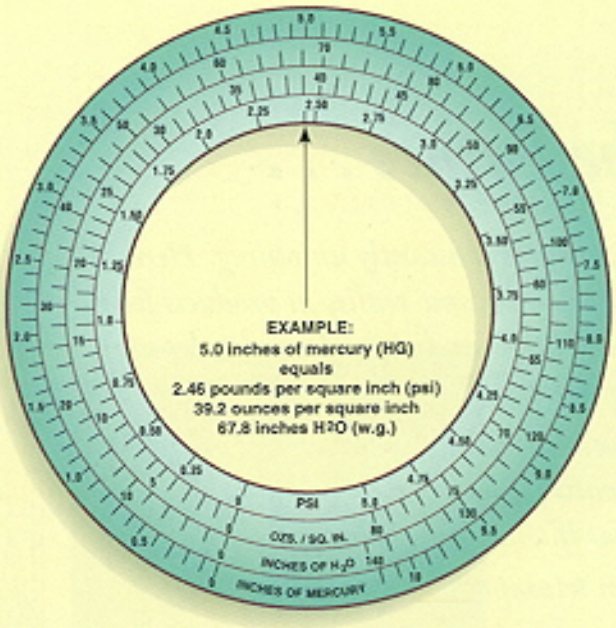
Military Specifications: We manufacture items to many military specifications. Your inquiries are invited.

®Nomex is a trademark of DuPont.

Designing Systems to Reduce Friction Loss

The smooth bore design of Flexfab general purpose hose reduces friction loss and internal abrasive wear, but additional savings can be realized if sharp elbows and turns are avoided. The largest practical radius should be allowed to reduce turbulence.

Friction loss can be further minimized if interior edges of field-cut end-lengths, and lengths with ring couplings, are assembled in the direction of the airflow. (Utility and other duct connecting ends are predesigned to fit correctly.) Excessive velocities in dust collection applications should also be avoided to reduce a "sand blasting" effect.



Pressure Conversion Nomograph

Chemical Resistance

Many chemicals react differently at different temperatures. In our laboratory, various materials are tested for resistance to your specific compound to find the one substance which will assure optimum performance under all reasonable conditions.

Basic characteristics of Flexfab's general-purpose elastomers:

Silicone, VMQ, is generally resistant to oxidizing chemicals, ozone, concentrated hydroxide; but attacked by many solvents and concentrated acids.

Fluorosilicone, FVMQ, is similar to silicone, but also resistant to gasoline, aromatic solvents and chlorinated solvents. It is attacked by ketones and selected chemicals such as hydrazine.

Fluorocarbon, FKM, is resistant to all aliphatic, aromatic, and halogenated hydrocarbons, acids, vegetable and animal oils; but is attacked by ketones, low molecular weight esters and nitro containing compounds.

Neoprene, CR, is generally resistant to mild chemicals and aliphatic hydrocarbons, ozone, selected oils and solvents; but is attacked by strong oxidizing acids, esters, ketones, and chlorinated aromatic hydrocarbons.

Nytrile, NBR, is generally resistant to hydrocarbons, fats, oils, greases, hydraulic fluids, and a variety of other chemicals; but is attacked by ketones, esters, aldehydes, aromatic hydrocarbons and nitrocarbons.

Ethylene Propylene, EPDM, is generally resistant to animal and vegetable oils, strong oxidizing chemicals and ozone; but is attacked by mineral oils, solvents and aromatic hydrocarbons.

Unique Characteristics

Silicone rubber provides its users with mechanical, thermal, electrical and chemical attributes not found in other elastomers. Resistant to hostile environments and damaging elements; strong yet flexible; long service life; the key ingredients in setting silicone rubber products above the rest.

Silicone rubber products and fabricating have proven to provide above average protection from potentially harmful elements.

- Resistant to a wide range of temperature extremes.
- Resistant to hardening, cracking, ozone attack, corona.
- Resistant to moisture, steam, dust, aging, various pressure ranges.
- Resistant to chemicals, solvents, fuels, oils.
- Retains its flexibility.
- Can be easily compounded to a wide range of elongation, durometer, tensile strength, tear strength.
- Good compression set values.
- Excellent electrical insulating properties.
- Longer life than conventional rubber hose.

Silicone Flammability

Silicone elastomers are often used in applications which are exposed to fire hazards. This guide is for your information, not a performance guarantee.

Ignition – inorganic (silica) base retards ignition.

Fire Growth – non-flammable silica forms protective crust when material is exposed to flame.

Flame Spread – protective crust reduces melting and dripping.

Heat Release – lower than with other elastomers.

Smoke – releases only a light, non-toxic silica dust.

Fire Gases – protective crust retains gases.

Oxygen Depletion – low combustion uses little oxygen.

Ease of Extinguishing – Self-extinguishes when flame is removed.

Manufacturing - Raw Materials to Finished Product

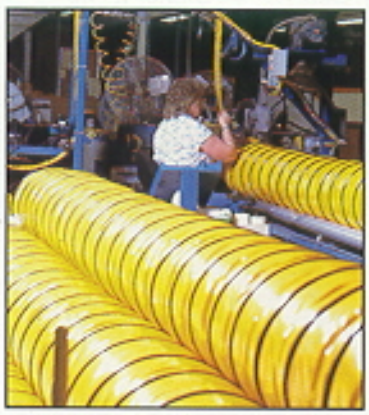
Some of the basic manufacturing processes to serve your varied needs.

Milling of the raw silicone materials and custom colors.

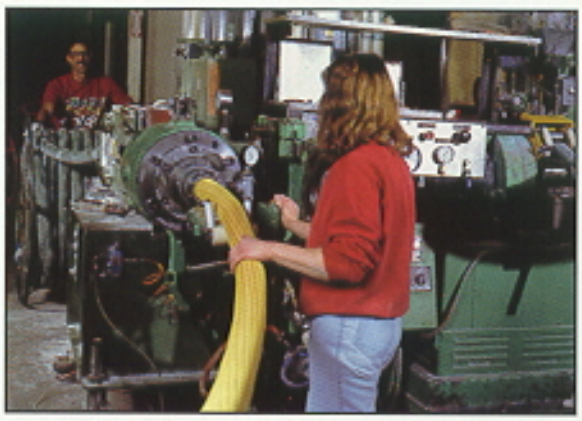
Calendering. We compound, mix and calender silicone and other exotic compounds to a wide array of reinforcing fabrics; single or double coatings, a range of durometers, precise thickness and widths.

Auto clave curing. Heat vulcanizing, post curing and auto claving are some of the processes we employ.

Liquid silicone injection molding. Both high volume and specialty molding to meet your varied requirements.



Sewing for a wide variety of applications.

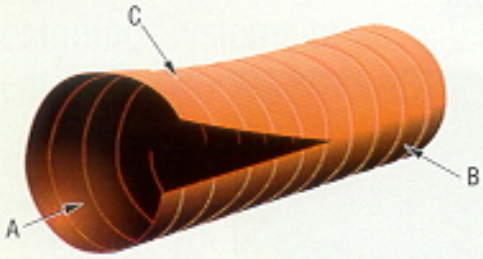


Extruding hose with multiple reinforcements of custom strands or fabrics.

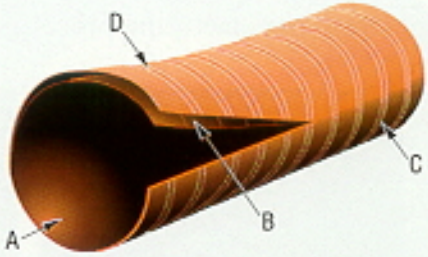
Custom shapes. Applications requiring unusual and complex shaped products to meet low volume demands are a part of our everyday business.

Automatic mandrel made hose with or without wire or nylon rod reinforcements in single or multiple fabric coatings

Industrial Silicone Ducting



A. Bronze Plated Helical Coiled Spring Steel Wire
B. Silicone/Fiberglass Cover Ply
C. Continuous Filament Fiberglass Cord



A. Silicone/Fiberglass Inner Liner Ply
B. Helical Coiled Spring Wire
C. Silicone/Fiberglass Cover Ply
D. Double Fiberglass Cord

Single-Ply, Silicone-Coated Woven Fiberglass Hose

Applications: • Recommended for low pressure handling of higher and lower temperature air, dust or fumes • Ideal for heating applications where minimum weight is required, and where air flow and friction requirements are not severe • Good for heater applications • Not recommended for handling liquids or abrasive materials.

