

## PORTABLE TRACK LOADING FIXTURE

The power of accurate gage restraint measurement in a portable tool

**The Portable Track Loading Fixture (PTLF) is a portable, manually operated track inspection tool designed to test the lateral strength of railroad cross ties and fastening systems.**

Originally developed as a data quality inspection tool for the Federal Railroad Administration's (FRA) Gage Restraint Measurement System (GRMS), the PTLF simulates the loading condition of the GRMS, providing objective, accurate strength data that correlates directly with the full-size GRMS testing system. It meets new FRA gage strength alternate safety standards. Having an PTLF is like carrying the power of the GRMS on your shoulder.

### A Self-Check for Your Corrective Actions

The PTLF applies a 4,000-lb. lateral load to the web of the rail using a manual hydraulic pump and cylinder. This provides the rail with the lateral force necessary to measure the change in gage under load. When corrective actions are taken as a result of an inspection, the PTLF can be used to verify the effectiveness of repair. The highly loaded components are made of stainless steel for durability, and the insulated design will not shunt track signals.

### The PTLF is the Perfect Tool for:

- Detecting potential track safety hazards due to weak cross ties and fasteners
- Inspecting the quality of track maintenance
- Monitoring track degradation



### Key Features:

- Portable—only 23 lbs.
- Quick and easy to use
- Tests can be completed in less than one minute
- Instructions on each unit
- 4,000 lb. test load
- Padded shoulder strap makes it easy to carry
- Based on an FRA design, but lighter and easier to use
- Referenced in new FRA Track Safety Standards, along with GRMS
- Collapsible design for easy carrying and storage
- Durable, stainless steel construction ensures a long service life
- Insulated design will not shunt track signals
- Compatible with any gage measurement tool, including DigitalTrack Notebook™ products



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Innovation Starts Here

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