



SOUTHEASTERN HOSE, INC.

Where Special Assemblies are the Standard

General Product Catalog

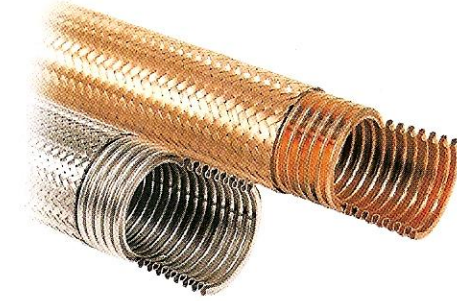
Hose Assemblies & Expansion Joints



METAL • RUBBER • TEFLON® • COMPOSITE

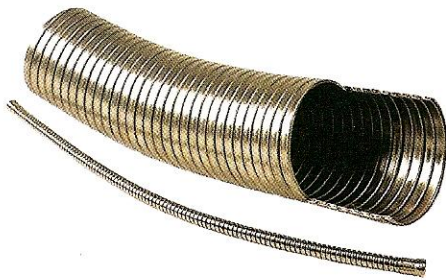
General Products

Corrugated Metal Hose braided/unbraided



Corrugated Metal Hose is generally used for flexing and vibration, while conveying liquids and gases. The metal wire braid provides the assembly with a higher pressure capability by acting as a restraint against hose elongation and acts to dampen vibration. The annular hose is formed from tubing into individual parallel corrugations and the braid is manufactured by grouping single wires and then braiding them into an intricate pattern that tightens when the braid is stretched. Alloys include bronze, steel, stainless steel, and Monel. Working pressures range from full vacuum through 12,000 psi. Temperatures up to 1500°F. Standard sizes range from 1/4" through 18" I.D. A variety of size, length and end fitting configurations are available.

Stripwound/Interlock Hose



Stripwound/Interlock Hose is generally used for conveying saw dust, grain, plastic pellets, tar and asphalt, and exhaust fumes. The hose can also be used as a protective armor guard on other types of hose assemblies. The hose is manufactured by spirally winding a preformed continuous metal strip, so that the edges interlock to form a hose. The stripwound/interlock hose is available with a directional flow liner. Alloys include galvanized and stainless steel. Standard sizes range from 5/32" through 24" I.D. A variety of size, length and end fitting configurations are available.

Metal Expansion Joints



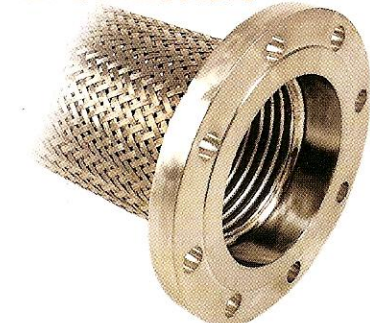
Metal Expansion Joints are generally used to absorb movement in piping caused by thermal changes. Standard bellows are alloy 316 stainless steel. We also stock alloys 304 and 321, with other special alloys available. Control rods, liners and covers are available, as required. End fittings include welding nipples, fixed flanges or floating flanges. Standard pipe sizes range from 2" through 84". A variety of size, length and end fitting configurations are available. Units designed for many special applications and are built to customer specifications.

Bronze Braided Connectors



Bronze Braided Connectors are generally used to absorb vibration in air conditioning and refrigeration piping systems and for the elimination of piping stress on pumps. They are constructed of bronze or stainless steel corrugated hose and braid. End fittings include copper female sweats, MPT, FPT, and flanges. Working pressures up to 400 psi at 68°F. Standard sizes range from 1/4" through 4" I.D. A variety of size, length and end fitting configurations are available.