Construction: Flexible. Chemically-treated, helically-wound, bronze plated, spring steel wire reinforcement. Silicone-coated woven fiberglass fabric covering. Continuous filament fiberglass cord between coils. Heat-vulcanized for maximum rubber-to-wire bond. Lightweight, non-kinking, easy installation. Meets commercial low temperature flexibility. Temperature range -65°F to + 450°F (-54°C to +232°C).

Double-Ply, Silicone-Coated Woven Fiberglass Hose

Applications: • Designed for medium pressure handling of air, dust, fumes and light powders • Not recommended for handling liquids or abrasive materials.

Construction: Smooth inner ply and cover ply of silicone-coated, woven fiberglass. Superior air flow and minimum friction loss. Chemically-treated, helically-wound, spring steel wire for flexibility. Double, continuous filament, silicone-coated treated fiberglass cord. Vulcanized for long service life. Lightweight, non-kinking. Temperature range -80°F to +600°F (-62°C to +316°C). Abrasion-resistant cover and liner available.

FLX2004 Series

I.D. INCHES	DASH NO.	P.S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I.	WT. PER FT. IN OZ.	CUFF LENGTH	WALL THICKNESS
1.00	4	20	40	.02	12	1.7	1½	.040
1.25	5	20	40	.02	12	2.1	1½	.040
1.50	6	15	30	.03	10	2.5	1½	.040
1.75	7	15	30	.03	10	3.0	1½	.040
2.00	8	10	20	.04	8	3.4	1½	.045
2.25	9	10	20	.05	8	3.8	1½	.045
2.50	10	10	20	.05	7	4.3	1½	.045
2.75	11	10	20	.06	7	4.7	1½	.045
3.00	12	10	20	.065	6	5.1	1½	.050
3.25	13	9	18	.065	6	5.3	1½	.050
3.50	14	9	18	.07	6	6.0	1½	.050
3.75	15	9	18	.08	5	6.5	1½	.050
4.00	16	8	15	.10	5	7.0	1½	.055
4.50	18	7	14	.10	4	7.7	2	.055
5.00	20	6	10	.125	4	8.7	2	.055
5.50	22	5	10	.13	3	9.3	2	.055
6.00	24	4	10	.15	3	10.6	2	.060

Hose specifications for reference only. Specific test data available on request.

Contact factory for availability of other sizes.

Standard length 12 feet. Lengths over 12 feet available on special order.

Special ends can be provided as required by the installation. Some typical examples: Round to square or rectangular, flanged, die-cut and gasketed ends. Other ends can be designed by our engineering department to fit your requirements.

Contact factory for ducting to meet U.S. Military and commercial specifications for flame requirements. Cloth meets MIL-Y-1140, 7628. Wire meets ASTM A 227 and copper plated per ASTM A 818.

For Military Specifications: NAS 1370-1379, MIL-H-8796, MIL-H-62028 contact factory.

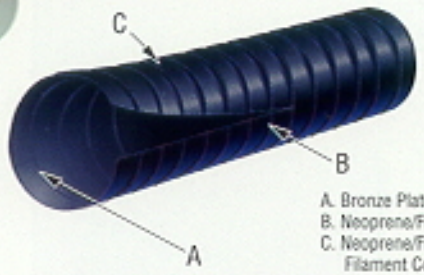
FLX2005 Series

I.D. INCHES	DASH NO.	P.S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I.	WT. PER FT. IN OZ.	CUFF LENGTH	WALL THICKNESS
1.00	4	60	180	.015	15	2.0	1½	.070
1.25	5	60	180	.015	15	2.5	1½	.070
1.50	6	55	165	.015	13	3.0	1½	.070
1.75	7	55	165	.02	13	3.5	1½	.070
2.00	8	50	150	.02	10	4.0	1½	.070
2.25	9	50	150	.02	10	4.5	1½	.070
2.50	10	45	135	.025	8	5.0	1½	.070
2.75	11	45	135	.025	8	6.0	1½	.070
3.00	12	45	135	.03	7	6.2	1½	.070
3.25	13	45	135	.03	6	6.7	1½	.070
3.50	14	40	120	.035	6	7.2	1½	.070
3.75	15	40	120	.035	5	7.8	1½	.070
4.00	16	40	120	.04	5	8.4	1½	.080
4.50	18	35	105	.05	4	9.6	2	.080
5.00	20	35	105	.06	4	10.7	2	.080
5.50	22	30	90	.08	3	11.8	2	.080
6.00	24	30	90	.10	3	13.0	2	.090
8.00	32	15	45	.15	3	17.8	2	.110
10.00	40	8	24	.20	2	22.6	2½	.120
12.00	48	4	12	.30	2	27.1	2½	.120

Compresses to ½ of extended length. Bend radius is one times diameter of hose.

Products to SCEET and SCAT construction are available on request.

Industrial Neoprene Ducting

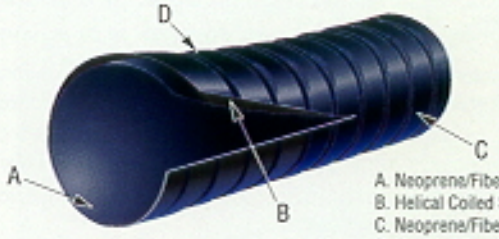


A. Bronze Plated Helical Coiled Spring
B. Neoprene/Fiberglass Cover Ply
C. Neoprene/Fiberglass Continuous Filament Cord

Single-Ply Neoprene Fiberglass Hose

Applications: • Ideal for low pressure handling of hot or cold air, dust and fumes in systems requiring minimum weight, and where air flow and friction requirements are not severe • Good for use at moderately high temperatures • Not recommended for handling liquids or abrasive materials.

Construction: Chemically-treated, helically-wound, bronze plated steel wire reinforcement is covered with a single ply of neoprene-coated woven fiberglass fabric. Then continuous filament fiberglass cord reinforcement is applied to outside. Heat-vulcanized for maximum bond and strength. Non-kinking, easy installation. Meets commercial low temperature flexibility . Temperature range –65°F to +300°F (–54°C to +149°C). Abrasion-resistant cover and liner available.



A. Neoprene/Fiberglass Inner Liner Ply
B. Helical Coiled Spring Wire
C. Neoprene/Fiberglass Cover Ply
D. Double Fiberglass Cord

Double-Ply Neoprene Fiberglass Hose

Applications: • Maximum strength for handling hot or cold air, dust, fumes and light powders • Good for use at moderately high temperatures • Not recommended for handling liquids or abrasive materials.

Construction: Smooth inner ply and cover ply of neoprene coated, woven fiberglass. Superior air flow and minimum friction loss. Chemically-treated helically-wound, spring steel wire for flexibility. Double, continuous filament, neoprene-coated fiberglass cord. Vulcanized for long service life. Lightweight, non-kinking. Meets commercial low temperature flexibility. Temperature range –65°F to +300°F (–54°C to +149°C). Abrasion-resistant cover and liner available.

FLX3004 Series

I.D. INCHES	DASH NO.	P.S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I.	WT. PER FT. IN OZ.	CUFF LENGTH	WALL THICKNESS
1.00	4	35	70	.02	15	1.7	1½	.040
1.25	5	35	70	.02	15	2.1	1½	.040
1.50	6	25	30	.03	13	2.5	1½	.040
1.75	7	20	50	.03	13	3.0	1½	.040
2.00	8	15	40	.04	10	3.4	1½	.045
2.25	9	15	40	.05	10	3.8	1½	.045
2.50	10	10	35	.05	8	4.3	1½	.045
2.75	11	10	30	.06	8	4.7	1½	.045
3.00	12	10	30	.065	7	5.1	1½	.050
3.25	13	10	30	.065	6	5.3	1½	.050
3.50	14	10	25	.07	6	6.0	1½	.050
3.75	15	9	25	.08	5	6.5	1½	.050
4.00	16	9	25	.09	5	7.0	1½	.055
4.50	18	8	20	.10	4	7.7	2	.055
5.00	20	7	20	.125	4	8.7	2	.055
5.50	22	6	15	.13	4	9.3	2	.055
6.00	24	5	15	.14	3	10.6	2	.060

For Military Specifications: NAS 1370-1379, MIL-H-8796, MIL-H-62028, MIL-H-52079 contact factory.

