

# INSET



**YOUR COMPREHENSIVE  
SOLUTION FOR  
INDUSTRIAL NEEDS**

Inset is a leading provider of industrial products and services, offering a wide range of Solutions to meet the diverse needs of your industry. With a commitment to quality, reliability, and customer satisfaction, Inset is your trusted partner for all your industrial requirements. Our extensive product line includes everything from pipes and fittings to pumps, valves, and expansion joints. We also offer specialized services, such as project management, technical support, and maintenance.

With our deep industry expertise and strong partnerships with leading manufacturers, we can deliver innovative and cost-effective solutions to our customers. Our dedicated team of professionals is committed to understanding your specific needs and providing solutions that meet your requirements.

## Our Partners

Toraflex®

**Rice**  
HYDRO INC.

**TECO**

**Worbar**  
Industrial Rubber Tools

Uniflow®

**Comeval**  
A Division of S.A. S. C. S.

**Amtec**  
Pumps

**Chicago**  
Pneumatic

**CAPROCO**

**CORI**  
ENGINEERS

**H&M**

**Honeywell**

**INTERPIPE**

**KRAIS**  
Kraus & Pape GmbH

**LIFTON**  
Hydraulic Pumps, Valves, and more

**melesi**

Os-Lok®

**PROMAT BD**

**RCM**

**seiris**  
Scherer & Co. AG

**Tenaris**

**BENKAN**

**TK Corporation**

**TUBOS REUNIDOS**  
GROUP

**WELDID**  
KOREA

**WIKAI**

**WILHELM GELDBACH**

**MAASS GLOBAL GROUP**  
WILHELM MAASS GMBH

**OWREN**

**INSET**

**Belman**

**FLV**  
Industrial Valves

**KUKA**  
Karl Schmid & Co. AG

**AF** ALFAFLEX-ITALY  
Industrial Rubber Hoses

**ALFAGOMMA**

**Carperman & Paterson Ltd**  
Industrial Rubber Hoses

# Toraflex Expansion Joints

Toraflex offers a range of high-quality rubber and metal expansion joints designed to absorb thermal expansion and vibration in piping systems. These flexible connectors ensure the longevity and reliability of pipelines, preventing damage and leaks. We offers a comprehensive range of Toraflex Expansion Joints such as Rubber Expansion Joint and Metal Expansion Joint. These find maximum utilization in Marine, HVAC, Power, Process Industry, Water Works and Environmental Services.

## Rubber Expansion Joints

### Key Features:

**Quality Assurance:** Stringent quality control processes, including vulcanized rubber shell tests and traceability of steel materials.

**Expertise:** Over 30 years of R&D experience in manufacturing, along with extensive know-ledge in polymer technology and industrial applications.

**Diverse Rubber Grades:** A wide range of rubber grades to meet various requirements.

**Compliance:** Excluded from the Pressure Equipment Directive (PED) 68/2014/EU under article 1.2(O).

**WRAS Approval:** Certified for drinking water applications in series S10, S15, S20, and S30, with standards up to DN400.

**Self-Sealing Design:** Full turned rubber design that eliminates the need for additional gaskets, preventing electrolytic corrosion.

## Metal Expansion Joints

### Key Features:

**Design:** EJMA 9th Edition

**Nominal Pressure:** S50 PN16 / S25 PN10

**Valve end connections:** S50 – Drilled to EN 1-1092 PN16 (valves DN65 with 4 holes as accepted variant in standard)

**S25** – Butt weld ends

**Marking:** EN 19

**Pressure Tests:** EN 1-12266

Steel parts painted in metal blue color for protection during storage and transport

Product compliance with Directive 68/2014/EU on Pressure Equipment (PED)

**Choose TORAFLEX for reliable, high-performance Rubber & Metal Expansion Joints tailored to your piping needs.**



**S10 Single Sphere Expansion Joints**



**S15 Single Sphere Expansion Joints**



**S20 Double Sphere Expansion Joints**



**S30 Threaded Unions Expansion Joints**



**Toraflex S25**



**Toraflex S50**



### S10 Single Sphere Expansion Joints

DN25-DN1200 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 Marking: EN19 / Pressure Tests: EN12266-1

- Loose flanges for easy assembly
- Precision injection molded of synthetic rubber and nylon.
- 4 different allowable movements: axial compression and expansion, lateral and angular deflection.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency



### S15 Single Sphere Expansion Joint, Single Length

DN25-DN300 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 Marking: EN19 / Pressure Tests: EN12266-1