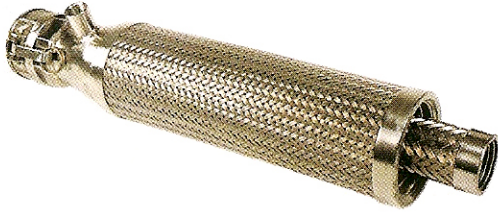
Flex Connectors



Flex Connectors are primarily designed for installation in pump suction and discharge lines, to prevent damage to equipment caused by vibration and pipe misalignment. The flex connectors are hose assemblies manufactured from braided corrugated metal hose and are available in bronze, stainless steel and Monel. Flex connectors are available with a smooth bore Teflon liner. End fittings include flanges, MPT and sweat. Working pressures range from full vacuum through 12,000 psi. Temperatures up to 1500°F. Standard sizes range from 1/4" through 18" I.D. A variety of size, length and end fitting configurations are available. Standard and special assemblies are available and built to customer specifications.

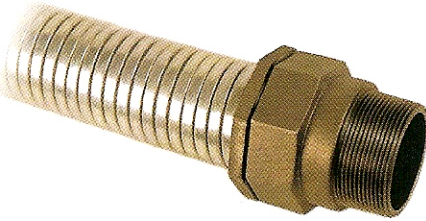
General Products

Jacketed Hose Assemblies



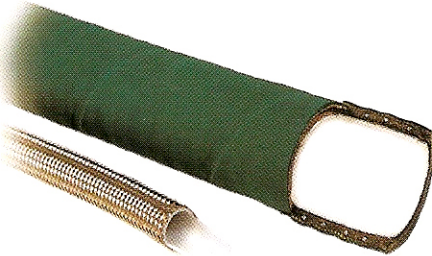
Jacketed Hose Assemblies are generally used to heat fluids, which are normally viscous at 70°F. Assemblies use the jacketed section to carry steam or hot oil, to raise the temperature of the fluid moved in the internal hose, thereby lowering the viscosity and permitting uninterrupted material flow. Jacketed hose assemblies are made up of two flexible hose units, one inside another. *Reference Corrugated Metal Hose.* Alloys include bronze, steel, stainless steel, and Monel. Working pressures are per application. Temperatures up to 1500°F. A variety of size, length and end fitting configurations are available.

Tar & Asphalt Hose



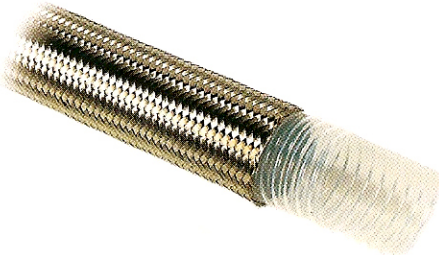
Tar and Asphalt Hose is generally used for road repair, spray and patch work, and transfer of tar and asphalt. These assemblies use a heavy weight interlock/stripwound hose, made from galvanized steel strip, with high temperature packing. Working pressures up to 100 psi. Temperatures up to +500°F. End fittings include MPT and FPT swivels. Lengths up to 60'. Standard sizes range from 1" through 4" I.D.

Smooth Bore Teflon® Hose



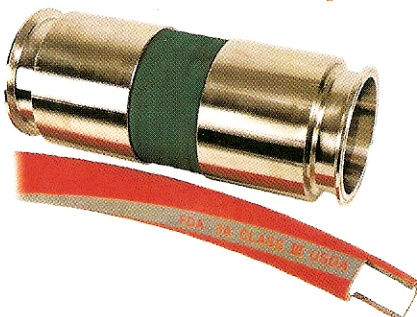
Smooth Bore Teflon® Hose is generally used for conveying liquids and gases. The hose is an extruded tube, which is covered by a bronze or stainless steel wire reinforcing braid or rubber outer cover. Hose is lightweight and inert to most chemicals. Working pressures range from 150 psi up to 5000 psi. Temperature range is from -65°F. to +450°F. Standard sizes range from 3/16" through 4" I.D. A variety of size, length and end fitting configurations are available.

Convuluted Teflon® Hose



Convuluted Teflon® Hose is generally used for chemical transfer, petroleum transfer and pump connection applications. The hose has a heavy inner-core wall of convoluted natural Teflon® or black static dissipating conductive tube, with stainless steel or polypropylene outer braid. All types of stainless steel and Teflon® lined end fitting configurations are available. Full vacuum rated. Working pressures range from 150 psi up to 2200 psi. Temperature range is from -65°F. to +450°F. Standard sizes range from 3/8" through 4" I.D. A variety of size, length and end fitting configurations are available.