FLX3005 Series

I.D. INCHES	DASH NO.	P.S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I.	WT. PER FT. IN OZ.	CUFF LENGTH	WALL THICKNESS
1.00	4	60	180	.02	15	2.0	1½	.060
1.25	5	60	180	.02	15	2.5	1½	.060
1.50	6	55	165	.02	13	3.0	1½	.060
1.75	7	55	165	.025	13	3.5	1½	.060
2.00	8	50	150	.025	10	4.0	1½	.060
2.25	9	50	150	.025	10	4.5	1½	.060
2.50	10	50	150	.030	8	5.0	1½	.060
2.75	11	45	135	.025	8	6.0	1½	.070
3.00	12	45	135	.05	7	6.2	1½	.070
3.25	13	45	135	.05	6	6.7	1½	.070
3.50	14	40	120	.06	6	7.2	1½	.070
3.75	15	40	120	.07	5	7.8	1½	.070
4.00	16	40	120	.075	5	8.4	1½	.070
4.50	18	35	105	.09	4	9.6	1½	.070
5.00	20	35	105	.10	4	10.7	2	.080
5.50	22	30	90	.12	4	11.8	2	.080
6.00	24	30	90	.15	3	13.0	2	.080
8.00	32	15	45	.175	3	17.8	2	.090
10.00	40	8	24	.2	2	22.6	2½	.100
12.00	48	4	18	.3	2	27.1	2½	.100

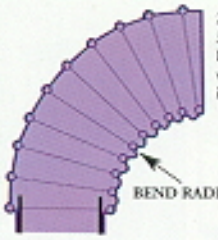
Compresses to ⅓ of extended length. Bend radius is one times diameter of hose.

Products to CEET and CAT construction are available on request.

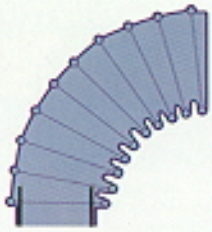
Unrestricted inside diameter in bends or axial compression is available by using double ply hose. Other flexible hoses create restricted inside diameter in bends or axial compression.

2005 and 3005 has FULL ID when hose is axially compressed

Other single ply hoses have RESTRICTED ID when axially compressed



2005 and 3005 has FULL ID when hose is bent



Most other lightweight, flexible single ply hose have RESTRICTED ID when hose is bent

Ventilation Ducting

A full line of standard and custom ventilation ducting is available for a variety of applications where foul or fresh, heated or cooled air needs to be exhausted or introduced.

A rugged, one-ply coated fabric air duct designed for maximum air handling capabilities and minimum weight. The duct is reinforced with a galvanized spring steel, helically coiled wire. Abrasion resistance is assured by the use of an extruded "Vin-O-Fab" cover over the wire. A soft cuff to facilitate installation is an integral part of the assembly. Ventfab can be designed for your special fume control system.

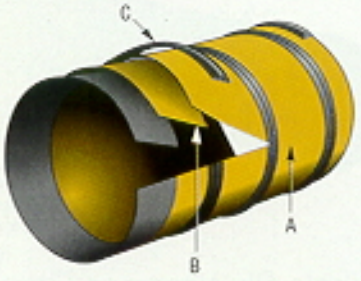
Characteristics: •Easily retracted •Lightweight, easily stored and transported •Designed for use in handling large volumes of air at relatively low pressure.

Additional materials are available: Teflon® coated fiberglass, vinyl coated nylon, vinyl coated fiberglass, neoprene coated fiberglass, neoprene coated cotton, neoprene coated nylon, silicone coated fiberglass. Consult factory for additional specifications, materials, sizes and colors.

FLX1102 is our only approved ventilation tubing that meets U.S. Bureau of Mines Flame Spread Index of LESS than 25 by A.S.T.M. Methods of Test E-84 and E-162.

Built-in coupling bands are available to allow separate sections to be linked or detached in seconds without using tools.

VENTFAB™
(Non-Insulated)



A. Single Ply Coated Fabric
B. Galvanized Helically Coiled Spring Steel
C. Extruded "Vin-O-Fab" Cover

FLX1100 - Heavy Duty, Black, Neoprene Coated Woven Nylon
Temperature Range: -40°F to +275°F (-40°C to +135°C)

Inside Diameter	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
Compressed Length	20%	15%	15%	15%	15%	15%	10%	10%	10%	10%
Weight (lbs. per ft.)	.50	.60	.80	.96	1.12	1.28	1.44	1.60	2.00	2.50
Wire Spacing	4"	7"	7"	7"	7"	7"	7"	7"	7"	7"

FLX1126 - Light Duty, Safety Yellow, Vinyl Coated Woven Polyester
Temperature Range: -40°F to +250°F (-40°C to +121°C)

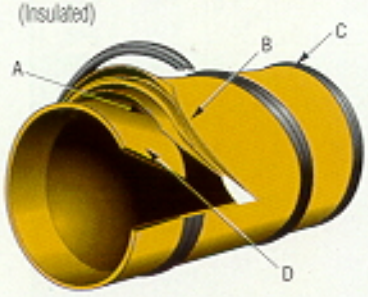
Inside Diameter	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
Compressed Length	20%	15%	15%	15%	15%	15%	10%	10%	10%	10%
Weight (lbs. per ft.)	.70	.80	1.00	1.20	1.35	1.50	1.65	1.85	2.25	2.75
Wire Spacing	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"

FLX1127 - Light Duty, Safety Yellow, Vinyl/Polyester
Temperature Range: -40°F to +250°F (-40°C to +121°C)

Inside Diameter	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
Compressed Length	20%	15%	15%	15%	15%	15%	10%	10%	10%	10%
Weight (lbs. per ft.)	.50	.60	.80	.96	1.12	1.28	1.44	1.60	2.00	2.50
Wire Spacing	4"	7"	7"	7"	7"	7"	7"	7"	7"	7"

Inside bend radius is the same as the I.D.
Standard lengths are 10, 15, 20, 25 and 30 feet.

INSULFAB™
(Insulated)



A. Insulation
B. Wire
C. Scuff Strip
D. Liner and Cover

An insulated air duct recommended for application requiring low heat loss factors. This duct is useful where flexibility and low weight is a design requirement. Abrasion resistance is assured by the use of a "Vin-O-Fab" cover over the reinforcing wire. A soft cuff is provided for ease of installation.

Characteristics: • Safety yellow is standard • Fiberglass insulation • Lightweight, easily stored and transported • Will handle large volumes of low pressure air.

Additional materials are available: Teflon® coated fiberglass, vinyl coated nylon, vinyl coated fiberglass, neoprene coated fiberglass, neoprene coated cotton, neoprene coated nylon, silicone coated fiberglass. Consult factory for additional specifications, materials, sizes and colors.

Temperature Range: -40°F to +250°F (-40°C to +121°C)

Hose specifications are for reference only. Specific test data available on request.
Insulation is fiberglass. Polyurethane foam insulation is available on special order.

® Teflon is a Trademark of DuPont

FLX1202

Inside Diameter	8"	10"	12"	14"	16"	18"	20"	24"	30"
Compressed Length	20%	20%	15%	15%	15%	15%	10%	10%	10%
Weight (lbs. per ft.)	1.33	1.67	2.0	2.3	2.7	3.0	3.4	4.0	2.00
Wire Spacing	7"	7"	7"	7"	7"	7"	7"	7"	7"

Standard lengths are 10, 15, 20, 25 and 30 feet, other lengths are available on special order.
INSULFAB OPTION: A flexible sealant can be factory applied at seam overlap to reduce air leakage, to meet certain government leakage specifications.

Special Ends, Cuffs, and Accessories

Nylon Rod Coupling | Belt Loop | Suspension Hook / Grommet | Steel Band Coupling | Quick Release Coupling | Zipper Cuff

Special Ventilation Ducting

Military Ventfab™ Non-Insulated

Flexfab manufactures our Ventfab design to the following military specifications:

1. MIL-H-7365 Air duct hose assemblies for ground heaters.
2. MIL-H-18158 Portable ventilation hose used aboard navy ships.
3. SEED P.D. 215 Conductive hose for venting aircraft fuel fumes.