- Loose flanges for easy assembly
- Precision injection molded of synthetic rubber and nylon.
- 4 different allowable movements: axial compression and expansion, lateral and angular deflection.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency



### S20 Double Sphere Expansion Joints

DN25-DN600 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 Marking: EN19 / Pressure Tests: EN12266-1

- Loose flanges for easy assembly
- Precision injection molded of synthetic rubber and nylon.
- 4 different allowable movements: axial compression and expansion, lateral and angular deflection.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency
- Double sphere design allows greater axial, lateral and angular movements subject to less effort and material wearing down during movements.
- With optional root ring



### S30 Threaded Unions Expansion Joints

DN25-DN1200 / PN10-16 / Threaded to EN10266-1 GAS-Rp-BSPP/ Marking: EN19 / Pressure Tests: EN12266-1

- Light and easy to install
- Precision injection molded of synthetic rubber and nylon.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency
- Double sphere design allows greater axial, lateral and angular movements subject to less effort and material wearing down during movements.
- With root ring as standard.



## Rubber Materials

EPDM, NBR/CR, NBR, PTFE/EPDM, HYPALON, VITON, NEOPRENE

## Applications

**Marine** : Fresh water generators, machine room equipment, marine engines, on deck systems, water cooling lines, lubricating circuits...

**H.V.A.C** : Heating, ventilating and air conditioned, specially absorbing vibrations and noise caused by pulsating pressure stations, cooling towers, condensers, chillers, compressors, rooters...

**Power** : Hydroelectric plants, turbine lines, cooling towers, condensate lines and deaerators...

**Water Works and Environmental Services** : Water treatment plants, pollution filters, strength balance in sewage lines, centrifugal rooters, sludge pumping lines...

**Process Industry** : Slurries, solvents and other chemical compounds...

# Hydrostatic Test Pumps

RICE Hydro, offers a complete line of Hydrostatic Test Pumps with pressure ranges up to 30,000 PSI and flow rates up to 56 GPM. Power (including gas, electric, diesel, and pneumatic) and manual options are available. All units are designed for testing in the water, oil and gas, construction, plant processing industries, and much more. "Built to Suit" special order and custom options are available to fit your specific testing needs.

## Diaphragm Pumps

The DP-series, diaphragm hydrostatic test pumps offer pressure ranges up to 600 PSI, and flow rates up to 56 GPM...



## Electric Pumps

The EL-series is a line of low volume high-pressure hydrostatic test pumps, offering flow rates up to 8 GPM, and pressures up to 1800 PSI...



## High Pressure Pneumatic Pumps

The HP-Series are pneumatically driven hydrostatic test pumps, with pressure ranges of 50 PSI up to 30,000 PSI...



### Triple High Pressure Pumps

The TR-series, is a line of high pressure hydrostatic test pumps, offering flow rates up to 10 GPM, and pressures up to 5000 PSI.



### Manual Operated Pumps

The MTP series is a line of manual or hand-operated Test Pumps with three pressure ranges of 1000 ,500 or 1500 PSI...



### Fire Hose Testers

The FH-series, a line of fire hose testers, and hydrostatic test pumps, offering flow rates up to 26 GPM, and pressures up to 1000 PSI...



### Accessories

Hydrostatic Test Pumps



# Uniflow Valves and Strainers

Uniflow offers a wide range of high-quality valves and strainers, including ball valves, gate valves, globe valves, check valves, and filters. These products are designed to control fluid flow, prevent backflow, and remove contaminants, ensuring optimal performance and reliability in various industrial applications.



Ball Valves



Globe Valves



Gate Valves



Swing Check  
Valves



Y - Strainers

## Tools and Equipments



### Norbar

Norbar is a renowned brand specializing in high-quality torque tools, including torque wrenches and torque multipliers. Their products are used in various industries to ensure precise and accurate tightening of bolts and nuts.



### TECO Tube Expanders

Tube expanders are specialized tools used to expand the end of a tube into a tube sheet or fitting.



### Pipes and Fittings

A comprehensive range of pipes, fittings, and gaskets to meet your piping system requirements.



### Pipeline Products

Pipeline Products are essential components for the construction, maintenance, and repair of pipeline systems. These products include pipe supports, hangers, clamps, and other accessories that ensure the integrity and longevity of pipelines.

- \* **Pipe Hangers & Supports**
- \* **Pipe Cutting and Beveling Machines**
- \* **Expansion Joints:**
- \* **Dismantling Joints:**

# CONTACT US TODAY!

**We understand the importance of reliable partners in today's competitive industrial landscape. Let Inset be your one-stop shop for all your industrial needs.**

## **Reach Out:**

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