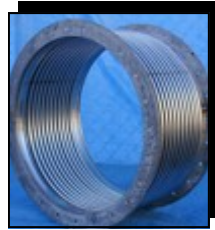


ENGINE / EXHAUST PRODUCT OVERVIEW

FLEXIBLE COMPONENTS & ASSEMBLIES

- Bellows
- Braided Connectors
- Pump & Compression Connectors
- Expansion Joints
- Exhaust Flex
- Exhaust Wye Manifold Assemblies
- Tubing / Elbows / Adapters
- Hose & hose Assemblies
- Jacket Water Connectors
- Interlock Hose, Bulk & Assemblies
- Hydraulic Hoses
- Exhaust Clamps & Hardware



NON-FLEXIBLE COMPONENTS & ASSEMBLIES

- OEM & Repair Exhaust Components
- Rain Caps
- Hose & Hose Assemblies
- Tubing / Pipe
- Flanges / Gaskets / Hardware
- Exhaust Clamps & Hardware
- Elbows / Adapters / Cones
- Insulation
- Reducers
- Silencers



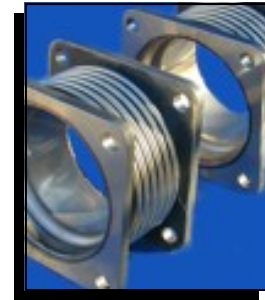
Most Items In Stock For Same Day Shipment!



ENGINE / EXHAUST PRODUCT OVERVIEW

EXPANSION JOINTS & BELLOWS

- Hydroformed Bellows
- Mechanically Formed Bellows
- Hydraulically Formed Bellows
- Exhaust & Turbo Assemblies
- Single & Dual Configuration
- Externally Pressurized
- Pump Connectors
- Turbine Joints
- Expansion Compensators
- Custom High Temperature
- Extreme Vibration Resistant Bellows



SELECTION

The proper selection and application of an exhaust component is the determining factor in its operation and life. Improper selection and application will lead to problems in the field causing failure down time, and system problems. When selecting a bellows or expansion joint, the following important factors should be considered:

- Pipe or tubing size.
- Dimensional constraints or restrictions
- Normal or maximum working pressure.
- Maximum temperature.
- Type of movements (axial compression or extension, lateral, angular).
- Amount of concurrent movement.
- Flow rate or velocity through the bellows or expansion joint.
- Type of media flowing through expansion joint (exhaust gas, steam, oil, water, corrosives, etc.).
- Type of end fittings (flanges, weld ends, or special fittings).
- Extreme service conditions (vibration, large amounts of motion in more than one plane, etc.).
- History reflects when these basic factors are considered during the initial design stage, the product will Perform as intended with the expected cycle life and service life.
- Our services include full system design, engineering analysis, component drawings, FMEA (Failure Mode Effects Analysis) and system re-design.