Military Insulfab™ Insulated

Flexfab manufactures our Insulfab design to the following military specification:

1. MIL-D-38386 Insulated, flexible air duct assemblies for portable ground support air conditioners and heaters.

   We supply fittings and storage racks as called out in the above specifications.

Flexfab manufactures ducting for use in nuclear, biological and chemical warfare applications using material to MIL-C-12189.

Ground Support Ventilation Ducting (Insulated)

Construction: Polyurethane foam insulation between two plies of heavy duty urethane coated nylon fabric with a sewn on abrasion resistant scuff strip. Zippered cuff at each end with velcro flap for minimum air leakage.

Characteristics: Heavy duty, polyurethane foam insulated ducting with a sewn on "Vin-O-Fab" scuff strip. Scuff strip reduces wear caused by dragging duct across rough surfaces. Zippered cuffs available to permit attachments of additional sections to form long duct assemblies. Flexfab ground support ducting is resistant to breakdown and powdering of insulation. Lightweight for ease of handling.

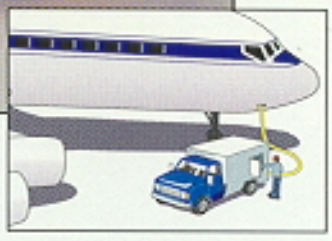
Outside Diameter: (When Rolled) 16"

Width: 20" (for 12" duct); 27" (for 14" duct)

BTUH/Hr./Ft. Length/F: 1.09 (for 12" duct); 1.28 (for 14" duct)

Temperature Range: -40°F to +250°F (-40°C to +121°C)

Meets FAR 25.853 B2 horizontal test.



FLAT DUCT VENTILATION HOSE

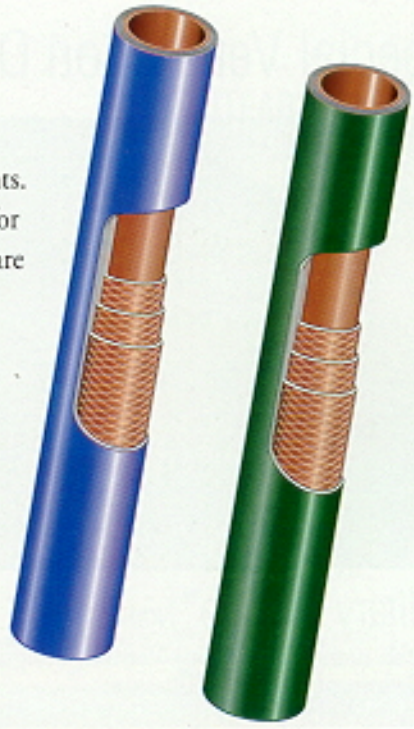
SIZE I.D.		LENGTH	PART NUMBER
12"	x	96"	1210-0019
12"	x	120"	1210-0020
12"	x	240"	1210-0021
12"	x	300"	1210-0014
14"	x	96"	1210-0017
14"	x	120"	1210-0006
14"	x	240"	1210-0007
14"	x	300"	1210-0008

TAPERED ADAPTER DUCT

SIZE I.D.		LENGTH			PART NUMBER
12"	x	8"	x	24"	1214-0004
14"	x	8"	x	26"	1214-0002

**Available with nylon rod reinforcement.*
NOTE: Other sizes and lengths available upon request.
Non-insulated flat duct available upon request.

Flexfab Silicone Coolant Hose



Applications: For heavy duty pressure connections in hostile engine environments. Resists hardening, cracking, cold leaks, aging, steam and many chemicals. Ideal for extreme temperature and various pressure ranges where high performance levels are required.

3 ply silicone coolant hose reinforced with polyester fabric and coated with specially compounded silicone elastomer.

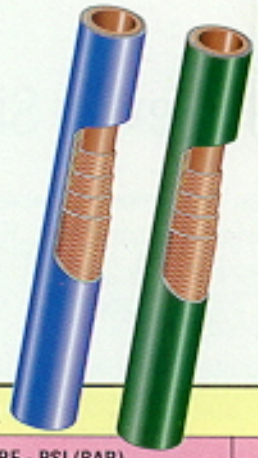
CHARACTERISTICS: Temperature range -65°F (-54°C) to + 350°F (+177°C). Meets or exceeds operating requirements of SAE J20 R1 Class A custom wall, TMC RP303B Class I Grade II and most OEM truck manufacturers specifications.

FLX5515 Coolant Hose - 3 Ply FLX5500

INSIDE DIA		OUTSIDE DIA.		PART NUMBER		BURST PRESSURE - PSI (BAR)				WEIGHT	
INCH	mm	INCH	mm	BLUE	GREEN	ACTUAL	SAE J20 R 1*	TMC		LB / ft	Kg / m
0.50	13	0.82	23	5515-050	5500-050	500 (34.5)	425 (29.3)	125	(8.6)	0.16	0.24
0.63	16	0.95	26	5515-062	5500-062	485 (33.4)	425 (29.3)	125	(8.6)	0.20	0.30
0.75	19	1.07	29	5515-075	5500-075	475 (32.7)	325 (22.4)	125	(8.6)	0.24	0.36
0.88	22	1.20	32	5515-087	5500-087	465 (32.0)		125	(8.6)	0.28	0.42
1.00	25	1.32	35	5515-100	5500-100	450 (31.0)	300 (20.7)	125	(8.6)	0.32	0.48
1.13	29	1.45	39	5515-112	5500-112	435 (30.0)	300 (20.7)	125	(8.6)	0.36	0.54
1.25	32	1.57	42	5515-125	5500-125	425 (29.3)	275 (18.9)	125	(8.6)	0.40	0.60
1.38	35	1.70	45	5515-138	5500-138	400 (27.6)		125	(8.6)	0.44	0.65
1.50	38	1.82	48	5515-150	5500-150	375 (25.8)	250 (17.2)	125	(8.6)	0.48	0.71
1.63	41	1.95	51	5515-162	5500-162	350 (24.1)		125	(8.6)	0.52	0.77
1.75	45	2.07	54	5515-175	5500-175	300 (20.7)	225 (15.5)	125	(8.6)	0.56	0.83
2.00	51	2.32	61	5515-200	5500-200	250 (17.2)	200 (13.8)	100	(6.9)	0.64	0.95
2.13	54	2.45	64	5515-212	5500-212	235 (16.2)		100	(6.9)	0.68	1.01
2.25	57	2.57	67	5515-225	5500-225	225 (15.5)	175 (12.1)	100	(6.9)	0.72	1.07
2.38	60	2.70	70	5515-238	5500-238	210 (14.5)		100	(6.9)	0.76	1.13
2.50	64	2.82	73	5515-250	5500-250	200 (13.8)	150 (10.3)	100	(6.9)	0.80	1.19
2.63	67	2.95	77	5515-262	5500-262	200 (13.8)		100	(6.9)	0.84	1.25
2.75	70	3.07	80	5515-275	5500-275	200 (13.8)	125 (8.6)	100	(6.9)	0.88	1.31
3.00	76	3.32	86	5515-300	5500-300	200 (13.8)	100 (6.9)	100	(6.9)	0.96	1.43
3.25	82	3.57	92	5515-325	5500-325	175 (12.1)		100	(6.9)	1.04	1.55
3.50	89	3.82	99	5515-350	5500-350	150 (10.3)	75 (5.2)	100	(6.9)	1.12	1.67
3.75	95	4.07	105	5515-375	5500-375	135 (9.3)		100	(6.9)	1.20	1.79
4.00	102	4.32	112	5515-400	5500-400	125 (8.6)	50 (3.4)	100	(6.9)	1.28	1.90
4.50	115	4.82	124	5515-450	5500-450	100 (6.9)				1.44	2.14
5.00	127	5.32	137	5515-500	5500-500	90 (6.2)				1.60	2.38
6.00	152	6.32	162	5515-600	5500-600	75 (5.2)				1.92	2.85

Flexfab custom wall thickness is .140/.190. TMC RP303B Class I Grade II wall thickness is .137/.177.

*Class A Standard Wall.



4 ply silicone coolant hose reinforced with polyester fabric and coated with specially compounded silicone elastomer.

CHARACTERISTICS: Continuous operating temperature is -65°F (-54°C) to +350°F (+177°C). Meets or exceeds the requirements of SAE J20 R1 Class A, TMC RP303B Class I Grade I and most OEM truck manufacturers specifications.