Food Grade/Sanitary Hose



Food Grade/Sanitary Hose is generally used for the transfer of food grade and pharmaceutical products. The hose is a smooth Teflon® inner tube or food grade rubber, with an EPDM rubber cover, with multiple polyester and helix wire reinforcement. All types of stainless steel and Teflon® lined end fitting configurations are available. Full vacuum rated. Working pressures range from 150 psi to 500 psi. Temperature range is from -40°F. to +350°F. Standard sizes range from 1/2" through 4" I.D. A variety of size, length and end fitting configurations are available.

General Products

Composite Hose



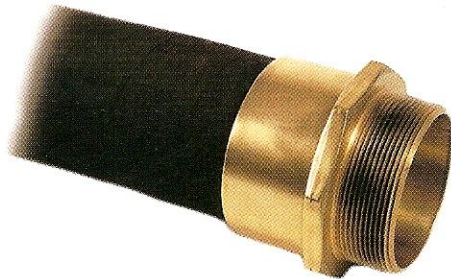
Composite Hose is generally used for chemical, paint, and petroleum transfer. Inner wire is made of polypropylene-coated steel or 316 stainless steel. Outer wire is made of galvanized steel or 316 stainless steel. The carcass is multiple layers of heavy duty polypropylene fabric, film and polyester barrier layer. The cover is abrasion-resist and PVC-impregnated fabric. The multi-layer construction is lightweight and flexible, for ease of handling. Working pressures up to 350 psi. Temperature range is from -22°F. to +212°F. Lengths up to 60'. Standard sizes range from 1" through 10" I.D. A variety of size, length and end fitting configurations are available. All composite hoses comply with various US and international standards.

Hydraulic Hose Assemblies



Hydraulic Hose Assemblies are generally used on material handling equipment, off road equipment, farm machinery, marine equipment, and railroad equipment. The inner tube and outer cover are constructed from a variety of rubber or nylon compounds, with fiber braid and wire reinforcement. Working pressures range from 250 psi through 5000 psi. Temperature range is from -67°F. to +300°F. Standard sizes range from 3/16" through 2" I.D. A variety of size, length and end fitting configurations are available.

Industrial Rubber Hose



Industrial Rubber Hose is generally used for air, water, steam, petroleum, and chemical transfer. This hose is also used for unloading oils and fuels from tank railroad cars. The outer cover is constructed from a variety of rubber compounds and the inner tube is constructed from cross-linked and UHMW polyethylene, Teflon, EPDM, nitrile, neoprene, SBR, and PVC, with nylon and wire reinforcement. Working pressures up to 1500 psi. Temperature range is from -20°F. to +450°F. A variety of size, length and end fitting configurations are available.

Flexible Duct



Flexible Duct is generally used for handling air, airborne particles, fumes, and materials. Flex Duct is impregnated with neoprene, urethane, PVC, vinyl, or fiberglass compounds for long life and abrasion resistance. Fabric is reinforced with close pitch steel wire helix. Temperature range is from -75°F. to +500°F., for both positive and negative pressures. Lengths up to 50'. Standard sizes range from 1" through 24" I.D.

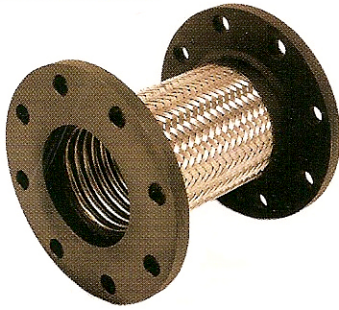
Cam & Groove Fittings



Cam & Groove Fittings provide a unique quick coupling connection for hoses handling water, liquid petroleum and other fluids. They are interchangeable with other manufacturers. Available in aluminum, brass, stainless steel, ductile iron, polypropylene, and other special alloys, as required. Standard pipe sizes range from 1/2" through 8".

