



HOLZ
Rubber Company, Inc.

Elastomer Expansion Joints



Protect Yourself

- Elastomeric expansion joints must be installed between two fixed anchor points in a piping system.
- Control unit assemblies are recommended for all applications.
- Store joint with flange down.
- Inspect all hardware when replacing expansion joint.
- Use an elastomeric expansion joint to relieve movements.
- Visit www.holzrubber.com for installation and technical information.
- Do not lift large joints with ropes through the bolt holes.

Elastomeric Expansion Joints

Series 300 & 320

- Application specific design.
- Eccentric and Concentric reducers.
- Design considerations for offset flanges.
- Multiple-Arch design for extreme movements.
- Filled arch available for abrasive and FDA applications.
- Manufactured with a wide range of elastomers such as Butyl, EPDM, Neoprene, Viton, etc.
- FDA-Approved white and off-white rubber compounds.
- Reinforcement options include fabric or polyester tire cord, fiberglass and Kevlar®.
- Flanges built to 125/150 ANSI standard. 300 ANSI flanges available upon request.
- Sizes from 1-1/2" to 108". Special drilling available.



Series 320 M

- Designed for full vacuum.
- Standard face-to-face dimensions in stock 1-1/2" - 72" I.D.
- Stock options include: EPDM tube and cover, Nitrile tube with Neoprene cover or Teflon tube with an EPDM cover.



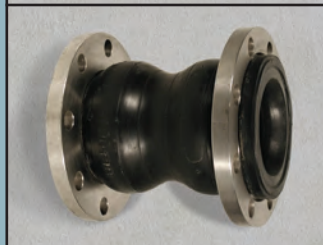
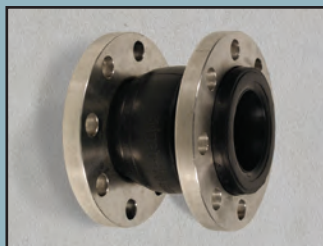
Series 320 EZ

- Low spring rate; ideal for FRP.
- Limited vacuum service.
- Stock options include: EPDM tube and cover or Nitrile tube with a Neoprene cover.
- In stock 1-1/2" to 20".



Series 200 & 3000

- Engineered for high-pressure applications.
- Sizes range from 1-1/2" to 108" with a maximum pressure of 325 PSIG.
- Custom designed for your piping application.
- Manufactured with a wide range of elastomers such as Butyl, EPDM, Neoprene, Viton, etc.
- 3000 Series can be modified for full vacuum.
- 3000 Series cannot be manufactured with more than 2 arches.



Series 215

- Low-pressure applications for less than 25 PSIG and limited vacuum.

Series 980

- Floating flange design.
- Available in Neoprene, Nitrile and EPDM.
- Ideal for HVAC, marine and water line applications.
- In stock 1" to 20".
- Stock options include: Neoprene tube and cover, Nitrile tube and cover and EPDM tube and cover.



All styles listed above conform to U.S. Coast Guard and ASTM F-1123-87

Holz Elastomer Expansion Joint Applications

Our Elastomer Expansion Joints are built to stand up to:

- | | |
|------------------------|----------------------------|
| • Circulating Water | • Sewage Disposal |
| • Turbine to Condensor | • Water Treatment Facility |
| • FGD Systems | • Industrial Buildings |
| • Air Circulation | • FRP Piping |



HOLZ
Rubber Company, Inc.

United States & Canada
Phone: 800-285-1600
Outside Of United States
Phone: 209-368-7171
www.holzrubber.com

VD Series 1000 and 2000

- Design pressure 150 PSIG or 250 PSIG.
- Flange drilling 125 ANSI on the Series 1000 and 300 ANSI on the Series 2000.
- Rated for full vacuum.
- Inventory item: 1-1/2" to 20".



PTFE 800 Series

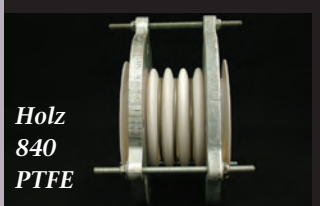
- Designed and built to be used in the most extreme applications.
- May be used where metallic joints, lap joints or PTFE and FEP-lined may have been previously specified or used.
- Delivered with ductile iron flanges and control units ready for immediate installation in the field.
- Other alloys are available by special order.
- All flanges are protected to resist atmosphere corrosion and tapped to the ANSI standard drilling of 150 lbs.