FLX5581 Coolant Hose - 4 Ply FLX5501

INSIDE DIA.		OUTSIDE DIA.		PART NUMBER		BURST PRESSURE - PSI (BAR)				WEIGHT	
INCH	mm	INCH	mm	BLUE	GREEN	ACTUAL	SAE J20R 1*	TMC		LB / ft	Kg / m
0.50	13	0.89	23	5581-050	5501-050	600 (41.3)		125	(8.6)	0.20	0.29
0.63	16	1.02	26	5581-062	5501-062	585 (40.3)		125	(8.6)	0.24	0.36
0.75	19	1.14	29	5581-075	5501-075	575 (39.6)		125	(8.6)	0.29	0.44
0.88	22	1.27	32	5581-087	5501-087	560 (38.6)		125	(8.6)	0.34	0.51
1.00	25	1.39	35	5581-100	5501-100	550 (37.9)		125	(8.6)	0.39	0.58
1.13	29	1.52	39	5581-112	5501-112	525 (36.2)		125	(8.6)	0.44	0.65
1.25	32	1.64	42	5581-125	5501-125	500 (34.5)	500 (34.5)	125	(8.6)	0.49	0.73
1.38	35	1.77	45	5581-138	5501-138	475 (32.7)		125	(8.6)	0.54	0.80
1.50	38	1.89	48	5581-150	5501-150	450 (31.0)	450 (31.0)	125	(8.6)	0.59	0.87
1.63	41	2.02	51	5581-162	5501-162	425 (29.3)		125	(8.6)	0.63	0.94
1.75	45	2.14	54	5581-175	5501-175	400 (27.6)	400 (27.6)	125	(8.6)	0.68	1.02
2.00	51	2.39	61	5581-200	5501-200	400 (27.6)	350 (24.1)	100	(6.9)	0.78	1.16
2.13	54	2.52	64	5581-212	5501-212	375 (25.8)		100	(6.9)	0.83	1.23
2.25	57	2.64	67	5581-225	5501-225	350 (24.1)	350 (24.1)	100	(6.9)	0.88	1.31
2.38	60	2.77	70	5581-238	5501-238	325 (22.4)		100	(6.9)	0.93	1.38
2.50	64	2.89	73	5581-250	5501-250	300 (20.7)	300 (20.7)	100	(6.9)	0.98	1.45
2.63	67	3.02	77	5581-262	5501-262	285 (19.6)		100	(6.9)	1.02	1.52
2.75	70	3.14	80	5581-275	5501-275	275 (18.9)	250 (17.2)	100	(6.9)	1.07	1.60
3.00	76	3.39	86	5581-300	5501-300	250 (17.2)	250 (17.2)	100	(6.9)	1.17	1.74
3.25	82	3.64	92	5581-325	5501-325	225 (15.5)		100	(6.9)	1.27	1.89
3.50	89	3.89	99	5581-350	5501-350	200 (13.8)	200 (13.8)	100	(6.9)	1.37	2.03
3.75	95	4.14	105	5581-375	5501-375	175 (12.1)		100	(6.9)	1.46	2.18
4.00	102	4.39	112	5581-400	5501-400	150 (10.3)	150 (10.3)	100	(6.9)	1.56	2.32
4.50	115	4.89	124	5581-450	5501-450	150 (10.3)				1.76	2.61
5.00	127	5.39	137	5581-500	5501-500	125 (8.6)				1.95	2.90
6.00	152	6.39	162	5581-600	5501-600	100 (6.9)				2.34	3.48

For vacuum applications Flexfab produces a helically-wound wire 2-ply hose. (Part No. 5508) Meets SAE J20 R2 Class A. Part No. 5501 and 5508 meets MIL-H-62217AT and A-A-52426. Nomex® reinforcement is available for high flex and high temperature applications. For bend radius tighter than SAE J20 specifications contact Flexfab. Standard lengths are three feet or one meter. Special lengths and colors are available.

*Class A Heavy Wall.

Sleeves and Connectors Specially-compounded silicone elastomer inner liner, nominal thickness .010", reinforced with woven fiberglass fabric applied on a 45° bias layup and coated with silicone rubber. Color is red.
Applications: Connection between the turbocharger and the engine. Resists chemicals, steam, ozone, coolants and aging conditions normally found in the engine environment. Special lengths available on request.

FLX7701 - 3 Ply Construction

INSIDE DIAMETER	1"	1-1/4"	1-1/2"	2"	2-1/4"	2-1/2"	2-3/4"	3"	3-1/4"	3-1/2"	3-3/4"	4"	6"
OPERATING PRES. P.S.I.G.	45	40	40	35	30	30	25	25	20	20	15	15	10
BURST P.S.I.G.	135	125	120	105	95	90	80	75	65	60	50	45	25
WEIGHT (LBS. PER FT.)	.50	.55	.60	.70	.75	.80	.85	.90	.95	1.00	1.05	1.10	1.30

FLX7702 - Heavy Duty 4 Ply Construction

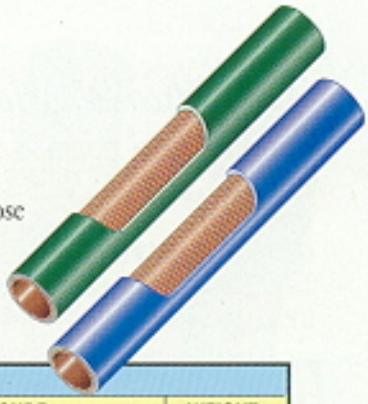
INSIDE DIAMETER	1"	1-1/4"	1-1/2"	2"	2-1/4"	2-1/2"	2-3/4"	3"	3-1/4"	3-1/2"	3-3/4"	4"	6"
OPERATING PRES. P.S.I.G.	60	57	53	45	42	38	34	30	27	25	22	20	12
BURST P.S.I.G.	180	170	160	135	125	115	100	90	80	75	65	60	35
WEIGHT (LBS. PER FT.)	.65	.70	.75	.85	.90	.95	1.00	1.05	1.10	1.15	1.20	1.25	1.45

FLX7703 - Extra Heavy Duty 6 Ply Construction

INSIDE DIAMETER	1"	1-1/4"	1-1/2"	2"	2-1/4"	2-1/2"	2-3/4"	3"	3-1/4"	3-1/2"	3-3/4"	4"	6"
OPERATING PRES. P.S.I.G.	90	85	80	70	65	60	55	50	45	40	35	30	20
BURST P.S.I.G.	270	255	240	210	195	180	165	150	135	120	105	90	60
WEIGHT (LBS. PER FT.)	1.00	1.10	1.20	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.60

Continuous operating temperature -65° F +500° F. Intermittent operating temperature -65° F +550° F. Standard length is 12 feet. For additional specifications contact factory.

Flexfab Silicone Heater Hose



Characteristics: Continuous operating temperature - 65° F (- 54° C) to +350° F (+177° C). Nylon fiber reinforced. Resistant to coolant additives. Flexfab silicone heater hose is shipped on wooden reels (pictured below) or handy dispenser cartons containing 25' or 50' of hose. For high temperature applications, Nomex® reinforcement is available.

