

DATASHEET

# PROTECTOR® Slimline (SL) Systems

Trackside friction management systems for narrow installation sites

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Trackside friction management systems for narrow installation sites

L.B. Foster's broad portfolio of state-of-the-art electric **PROTECTOR®** systems is the industry standard, with decades of proven in-field performance and reliability. For narrow or otherwise depth limited installation sites, L.B. Foster offers their compact **Slimline (SL)** series of systems, including the **PROTECTOR X SL90** and **PROTECTOR IV SL300**.

These systems allow for optimized trackside friction management (FM) system placement even when dealing with:

- > Tunnels
- > Walkways
- > Space constraints common in transit and urban railway environments

All L.B. Foster trackside systems can be equipped with our **Remote Performance Monitoring (RPM)** platform, allowing railroad owners and system maintainers to remotely manage their assets and gain insight into their operation. This technology helps to maximize uptime and minimize the operating costs and track time associated with maintaining an FM program.



PROTECTOR X SL90

## A compact trackside friction management system customizable for your site

### All PROTECTOR SL Systems are:

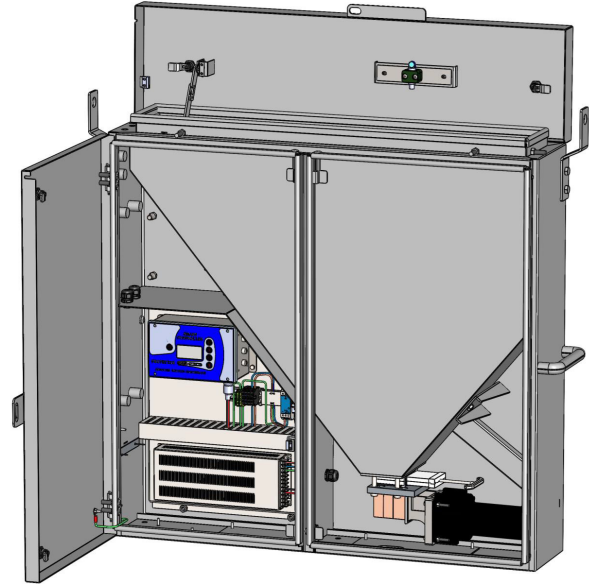
- > Available in both Top of Rail (TOR) friction management and Gauge Face (GF) lubrication versions
- > Designed with steep-walled reservoirs that maximize liquid consumable usage between fills
- > Available in solar and AC system options
- > Can be wall, ground, or pedestal mounted depending on site needs
- > Compatible with L.B. Foster's industry-leading control systems, applicator bars, and consumables

### Benefits of a properly implemented FM program include:

- > Extend rail and wheel life
- > Control squeal and flanging noise
- > Reduce rail defects and corrugation
- > Reduce grinding and milling costs
- > Improve fuel economy and associated reductions in greenhouse gas (GHG) emissions
- > Reduce derailment potential (wheel climb)
- > Reduce lateral forces
- > Improve ride quality and vehicle steering

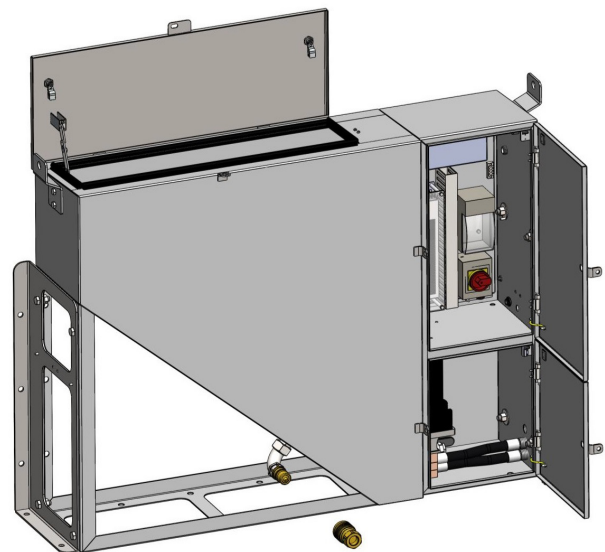
## PROTECTOR X SL90

- > 90 L (24 USG) nominal tank capacity
- > 1.22 m x 1.11 m x 0.28 m WxHxD (48" x 44" x 11")
- > Tank outlet gate valve allows for easy pump maintenance
- > TOR and GF compatible
- > Available in DC solar, AC with battery back-up, and AC batteryless power systems



## PROTECTOR IV SL300

- > 300 L (79 USG) nominal tank capacity
- > 1.66 m x 1.22 m x 0.40 m WxHxD (66" x 48" x 16")
- > Tank capable of being bottom filled using L.B. Foster's bulk fill system
- > Tank outlet gate valve allows for easy pump maintenance
- > TOR and GF compatible
- > Available in DC solar, AC with battery back-up, and AC batteryless power systems



## Applicator Bars and Wheel Sensors

- > All PROTECTOR SL system are compatible with L.B. Foster's entire portfolio of applicator bars and Smart Wheel Sensors
- > For Gauge Face Lubrication, L.B. Foster's MC-5 (short) and MC-4XL™ (long) applicator bars with GreaseGuides™ offer unparalleled in-field performance
- > For Top of Rail Friction Management, L.B. Foster's TOR Foam Bar ensures efficient product placement to the wheel tread / top of rail interface.



L.B. Foster MC-5 GF Applicator Bar with SYNCURVE™ Transit Ultra High-Performance Rail Curve Grease



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L.B. Foster's Friction Management products are backed by market-leading experience in wheel / rail interface issues. Our team of professionals can provide the service and technical expertise necessary to achieve the optimum performance of your equipment throughout its life cycle.

**For customer service, contact the appropriate office listed above.**

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