

TWIN-SPACER ROBOTIC INSTALLATIONS

Spacer LineSpider™ + Spacer LineFly™

The Spacer LineSpider™ and LineFly™ robotic systems transform how twin spacers are installed on bundled conductors, delivering safer, faster, and more precise installations while significantly reducing risk for lineworkers.

Offered as a service in partnership with FulcrumAir, these advanced unmanned systems automatically install PLP's CUSHION-GRIP® Twin Spacers at exact pre-set intervals within a 15 cm tolerance. Each spacer is positioned at the optimal angle and torqued to exact utility or PLP specifications, ensuring consistent, repeatable performance across every installation.

At the same time, the system captures and logs critical quality data, including torque values and precise spacer locations, providing utilities with a complete digital record to support inspection, maintenance, and long-term asset management.

IMPROVED WORKPLACE SAFETY

- Reduces lineworker exposure to safety hazards
- Eliminates the need for conductor carts

INCREASED PROJECT EFFICIENCY

- Dramatically decreases installation time
- Multiple robots deployed from one set-up location
- Installs spacers along multiple spans in minutes

PRECISION PRODUCT INSTALLATIONS

- Installs spacers at precise right angles, ensuring optimal performance
- Accurately torques bolt to exact specifications
- Automatically logs placement data for future inspection/maintenance needs

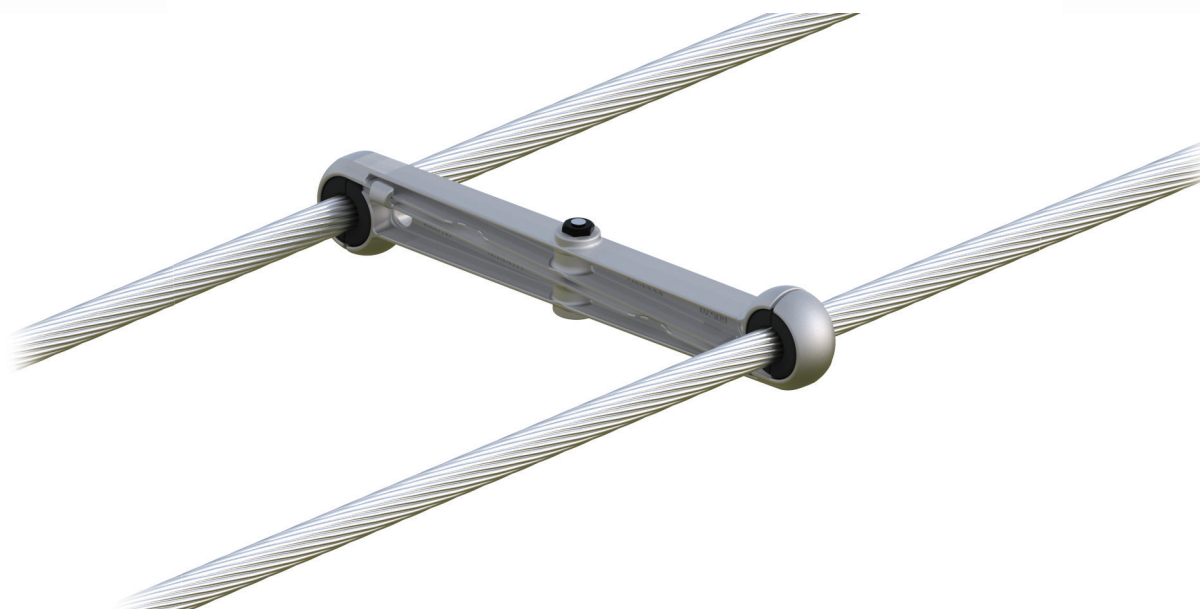


CUSHION-GRIP® TWIN SPACERS

The industry's leading twin-conductor spacer is now the first to offer full-scale robotic installations.

PLP's field-proven and industry-leading CUSHION-GRIP Twin Spacer features durable elastomer cushions that firmly secure twin-bundle conductors while also protecting against bending stresses caused by sub-conductor oscillation and aeolian vibration.

- Made from high-strength, corrosion-resistant aluminum alloy
- Durable elastomer cushions protect conductors
- Designed for up to 125°C continuous operating temperatures (150°C two-hour emergency)
- High-temperature version available for operation up to 250°C
- Laboratory-tested against both mechanical and electrical requirements of IEC Specification 61854



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