FLX5526 Series - Blue Hose / Red Core

	INSIDE DIAMETER				OUTSIDE DIAMETER				BURST PRESSURE						WEIGHT	
									5526		SAE J20 R3		TMC			
	INCH	mm	MAX.	MIN.	INCH	mm	MAX.	WALL THICKNESS	PSI	BARS	PSI	BARS	PSI	BARS	LB/ft	Kg/m
5526-025	1/4	6	.270	.230	.580	15	.690	.140/.170	250	17.2	250	17.2	125	8.6	.111	.165
5526-038	3/8	10	.400	.360	.705	18	.720	.140/.170	250	17.2	250	17.2	125	8.6	.145	.217
5526-050	1/2	13	.520	.480	.830	25	.840	.140/.170	250	17.2	250	17.2	125	8.6	.181	.269
5526-062	5/8	16	.645	.605	.955	26	.970	.140/.170	250	17.2	250	17.2	125	8.6	.216	.341
5526-075	3/4	19	.770	.730	1.080	27	1.090	.140/.170	200	13.8	200	13.8	125	8.6	.250	.372
5526-100	1	25	1.020	.970	1.330	35	1.400	.140/.170	175	12.1	175	12.1	125	8.6	.145	.217
5526-125	1-1/4	32	1.270	1.220	1.580	40	1.650	.140/.170	175	12.1	175	12.1	125	8.6	.385	.572

Meets TMC-RP303B Class I Grade 2 Specification

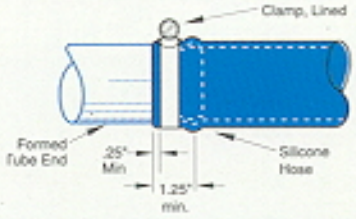
FLX5521 Series - Green Hose / Green Core

	INSIDE DIAMETER				OUTSIDE DIAMETER				BURST PRESSURE						WEIGHT	
									5521		SAE J20 R1		TMC			
	INCH	mm	MAX.	MIN.	INCH	mm	MAX.	WALL THICKNESS	PSI	BARS	PSI	BARS	PSI	BARS	LB/ft	Kg/m
5521-025	1/4	6	.270	.230	.640	15	.710	.170/.220	475	32.8	475	32.8	125	8.6	.121	.180
5521-038	3/8	10	.395	.355	.765	19	.835	.170/.220	475	32.8	475	32.8	125	8.6	.181	.269
5521-050	1/2	13	.520	.480	.890	23	.960	.170/.220	425	29.3	425	29.3	125	8.6	.226	.336
5521-062	5/8	16	.645	.605	1.015	26	1.085	.170/.220	375	25.9	375	25.9	125	8.6	.258	.384
5521-075	3/4	19	.770	.730	1.140	29	1.210	.170/.220	325	22.4	325	22.4	125	8.6	.301	.448
5521-100	1	25	1.020	.970	1.390	35	1.460	.170/.220	300	20.7	300	20.7	125	8.6	.391	.58
5521-125	1-1/4	32	1.270	1.220	1.640	42	1.710	.170/.220	275	13.8	275	19.0	125	8.6	.491	.731

Meets SAE 20R3 Class A Specification. Meets TMC-RP303B Class I Grade 1 Specification.
FLX5596 Series reinforced extruded hose is available with Kevlar® aramid.

Low Pressure Extruded Silicone Tubing

For vacuum advance, windshield washer, transmission modulator, emission control and other applications.

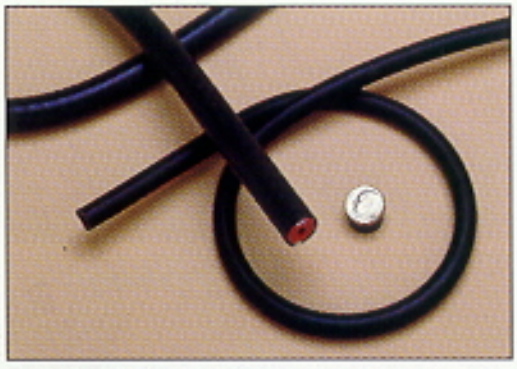


COOLANT HOSE CLAMPING INSTRUCTIONS

Worm gear or constant torque type stainless steel clamps with inner liner are recommended for silicone heater and coolant hose. Initial clamp torque should be 40 inch-lbs. If retorquing is required, it should be limited to 20 inch-lbs. Do not use serrated, slotted or wire type clamps.

Recommended bead specifications MS-33660 or SAE J1231

Available in bulk or handy dispenser cartons.



Exhaust Gas Recirculation (EGR)

A special pressure sensor hose, used to sense pressure differential between the exhaust manifold and the EGR tube. Connector temperatures to 450° F, with no flow.

Silicone Charge Air Cooler Hose (CAC)

Application: For superior connection between engine mounted charge air system components. Ideal for handling slight misalignments and isolating vibration between hose ends.

Flexfab can custom design your charge air hose to fit your needs.

CONVOLUTED CHARGE AIR HOSE - 4 PLY NOMEX® - IRON OXIDE RED
HOT SIDE [500°F (260°C)MAX OPERATING TEMP]

INSIDE DIA.		OUTSIDE DIA.		LENGTH		PART NUMBER	STAINLESS STEEL RINGS	MAX OPERATING PRESSURE	
INCH	mm	INCH	mm	INCH	mm			PSIG	BAR
3.00	76	3.23	82	6.00	152	7731	NO	30	2.1
3.00	76	3.28	82	6.00	152	7731-0001	YES	60	4.1
3.50	89	3.73	95	6.00	152	7732	NO	27	1.9
3.50	89	3.73	95	6.00	152	7732-0001	YES	55	3.8
4.00	102	4.23	107	6.00	152	7715-0001	NO	25	1.7
4.00	102	4.23	107	6.00	152	7715-0002	YES	50	3.4
4.00	102	4.23	107	8.00	203	7727	NO	25	1.7
4.00	102	4.23	107	8.00	203	7727-0001	YES	50	3.4
4.50	115	4.73	120	6.00	152	7742	NO	22	1.5
4.50	115	4.73	120	6.00	152	7742-0001	YES	45	3.1

CONVOLUTED CHARGE AIR HOSE - 3 PLY POLYESTER - BLUE
COLD SIDE [300°F (149°C) MAX OPERATING TEMP]

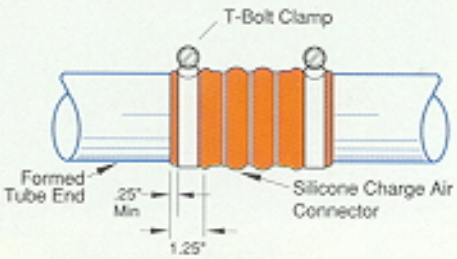
INSIDE DIA.		OUTSIDE DIA.		LENGTH		PART NUMBER	STAINLESS STEEL RINGS	MAX OPERATING PRESSURE	
INCH	mm	INCH	mm	INCH	mm			PSIG	BAR
3.00	76	3.23	82	6.00	152	7758	NO	30	2.9
3.00	76	3.23	82	6.00	152	7758-0001	YES	60	5.8
3.50	89	3.73	95	6.00	152	7753	NO	27	2.6
3.50	89	3.73	95	6.00	152	7753-0001	YES	55	5.3
4.00	102	4.23	107	6.00	152	7755	NO	25	2.4
4.00	102	4.23	107	6.00	152	7755-0002	YES	50	4.8
4.50	115	4.73	120	6.00	152	7759	NO	22	2.1
4.50	115	4.73	120	6.00	152	7759-0001	YES	45	4.3

®Kevlar and Nomex are trademarks of DuPont.

Curved Coolant Hose

Flexfab specializes in custom design and manufacture of curved silicone coolant hose using Kevlar® and Nomex® reinforcements.

Contact the sales department for further information.



CHARGE AIR CONNECTOR CLAMPING INSTRUCTIONS

Use only T-bolt style clamps. Constant torque T-bolt style clamps may help to retain clamp load. Torque to 70-75 in - lbs.

Recommended bead specifications MS - 33660 or SAE J1231.

All specifications are subject to change without notice.

Ultra Lightweight Air Ducting

Flexfab's lightweight flexible ducting is ideal for aircraft Environmental Control Systems (ECS), and other applications where weight is an important consideration. Flexfab lightweight ducting typically saves up to 33 percent of weight compared to conventional ducting, and allows easier and faster installation. Stock and custom designs are offered in a choice of silicone and urethane materials. Silicone elastomers are highly resistant to hardening, cracking, stress, aging and temperature extremes. They feature smooth bore, are available with flexible tapers, and meet FAR 25.853 flammability standards.

