

Flexible Solutions

**DURAFLEX** INC.™

for Rigid Applications

**ENGINE | EXHAUST**

**FLEXIBLE COMPONENTS & ASSEMBLIES**

CUSTOM

**STANDARD**

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

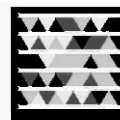
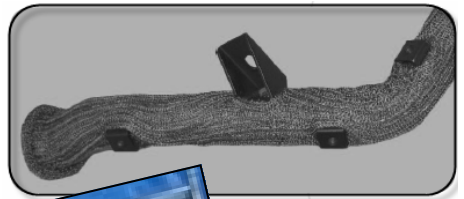


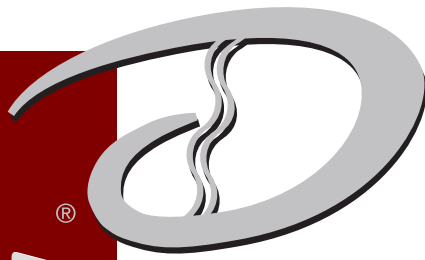
**NON-FLEXIBLE COMPONENTS & ASSEMBLIES**

**DIESEL**

GASOLINE

- OEM & Repair Exhaust Components
- Tubing / Pipe
- Flanges
- Custom Mitering
- Elbows / Adapters / Cones
- Insulation
- Reducers





Flexible Solutions

**DURAFLEX**<sup>™</sup> INC.

for Rigid Applications

**ENGINE | EXHAUST****EXPANSION JOINTS & BELLOWS**

CUSTOM

STANDARD

- 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
- Vibration Resistant
- High Cycle Life

**SELECTION**

Proper selection & application of an exhaust component is a key element in its operation & life. Improper selection & application will lead to problems in the field causing failure down time & system problems. When selecting a bellows/expansion joint, the following important factors should always be considered:

DIESEL

GASOLINE

- Pipe or Tubing Sizes
- Dimensional Constraints/Restrictions
- Normal or Maximum Working Pressure
- Maximum Temperature
- Type of Movements (axial compression/extension, lateral, angular)
- Concurrent Movement amounts
- Flow Rate/Velocity through the bellows/expansion joints
- Media Type flowing through expansion joint (gas, steam, oil, water, corrosives, etc.)
- End Fittings Type (flanges, weld ends, special fittings)
- Extreme Service Conditions (vibration, excessive 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 & service life's.

*SERVICES: full system design, engineering analysis, component drawings, FMEA & system re-design.*