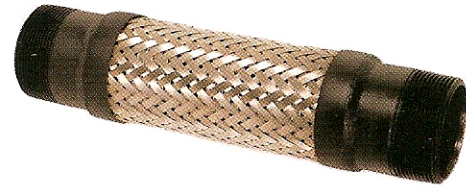
General Products

Stainless Steel Braided Pump Connectors



Style SECF Stainless Steel Braided Pump Connectors are manufactured using 300 alloy stainless hose and braid and a steel plate with 150# drilling as the flange. Other end fittings, including 300# flanges and grooved nipple ends, are available. Working pressures up to 315 psi at 250°F. Standard and special lengths are available. Standard sizes range from 2" through 16" I.D.

Stainless Steel Braided Pump Connectors are generally used for vibration absorption and the elimination of piping stress on pumps. They are constructed of stainless steel annular corrugated metal, surrounded with a woven braid of high tensile stainless steel. These assemblies are flexible and can withstand high pressures and temperatures.



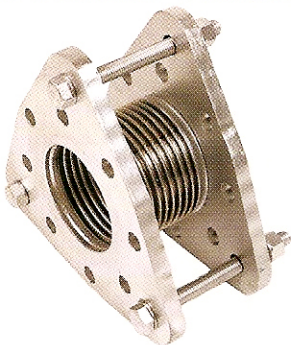
Style SECM Stainless Steel Braided Pump Connectors are manufactured using 300 alloy stainless hose and braid and a sch. 40 carbon steel nipple with male threaded ends. Other end fittings, including 300# flanges or grooved nipple ends, are available. Working pressures up to 1125 psi at 250°F. Standard and special lengths are available. Standard sizes range from 1/2" through 4" I.D.

Vibration Eliminators



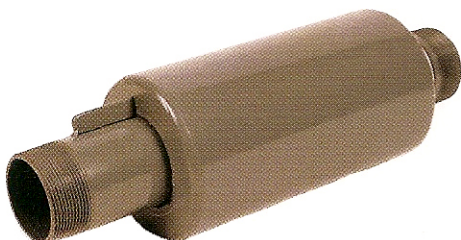
Style SECC-UL Vibration Eliminators are generally used for absorbing vibration and noise in refrigeration and air conditioning systems. Manufactured of bronze corrugated hose and braid. End fittings are copper female sweats. Working pressures up to 1000 psi. Maximum temperature is 450°F. Standard sizes range from 1/4" through 3" I.D. All style SECC-UL vibration eliminators are recognized by Underwriters Laboratories.

Tie Rod Bellows Connectors



Style SETC Tie Rod Bellows Connectors are designed to protect critical mechanical equipment and reduce noise by absorbing and minimizing the forces and stress within piping systems. The all metal construction of these units, consisting of stainless steel bellows, carbon steel flanges and carbon steel tie rods, allows for high pressure and temperature service. Standard sizes range from 2" through 16" I.D. Working pressures are rated at 150 psi at 500°F.

Expansion Compensators

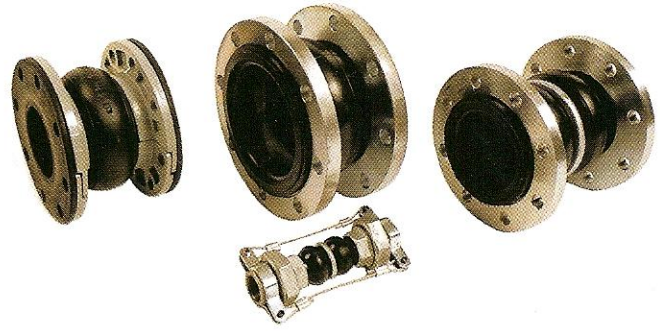


Style SEBC and **Style SESC** Expansion Compensators are generally used to absorb pipe motion in small diameter systems. Manufactured of a stainless steel bellows with steel shroud. Maximum working pressure is 200 psi. Types SEBC, use copper female tube ends or copper male x female tube ends. Standard pipe sizes range from 3/4" to 3". Types SESC, come standard with carbon steel MPT fittings. Other weld ends, FPT and flanges are available, upon request. Standard pipe sizes range from 3/4" through 4".