†FLX4004 Ultra Lightweight Urethane

Hydrolysis resistant polyurethane coated on woven nylon body. Cuff is elastomer coated fabric.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff	SAE Compliance
0.50 to 1.25	–0.5 to +1 PSIG	0.75 x ID	0.0312	0.016	AS1591
1.50 to 2.00	–0.5 to +1 PSIG	0.75 x ID	0.0360	0.011	AS1591
2.25 to 6.00	–0 to +1 PSIG	0.75 x ID	0.0420	0.010	AS1591

†Vacuum capability up to 2" dia. on FLX4004. Temperature Range –65°F to +176°F (–54°C to +80°C)

FLX4004

FLX4005

†FLX4005 Ultra Lightweight Silicone

Coated on light weight woven fiberglass body. Cuff is Silicone rubber coated on woven fiberglass.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff	SAE Compliance
0.50 to 1.25	–0.5 to +1 PSIG	0.75 x ID	0.0312	0.016	AS4546
1.50 to 2.25	–0.5 to +1 PSIG	0.75 x ID	0.0360	0.011	AS4546
2.50 to 3.75	–0.5 to +1 PSIG	0.75 x ID	0.0420	0.010	AS4546
4.00 to 6.00	–0.5 to +1 PSIG	0.75 x ID	0.0504	0.010	AS4546
6.25 to 8.00	–0.5 to +1 PSIG	0.75 x ID	0.1200	0.014	AS4546
8.25 to 10.00	–0.5 to +1 PSIG	0.75 x ID	0.1500	0.015	AS4546
10.25 to 12.00	–0.5 to +1 PSIG	0.75 x ID	0.1860	0.016	AS4546

†Vacuum Capability on FLX4005. Temperature Range –65°F to +250°F (–54°C to +121°C)

Flexfab®

Application: Lightweight air handling hose and ducts for low positive pressure and high negative pressure applications and low to high temperature applications. (See chart below)

Construction: Flexible lightweight material, reinforced with external helically-wound nylon. Resistant to oils, solvents, ozone, fungus, alkalis and water per SAE AS1501.

Not recommended for handling liquids, powders or abrasive materials.

†FLX4007 Ultra Lightweight Silicone

Coated on light weight woven fiberglass body. Cuff is Silicone rubber coated on woven fiberglass.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff	SAE Compliance
4.00 to 6.00	–0 to +1 PSIG	0.75 x ID	0.0420	0.010	AS4774
6.25 to 8.00	–0 to +1 PSIG	0.75 x ID	0.0480	0.014	AS4774
8.25 to 10.00	–0 to +1 PSIG	0.75 x ID	0.0480	0.015	AS4774
10.25 to 12.00	–0 to +1 PSIG	0.75 x ID	0.0504	0.016	AS4774

† No Vacuum Capability on FLX4007. Temperature Range –65°F to +250°F (–54°C to +121°C)

FLX4007

FLX4008

†FLX4008 Lightweight Silicone

Coated on medium weight woven fiberglass body. Cuff is Silicone rubber coated on woven fiberglass.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff	SAE Compliance
0.50 to 1.00	–0.5 to +13 PSIG	1.0 x ID	0.0504	0.016	AS4804
1.25 to 2.00	–0.5 to +7 PSIG	1.0 x ID	0.0564	0.011	AS4804
2.25 to 3.00	–0.5 to +5 PSIG	1.0 x ID	0.0600	0.010	AS4804
3.25 to 4.00	–0.5 to +4 PSIG	1.0 x ID	0.0600	0.010	AS4804
4.25 to 5.00	–0.5 to +3 PSIG	1.0 x ID	0.0840	0.010	AS4804
5.25 to 6.00	–0.5 to + 2 PSIG	1.0 x ID	0.0840	0.010	AS4804
6.25 to 8.00	–0.5 to +2 PSIG	1.0 x ID	0.1560	0.014	AS4804
8.25 to 10.00	–0.5 to +2 PSIG	1.0 x ID	0.1800	0.015	AS4804
10.25 to 12.00	–0.5 to +2 PSIG	1.0 x ID	0.2040	0.016	AS4804

† Vacuum Capability on FLX4008. Temperature Range –65°F to +250°F (–54°C to +121°C)
All diameters are available in 1/4 inch increments, other diameters available on request. Standard lengths 4.00" to 240.00". Custom lengths are available on request. Maximum SCFM/in ID/ft length is .015.

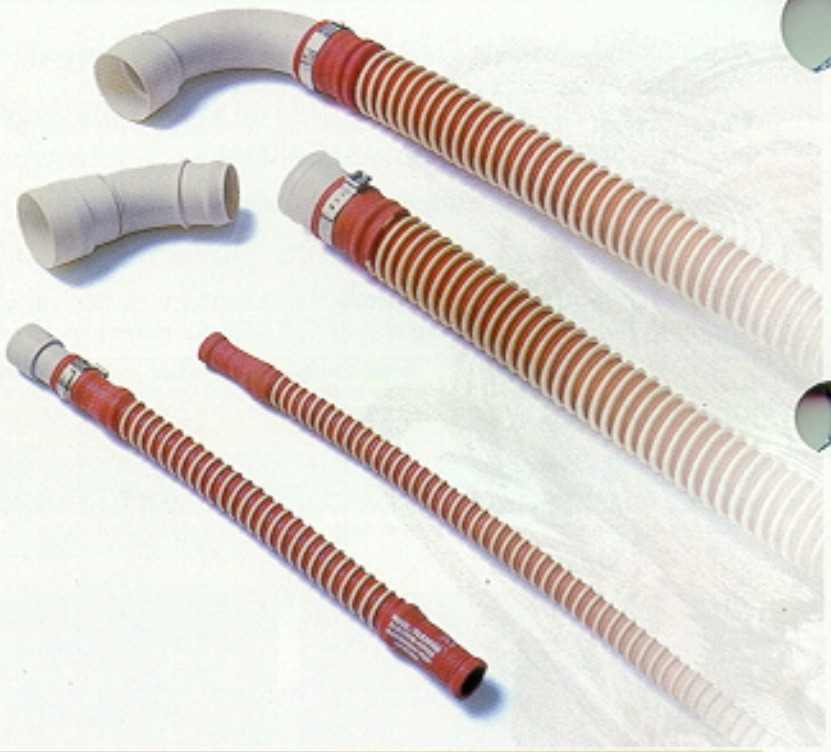
Lightweight Silicone Teflon Lined Hose

Hose has a Teflon® liner for minimum drag coefficient. It is covered with a silicone rubber coated fabric, either nylon or Nomex®, and reinforced with a continuous-filament nylon rod to provide maximum flexibility and minimum diameter restrictions in sharp bend areas. Nylon 30% glass filled fittings, male and female, in straight, 45° and 90° elbows are available. Stainless steel fittings are also available.

Application: Recommended for medium pressure handling of liquids and most chemicals. Teflon liner provides a smooth inner surface for maximum flow and minimum friction loss. Ideal for use where minimum weight is required.

Operating Temperature -65°F to +350°F (-54°C to +177°C)

Characteristics: • Lightweight • Resistant to oils, solvents, water, ozone, fungus and most chemicals • Operating pressure +35 psig; neg. 5 psig • Surge pressure +100 psig; neg. 10 psig.



Lightweight Low Pressure Conditioned Air Hose to AS Specifications

Applications: For environmental control systems (ECS) and other weight critical uses.

Characteristics: •Silicone fiberglass, non-metallic wire supported duct •Lightweight, flame resistant

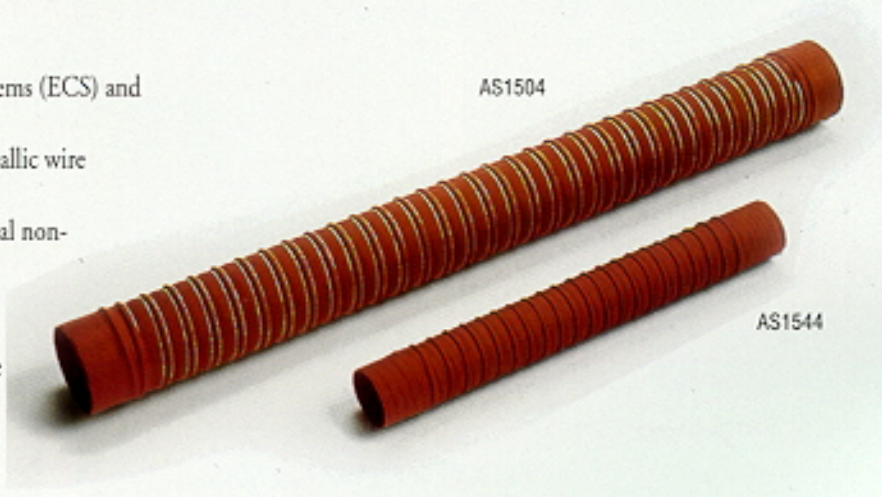
AS1504 – 1 ply silicone fiberglass with internal non-metallic support .07 lb. per inch ID, per ft. length.