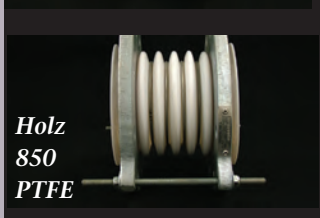
Holz
820
PTFE



Holz
830
PTFE



Holz
840
PTFE



Holz
850
PTFE

Sleeve Type



Food Service FDA approved expansion joints available.

Available Elastomers

- EPDM
- Neoprene
- Butyl
- Nitrile
- Gum Rubber
- Viton
- FDA-Approved Compounds
- NDF-61 EPDM



The Expansion Joint Experts

Holz provides application-matched expansion joints for a wide range of industries and uses. Whether it is an elastomeric, fabric or metal expansion joint, Holz has engineered products and application expertise to solve your specific issue or problem.

Holz Rubber is the leading supplier of elastomeric, fabric and metal expansion joints serving the power generation, refining, cement, pulp and paper, waste water and all other heavy industrial applications.

Types of Movement

Axial Compression

The dimensional shortening of the flange-to-flange gap of the bellows parallel to its centerline.

Axial Extension

The dimensional lengthening of the flange-to-flange gap of the bellows parallel to its centerline.

Lateral (*shear*)

Motion that occurs perpendicular to its centerline.

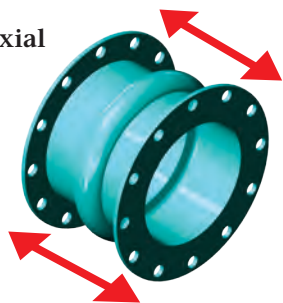
Torsion

The twisting of one end of the expansion joint with respect to the other end about its centerline.

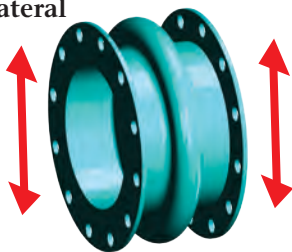
Angular

The bending of a bellows along its centerline.

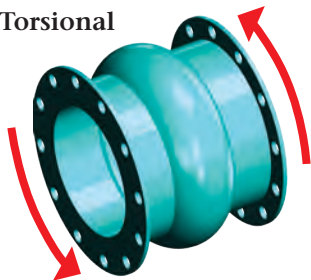
Axial



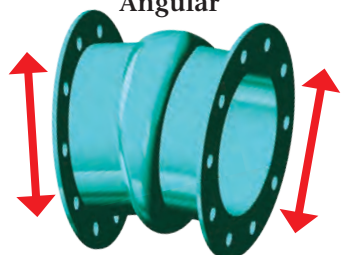
Lateral



Torsional



Angular





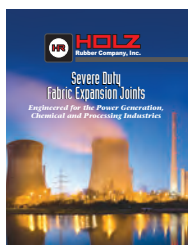
HOLZ
Rubber Company, Inc.

Holz Rubber offers a complete line of expansion joints including elastomeric, high-temperature fabric and metallic expansion joints.

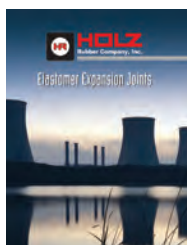


- Coal Fired Power Plants
- Bio Mass
- Hydro Electric
- Cement Kilns
- Food Processing
- Gas Fired Power Plants
- Environmental Systems
- Water Treatment
- Refineries
- HVAC
- FRP Piping
- Nuclear

Holz – For All Your Expansion Joint Needs



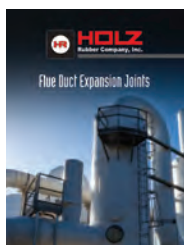
Fabric



Elastomer



Metal



Flue Duct



HOLZ
Rubber Company, Inc.

1129 S. Sacramento Street
Lodi, California 95240
United States and Canada

Phone: 800-285-1600 • Fax: 800-756-9998

Outside Of United States

Phone: 209-368-7171 • Fax: 209-368-3246

www.holzrubber.com