General Products

Rubber Expansion Joints

Rubber Expansion Joints are generally used as connectors between vessels operating at widely different temperatures. They absorb pipe misalignment, compression and extension, noise and vibration, in a relatively short space. Available in single arch, reducing spool type and multiple arch, with or without filled arches. Control rods available. Working pressures up to 220 psi. Temperatures up to 250°F. Standard pipe sizes range from 1 1/2" through 60".



Style SEMJ Flex-Rubber Expansion Joints are manufactured using heat resistant chlorobutyl and high strength polyester reinforcement. End fittings are full face rubber, with 150# carbon steel back-up flanges. Joints have a wide arch configuration and are available in other elastomers for special applications. Working pressures up to 150 psi. Temperatures up to 250°F. Standard sizes range from 2" through 24" I.D.



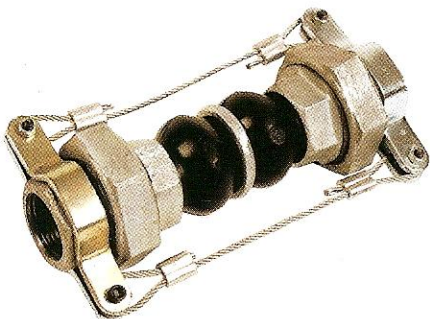
Style SEMS Flex-Rubber Expansion Joints are generally used in heating and air conditioning systems, for hot and cold water service, and for mild chemicals and oils. Manufactured using neoprene tube and cover, with a fully molded single spherical design. End fittings are 150# Zinc plated carbon steel rotating flanges, with a steel bead flange retainer. No separate retaining rings are ever required. Working pressures up to 220 psi. Temperature range is 14°F. to 230°F. Standard sizes range from 1 1/2" through 20" I.D.



Style SEMSD Flex-Rubber Expansion Joints are generally used in heating and air conditioning systems, for hot and cold water service, and for mild chemicals and oils. Manufactured using double sphere neoprene tube and cover. End fittings are 150# Zinc plated carbon steel flanges, with a steel bead flange retainer. No separate retaining rings are ever required. Working pressures up to 225 psi. Temperatures up to 220°F. Standard sizes range from 2" through 12" I.D.

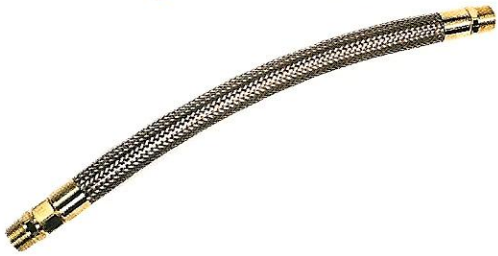


Style SEMSDU Flex-Rubber Expansion Joints are generally used in heating and air conditioning systems, for hot and cold water service, and for mild chemicals and oils. Manufactured using double sphere neoprene tube and cover. End fittings are steel female unions. Working pressures up to 150 psi. Temperatures up to 225°F. Standard sizes range from 3/4" through 3" I.D.



General Products

Heat Pump Connectors



Style SEHC Heat Pump Connectors are used for heat pump connections. They are made of black nitrile tube and black neoprene cover, with fiber braid reinforcement. Assemblies are available with armor braided cover. Working pressures are 300 psi at 212°F. Standard fittings are brass MPT x MPT swivel. Other configurations include MPT x FPT swivel and MPT x MPT. Standard sizes are 1/2", 3/4" and 1".

Style SEHC-SS Heat Pump Connectors are the same as style SEHC, except they have a stainless steel outer braid. Style SEHC-SS are rated class 1 per UL 723/ASTME84-98; Flame Spread Index (FSI): 0; Smoke Developed Index (SDI): 10.

Style SEHC and SEHC-SS Heat Pump Connectors are all MSHA flame resistant.

