



American
Expansion
Joints, Inc

A Division of Precision Hose
and Expansion Joints, Inc.

EXPANSION JOINTS

Expansion Joints

ISO-9001:2015

American Expansion Joints is an industry leading supplier in the design and manufacturing of custom Expansion Joint solutions. Our goal is to create products that are extremely competitive, high quality, and long lasting. We have decades of experience in a variety of industries including Utilities, Pulp and Paper, Cement, Petrochemical, HVAC, Automotive, Steel, Timber Products, and more.

Flue Duct Expansion Joints

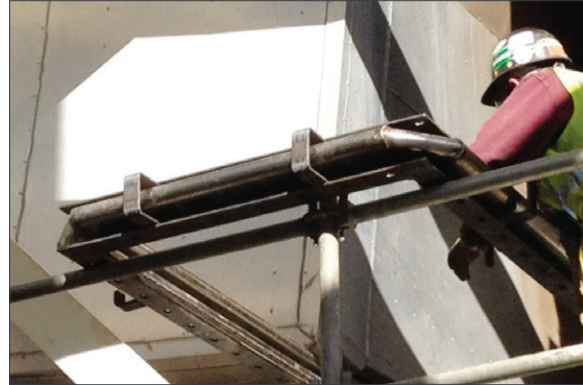


NON-METALLIC FLUE DUCT EXPANSION JOINTS

Non-Metallic Flue Duct Expansion Joints allow for large lateral and axial movements, as well as temperatures exceeding 2100°F. They are designed to last years in rugged, industrial service, and are typically easy to install and replace.

Non-Metallic Flue Duct Expansion Joints are custom manufactured per the application.

- EPDM, Viton, Silicone, and Teflon Composite materials of construction.
- Lightweight and easy to install.
- Tremendous thermal movement capabilities.
- Available in “U-type” and “Belted” designs, as well as other various configurations.
- Can be patched on-site in the event of a failure.
- Easy to splice endless onsite, if required.
- Replacements can ship within 24-hrs, in case of an emergency.
- Less expensive than metallic expansion joints.
- No size restrictions on length or face-to-face.
- Auxiliary equipment such as baffles, insulation pillows, back-up bars, frames, etc. are readily available.
- Excellent against vibration and flutter.
- Non-Metallic Expansion Joints offer the lowest spring rates.



METALLIC FLUE DUCT EXPANSION JOINTS

American Expansion Joints manufactures Metallic Flue Duct Expansion Joints in virtually any width, and any size range required, regardless of the configuration.

These expansion joints are available in all types of alloys, with the most popular being Corten and Stainless Steel.

Our Metal Expansion Joints achieve decades of service life, in the toughest of conditions.

- Custom manufactured per each application.
- Extremely long lasting.
- Available with single or multiple convolutions.
- Bellow shapes are available in Omega (rounded), V (accordion), Box and/or Doghouse configurations.
- End connections can be either flanged (bolt-in) or weld-in.
- Metal Expansion Joints can be designed to carry duct loads.
- Excellent for high pressure and steam service applications.
- Auxiliary items are readily available such as pins and guides, control rods, insulation pillows, baffles, etc.
- Corten, Carbon Steel, and Stainless Steel materials are kept in stock at our factory, ranging from 11-31 gauge.
- Designed to American Society of Mechanical Engineers (ASME) standards.
- American Expansion Joints only has certified welders in our shop, and we can accommodate any type of weld testing that is required.

Pressure Piping Expansion Joints



METALLIC PRESSURE PIPING EXPANSION JOINTS

American Expansion Joints' parent company, Precision Hose & Expansion Joints, has over 30 years' experience manufacturing Metallic Pressure Piping Expansion Joints in a wide range of applications. The combination of engineering, process knowledge, and manufacturing capabilities has allowed us to become an industry leader for any and all Expansion Joint needs.

American Expansion Joints offers many styles for different applications.

- We currently offer Metallic Pressure Piping Expansion Joints in sizes ranging from 2" to over 200".
- Expansion Joint Manufacturers Association (EJMA) calculations are provided on all expansion joints.
- Metallic Pressure Piping Expansion Joints are most commonly offered in 304, 316, or 321 Stainless Steel, but are available in virtually any alloy.
- Available in single or multiple plies. The bellows are mechanically formed.
- Allow for extremely high pressure applications, but are also used in low pressure piping applications.
- Auxiliary items such as control rods, insulation pillows, baffles, and a variety of end fittings are readily available.
- All Expansion Joints are 100% hydro tested. Additional tests offered include Dye Penetrant, Pneumatic, and Mass Spectrometer to name a few.



RUBBER PRESSURE PIPING EXPANSION JOINTS

Rubber Pressure Piping Expansion Joints are a long-lasting solution to extending the useful service life of piping systems and related auxiliary equipment. These joints provide relief from fatigue caused by thermal movements, vibration, and mechanical stresses.

Our Rubber Pressure Piping Expansion Joints are built to withstand extreme conditions.

- Sizes range from 1/2" to 140" ID, with virtually any face-to-face required.
- Available in single through quadruple arch designs.
- Offered in EPDM, Neoprene, Nitrile, Butyl, Hypalon®, Viton®, and Natural Rubber just to name a few.
- Reduce vibration and dampen sound transmission
- In stock and ready to ship up to 40" for standard face-to-face dimensions.
- Control Rods, Limit Rods, Back-up Bars, and Fittings are in stock.
- Wide arch designs for extended movements and special high pressure designs are both available.
- Full array of Concentric and Eccentric tapered, as well as Universal Expansion Joints.
- We offer no-flange expansion joints, as well as boots for slip-on, clamped installation.
- High and low pressure applications.
- Lightweight, long lasting, and low maintenance.



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ISO-9001:2015
americanexpansionjoints.com
sales@americanexpansionjoints.com
1.877.850.2662 Phone

