



# TIGHTENING COMPENSATION SYSTEMS

## LATTY LIVE LOADING SYSTEM

DESIGNER OF INDUSTRIAL SEALING SOLUTIONS



# LATTY LLS : LIVE LOADING SYSTEM

**A custom made to measure system providing continuous controlled tightening pressure: a guarantee of safety and reliability.**

LATTY LLS clamping compensation systems are designed to **maintain a constant seating force on the packing rings**, compensating for packing wear and variations in operating conditions.

LATTY LLS thus ensures **optimal sealing performance under all conditions**. Thanks to their application-specific design, these customized systems enhance the reliability of stuffing boxes, **reduce maintenance costs, and improve safety and operational efficiency**. Designed and manufactured in-house, these systems are available as ready-to-use solutions, requiring no special tools or prior training.

**With a 100% guarantee of compliance with braid tightening requirements**, LATTY tightening compensation systems are suitable for all types of applications, including valves and slow rotary systems operating below 1.5 m/s. By ensuring proper retightening of stuffing boxes, these solutions **help reduce maintenance operations while maintaining high standards of performance and reliability**.

**LATTY LLS systems are the ideal solution for safer, more efficient, and cost-effective industrial operations.**

## ADVANTAGES

### TECHNICAL

- Custom-designed to meet specific requirements.
- Packing coefficient of friction is precisely controlled.
- Maintains stress control throughout its service life.
- Prevents overtightening with a visual indicator, extending braid life and protecting equipment.

### SAFETY

- Enhances safety by preventing leaks of hazardous fluids.
- Ideal for stuffing boxes that are difficult to access.

### ECONOMY AND ECOLOGY

- Reduces product consumption.
- Optimizes leak rate and extends braid life through service lubrication.
- Saves water in systems equipped with lantern rings.
- Increases maintenance intervals.
- Controls fugitive emissions.
- Requires no special tools for installation.
- Control of equipment maneuverability

Description	Composition
LATTY LLS FREE	Visual tightening indicator <b>Free disassembly</b>
LATTY LLS SAFE	Visual tightening indicator <b>Safe disassembly</b>

