



ThermaGlide™ anti-vibration pipe shoes (CL-8 series)

Vibration control for insulated piping

Overly constraining a piping system against thermal growth can result in a plethora of problems, including high static pipe stress, excessive equipment nozzle and structure loads, low-cycle fatigue of vessels, machinery casing distortion and long-term reliability issues.

Piping systems simply need to accommodate pipe thermal expansion and contraction.

But piping in vibratory service needs to be constrained to prevent excessive vibration, i.e. pipe supports need to provide the pipe with high stiffness.

Wood's ThermaGlide™ anti-vibration pipe supports are designed to balance these two seemingly conflicting requirements.

They provide the stiffness to resist dynamic loads for superior vibration control, while the ThermaGlide™ sliding technology accommodates the thermal growth of your piping.

Wood's engineered anti-vibration pipe shoes provide consistent and predictable performance, meaning your piping will expand and contract as designed, ensuring higher reliability and more uptime.

Vibration control solutions for piping and machine systems

ThermaGlide™ anti-vibration pipe shoe

- Patent-pending hardware allowing axial and lateral pipe movement due to thermal expansion
- Superior vibration control
- Ideal for insulated piping

Related solutions:

- Anti-vibration clamps (DamperX and ThermaGlide)
- DamperX brace
- DamperX fins for small-bore attachments
- DamperX cylinder supports
- Vibration absorbers
- Custom designs and engineering solutions

Contact us for more information or to order:

+1 281 920 4441

products.vdn@woodplc.com

woodplc.com/vdn

Benefits

- Increased reliability through avoidance of stress and fatigue failures
- Consistent performance; less maintenance
- Wider operating range allows for optimised production

Advantages

- Superior vibration control
- Up to 90% lower vibration compared to conventional resting pipe shoes
- Designed to permit axial and lateral pipe movement due to thermal expansion
- Easy and fast installation
- Expert support and custom solutions available

Specifications

- Models: CL-8-T, CL-8-T-W, CL-8-ST and CL-8-ST-W
- Sizes: from NPS 1" (DN25) to NPS 24" (DN 600)

Includes:

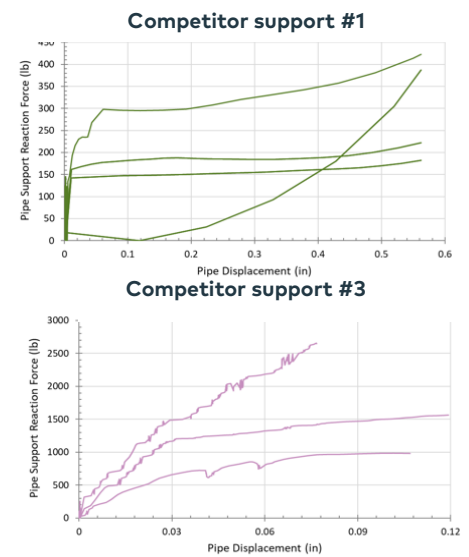
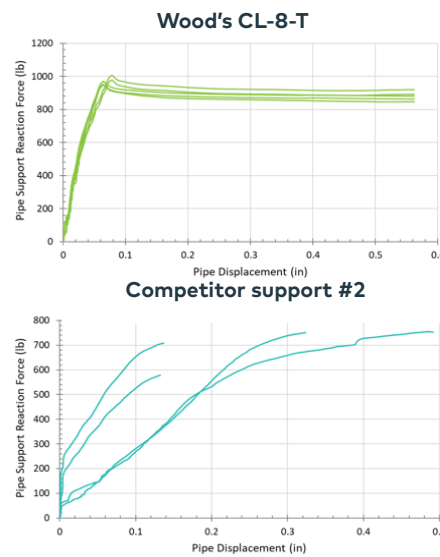
- Bolts, washers and nuts
- Installation guide

Contact us for more information or to order:

+1 281 920 4441

products.vdn@woodplc.com

woodplc.com/vdn



Force vs displacement of various pipe supports going through thermal cycles

Lab test results

Wood's anti-vibration pipe shoe (CL-8-T, top left) provides consistent, repeatable stiffness and sliding every time.

Testing of three common competitor supports shows inconsistent stiffness and breakaway friction forces during each cycle.

Consistent performance

Our ThermaGlide™ technology ensures consistent and repeatable performance through multiple thermal cycles so the stiffness and sliding force remain unchanged for cycle 1 and cycle 1,000.

This consistency means your piping will grow and shrink as designed every time; protecting your system against excessive thermal loads and high stress.

ThermaGlide™ technology

ThermaGlide's sliding ability (patent pending) allows pipe migration under thermal loads to relieve high static stresses, while at the same time preventing movement under dynamic shaking forces.

This unique combination of characteristics gives piping designers new tools to create superior piping system designs with low static stresses and robust vibration control.

Which support is right for my application?

Watch our webinar [Shake, rattle and grow – part I](#) to learn how to select the right clamp for the right job.

Our team of specialists is also available for questions, application support or custom engineering solutions.