Pipe Guides



Style SEPG Pipe Guides are a form of framework fastened to some rigid part of the installation, which permits the pipe line to move freely in only one direction, along the axis of the pipe. All component parts are made of heavy gauge carbon steel. Standard sizes range from 1/2" through 12", and can be manufactured for any insulation thickness.

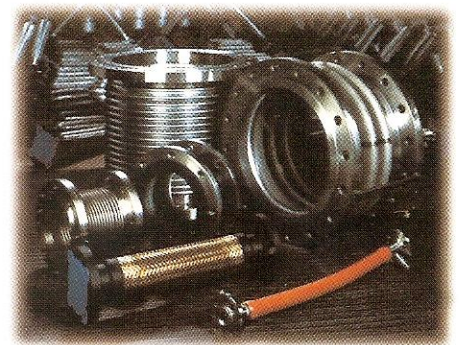
Teflon® Expansion Joint



Style SETJ Molded Teflon® Connectors have wide application for the chemical processing industry. Units provide corrosion resistance, smooth mold walls and short face to face. Ductile iron flanges with tapped bolt holes, integral steel limit bolts and reinforcing rings enable this unit to absorb vibration and allow for thermal movement and misalignment in piping. Available in three different lengths, in two, three, or five bellows style. Molded of PTFE material for long life and extreme chemical resistance. All flanges tapped to mate with 125# and 150# companion flanges. No gaskets needed. Working pressures up to 170 psi. Temperatures up to 400°F. Standard pipe sizes range from 1" through 12".

See what Southeastern Hose, Inc. can do for you...

- The design, quality assurance and manufacturing practices at Southeastern Hose, Inc. are in compliance with the following codes: Our extensive welding department uses AWS D1.6 and ASME IX Certified welders (MIG, TIG and BRAZING) to support fabrication requirements to NAHAD, EJMA, ASME B31.1, B31.3, Chlorine Institute, and other applicable codes and standards.
- At Southeastern Hose, Inc., 100% of our products are tested to ensure they are right the first time. We are capable of performing all types of non-destructive testing, such as radiography, ultrasound, mass spectrometer, magnetic particle, pneumatic, hydrostatic, helium leak, vacuum, and liquid penetrant inspection.
- Southeastern Hose, Inc. offers in-house forming, machining and cleaning for oxygen service capabilities.
- Material Test Reports can be provided for complete raw material traceability and verification.



Established in 1963, Southeastern Hose, Inc. is a leading fabricator of metal, rubber, Teflon[®], and composite hose assemblies and expansion joints, pump connectors, hydraulic, pneumatic, and jacketed assemblies, chemical transfer, tar and asphalt, air, coolant, and stripwound hose. We offer an assortment of fittings, couplings and adaptors, and we have components in an exceptionally wide variety of types, sizes and materials.

We service plant maintenance in virtually all fields of industry, including chemical, petroleum, food, metal, and steel processing, pulp, paper and textiles, transportation, heavy equipment, aerospace, nuclear power, and new construction.

Our facility is located in Bremen, Georgia and occupies 44,000 square feet of manufacturing and warehouse space. Our facility is completely equipped for the design and manufacture of hose assemblies and expansion joints. We maintain one of the most complete inventories available, stocking a variety of sizes and alloys, to handle most any emergency inquiry. Our inventory, for the 25 plus product lines that we carry, is more complete than anywhere else in the country.

Southeastern Hose, Inc. currently employs approximately 50 associates, who by maintaining our high standards of providing a quality product with quality service, are dedicated to upholding our tradition of "growth through service."

Our engineering ability can save you time and money, so "Connect with Confidence" and contact us early in your piping plans.

This publication illustrates the standard Southeastern Hose, Inc. product line. There are many special applications, where pressure, temperature, corrosion, movement, and other elements are a factor. We stock many sizes alloys, pressures, lengths, and end fittings to fabricate assemblies, built to customer specifications.

SOUTHEASTERN HOSE, INC.

P.O. Box 575

506 Sangamore Road

Bremen, Georgia 30110

24-Hour Emergency Service*

*800.241.4818**

770.537.5571

770.537.5573 / fax

info@sehose.com

www.sehose.com