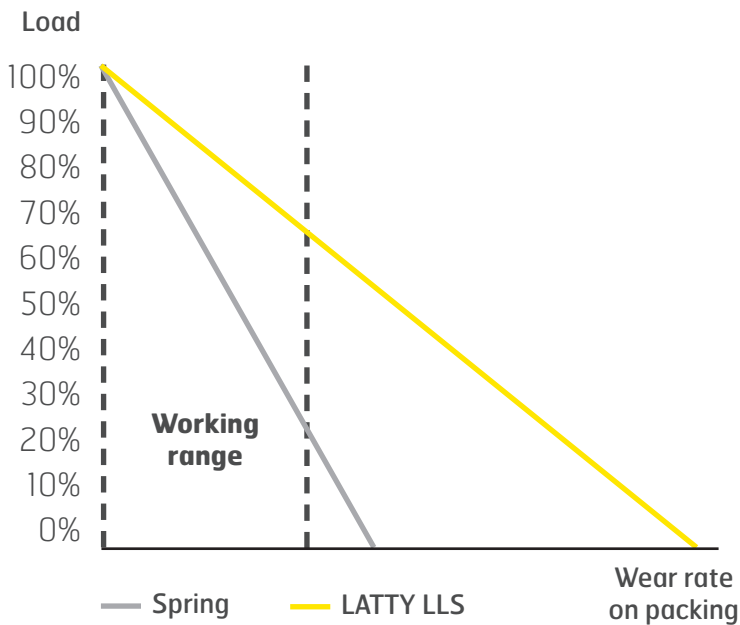


LATTY LLS FREE

LATTY LLS SAFE



## LATTY LLS : LIVE LOADING SYSTEM LOAD/PACKING WEAR CONTROLLED RATIO

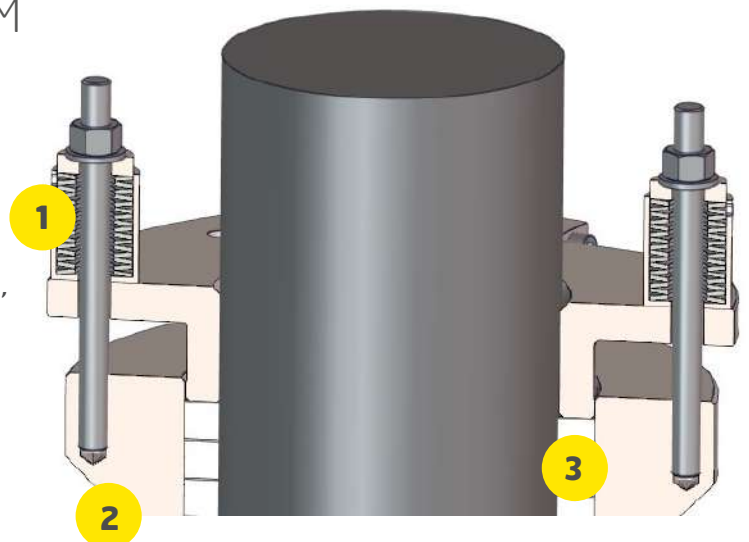


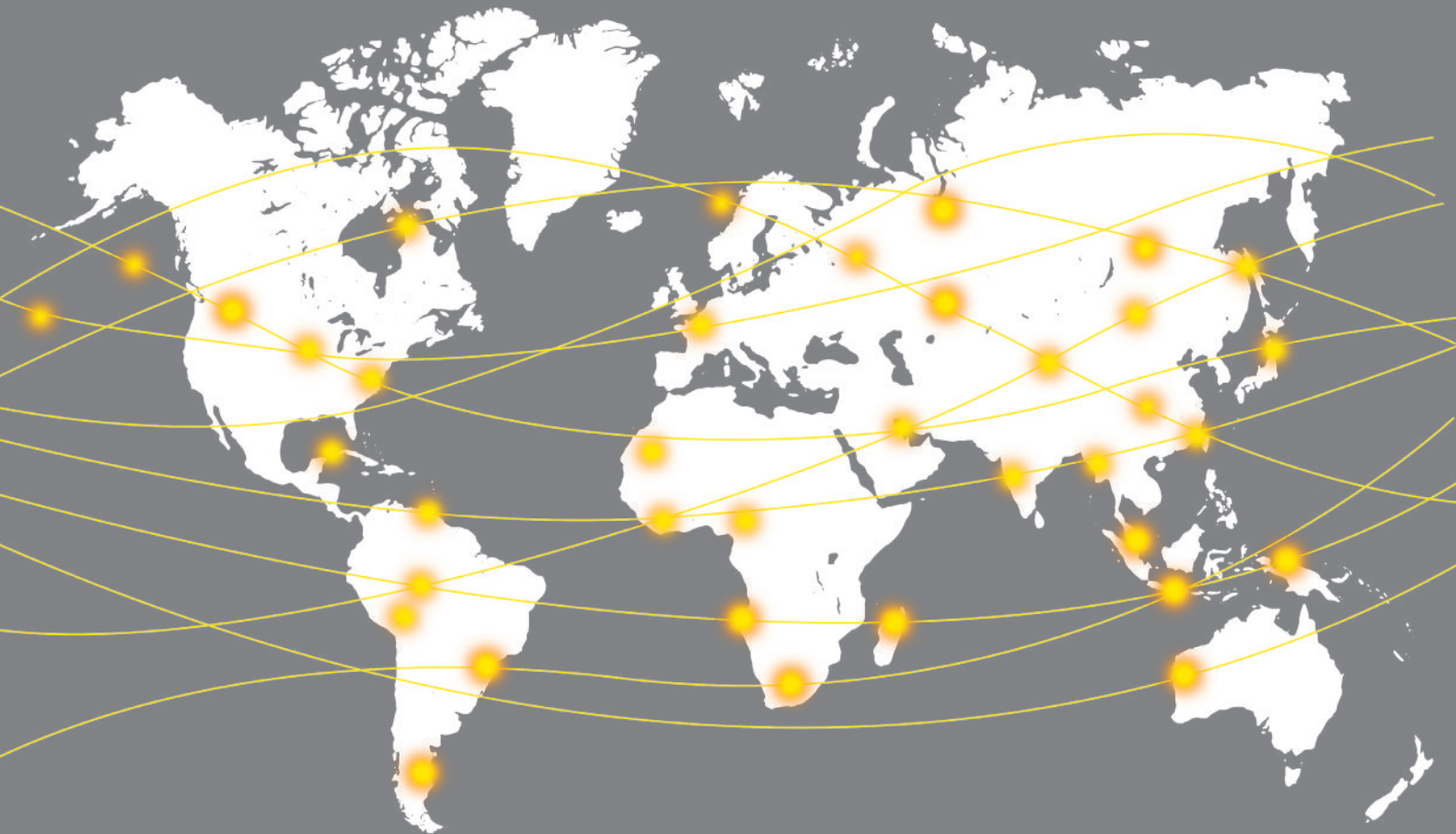
Both conventional springs and LATTY solutions exhibit linear deflection, meaning **their force decreases steadily as the packing wears**.

However, unlike conventional springs, our LATTY LLS solutions experience a much slower rate of force decay. **This minimizes the need for adjustments or replacements, resulting in significant time and cost savings while ensuring more stable and durable performance.**

## LATTY LLS : LIVE LOADING SYSTEM INSTALLATION

- 1** LATTY LLS : Live Loading System
- 2** Equipment: valves, slow-speed rotary machines, PECODY...
- 3** Ready-to-use LATTY packing





The subsidiaries and service centres of the GROUPE LATTY are at your disposal throughout the world to meet your requirements. Find all our contact details on our website.



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