AS1544 – 2 ply silicone fiberglass with non-metallic support between plies. Smooth inside surface. .10 lb. per inch ID, per ft. length.

Operating Temperature: –65°F to +250°F (–54°C to +121°C)

Meets FAR 25.853 test.

®Teflon and Nomex are trademarks of DuPont.



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Typical Custom Designed Ducts and Connectors

Flexfab is a pioneer in the manufacturing and processing of silicone and other reinforced elastomeric hose, ducts and connectors for major OEMs throughout the world.

Our engineering expertise and design capability, and our specific knowledge of fabrics and materials has earned the confidence and respect of industry professionals.

Industrial Connectors

Liquid Silicone Injection Molding

Marine Connectors

Aircraft Connectors

Other Products Manufactured by Members of the FHI Family

Calendered Fabric: Silicone reinforced sheets

Custom Extrusion: Silicone tubing and profiles

Connectors: Custom, flexible silicone special shapes, turbo connectors, charge air connectors and environmental control systems

Flexible Metal Hose: Stainless, galvanized and aluminized steel (including metal exhaust hose)

Liquid Handling Hose: Silicone industrial, coolant and heater

Garage Exhaust Hose: Both silicone and rubber

Pneumatic Material Handling Hose: Flexible metal and elastomers

Ventilation Hose: Large diameter, wire reinforced and flat, insulated and non-insulated. Special lightweight, clean room, vacuum and many other types for air, gases, dust, etc.

Liquid Silicone Injection Molding: (L.I.M.)

Additional information may be obtained by contacting:
Flexfab Horizons International, Inc.
Flexfab LLC

Call our sales representatives for quotes, technical information and order information.
Phone (616) 945-2433 Fax: (616) 945-4802

Mail: Flexfab Division • 1699 West M-43 Highway • Hastings, Michigan 49058 U.S.A.

Plants and distribution facilities are located in: •Hastings, Michigan •Albion, Indiana •Racine, Wisconsin • East Troy, Wisconsin •Nottingham UK •São Paulo, Brazil.

Flexfab has earned preferred quality awards from a distinguished list of world class manufacturers.

We take pride in these awards, which recognize superior products and a consistent high level of service; but we nonetheless consider every repeat order, from every customer, to be a singular honor.

While our expertise is flexible elastomeric hose, ducts and connectors, our commitment is to our customers.

Since our beginning in 1961, we have grown to over 300 dedicated employees who share our pledge to build a better product, deliver it on time and give superior customer service.

Every attempt has been made to bring you concise and informative information about Flexfab products and services. All specifications in this catalog are subject to change without notice. Feel free to contact us if you have any questions.

This is Our Creed

This is what we believe.

Value for Customers

We believe our first commitment is to our customers. In meeting their needs everything we do must be of high quality. We must constantly strive to reduce our costs, improve our quality and productivity. Customers' orders must be serviced promptly and accurately.

Quality of Life for Employees

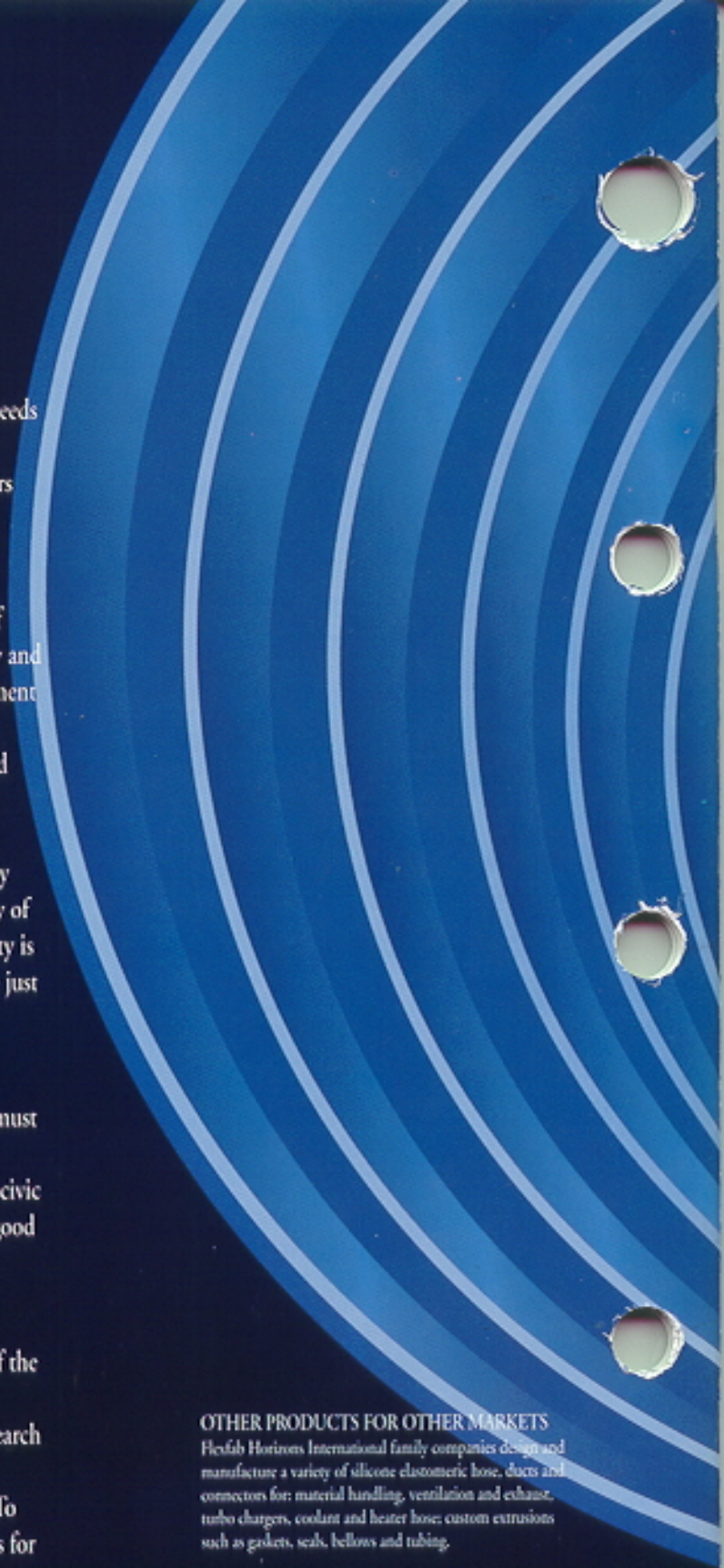
We are committed to the general welfare of our employees and the belief that each must be treated as an individual. We must respect their dignity and recognize their merit. There must be a sense of security in their employment and compensation must be fair. Employees must feel free to make suggestions and complaints. Working conditions must be safe, clean, and orderly. There must be equal opportunity for employment, personal development, and advancement for those qualified. The worth of an employee must be recognized by providing challenging work. Adequately trained and educated employees are necessary in maintaining our quality of work life. We must provide competent management, whose responsibility is to accomplish our long term goals and objectives. Their actions must be just and ethical.

Service for Community

We are committed to the communities in which we live and work. We must be good citizens by supporting community projects and charities both financially and with time and talents of employees. We must encourage civic improvements and better health and education. We must maintain, in good order, our property and protect the environment and natural resources.

Benefit for Shareholders

Our final commitment is to our shareholders. The long term viability of the corporation must be assured. New products and capabilities must be developed. New ideas must be encouraged and experimented with. Research must be carried on and innovative programs developed. Facilities and equipment must be properly maintained and replaced when necessary. To meet this commitment, adequate profits are necessary, as well as reserves for adverse times. With a fair price for our products and keeping costs under control, the shareholders will realize a fair return.



OTHER PRODUCTS FOR OTHER MARKETS

Flexfab Horizons International family companies design and manufacture a variety of silicone elastomeric hose, ducts and connectors for: material handling, ventilation and exhaust, turbo chargers, coolant and heater hose; custom extrusions such as gaskets, seals, bellows and tubing.

Flexfab

COMMITTED TO EXCELLENCE IN ENGINEERED ELASTOMERIC PRODUCTS SINCE 1961

A MEMBER OF THE FHI FLEXFAB HORIZONS INTERNATIONAL INC.

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