

EXPANSION JOINTS



Sales – Installation – Inspection

Welcome to Liquidmetal Industrial Solutions

Your Trusted Partner for Expansion Joint Sales, Installation, Repair, and Inspection.

At Liquidmetal Industrial Solutions, we specialize in providing comprehensive solutions for heavy industry needs. Whether you're looking to purchase, install, repair, or inspect metal, rubber, or fabric expansion joints, we have the expertise and resources to deliver top-tier service and performance. We sell expansion joints that are designed to optimize system efficiency, reduce maintenance costs, and extend the life of your machinery and infrastructure. With years of industry experience and a team of dedicated professionals, we offer customized solutions that meet the highest standards of quality, reliability, and safety.

From initial consultation to ongoing maintenance, we ensure your operations run smoothly and efficiently, minimizing downtime and enhancing productivity. Trust Liquidmetal Industrial Solutions for all your expansion joint needs, and let us help you achieve long-lasting, cost-effective solutions for your business.



DESIGN

- Universal
- Pressure Balanced
- Axial
- Hinged
- Gimbal
- Two-ply Testable
- Rectangular
- Heavy-Walled
- Rounded Corners
- Miter Corners
- Camera Corners
- Pantographic Linkage

Metal expansion joints are designed and tested in accordance with internationally recognized codes and standards, ensuring superior quality and performance.

These standards include:

ASME (American Society of Mechanical Engineers)
EJMA (Expansion Joints Manufacturers Association, Inc.)
AD Merkblätter (German Industrial Standards)

**We work with a trusted partner to provide you with
reliable, high-quality expansion joints
for all your critical applications.**



Fabric Expansion Joints

DESIGN

- Circular or other shape
- Single or Multi-Layer
- Limitless Dimensions
- Temperatures up to 2192°F
- Belt Type or Flanged Type
- With or Without Steel Frame

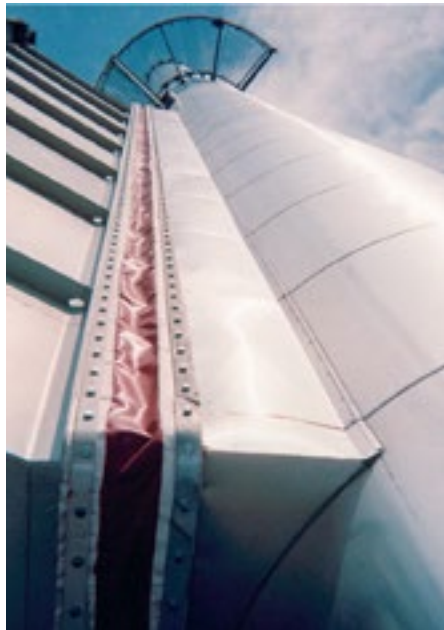
Fabric expansion joints are designed and tested in accordance with internationally recognized codes and standards, ensuring superior quality and performance.

These standards include:

FSA (Fluid Sealing Association)

ESA (European Sealing Association)

We work with a trusted manufacturer to provide you with reliable, high-quality expansion joints for all your critical applications.



Rubber Expansion Joints

DESIGN

- Single Convolution
- Double Convolution
- Triple Convolution
- Complete Tied
- Rectangular
- EXC-Type
- CONC-Type
- Elbow-Type

Rubber expansion joints are designed and tested in accordance with internationally recognized codes and standards, ensuring superior quality and performance.

These standards include:

FSA (Fluid Sealing Association)

ASTM (American Society for Testing and Materials)

We work with a trusted manufacturer to provide you with reliable, high-quality expansion joints for all your critical applications.



Experienced Installation Services

Our expert team specializes in the replacement of metal, rubber, and fabric expansion joints, ensuring optimal performance and durability for industrial systems. Our crew includes certified welders skilled in TIG, MIG, and Stick welding, experienced pipefitters and millwrights for precise installation, and trained technicians for rubber and fabric joint replacements. Possessing the "R" stamp certificate of authorization from the NBBI we carry out work that complies with the National Board's requirements.

We provide NDE-certified inspectors to verify weld integrity and ensure compliance with industry standards. With a strong focus on safety, our OSHA-certified professionals oversee every project to maintain the highest safety standards. Whether for power plants, pulp and paper mills, HRSG units, or Waste-to-Energy facilities, we deliver reliable, high-quality solutions to keep your operations running smoothly.

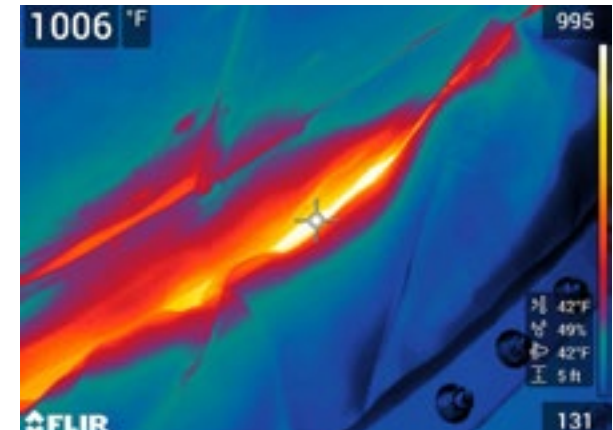


Expert Inspection Services

At Liquidmetal Industrial Solutions, we offer specialized inspection services for Fabric, Metal, and Rubber Expansion Joints to help you maintain peak performance and extend the lifespan of your systems. Our team of highly trained professionals uses advanced diagnostic tools and industry-leading techniques to perform thorough inspections, ensuring the integrity of your expansion joints.

We begin with a visual inspection, looking for signs of wear, cracking, or corrosion. In some instances (as shown below) we use thermal cameras to detect leaking or failing joints. For more in-depth analysis, we use ultrasonic testing, and pressure testing to assess internal conditions that may not be visible to the naked eye. These methods help us detect early signs of deterioration, potential leaks, or stress-related issues that could lead to system failure. Our team also checks alignment, flexibility, and overall functionality, ensuring that the expansion joints are operating efficiently within their intended parameters.

This thermal image reveals extreme temperatures of a failing expansion joint.



Whether it's for industrial machinery, pipelines, or other critical systems, our inspections are designed to provide you with actionable insights, ensuring safety, efficiency, and compliance with industry standards. Trust Liquidmetal Industrial Solutions to deliver reliable, timely evaluations that will prevent costly downtime and optimize the performance of your equipment.

About Seiris Expansion Joints



SEIRIS specializes in the design and manufacturing of expansion joints and flexible connections for piping and ducting systems.

Founded in 1978, the company initially focused on fabric expansion joints. Over the years, SEIRIS expanded its expertise to include metal and rubber expansion joints serving various industries such as power generation, (biomass, coal, combined cycle, waste to energy), pulp and paper, oil and gas, cement, steel, chemical, and petrochemical industries.

Being present in various countries, SEIRIS's engineering team has worked on projects across different industries to give a broad and deep understanding of the requirements for diverse applications.

These engineering capabilities allow SEIRIS to deliver high performance, reliable, and cost-effective expansion joints tailored to their clients' specific needs.



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