

# Power Line Markers

## & Low Line Markers

### Mark any line. Anywhere.

For over sixty years, SpanGuard power line markers have been saving lives and protecting valuable power lines by making them visible to low flying aircraft.

Through the decades, P&R Tech has developed new marker technology for today's high voltage and high temperature lines, hazardous low lines, and catenary lines where lighted markers are advised by the FAA.

Talk to us about your application. We can help match the right markers with the job, provide the necessary quote, coordinate with your project schedule, and as needed, arrange helicopter installation.

**P&R**TECH  
*making life visibly safer*

800-722-8078  
www.pr-tech.com



**SpanGuard™ ABS  
Standard Marker**

- Used on shield wires, OPGW, and energized lines up to 115 kV
- Routinely installed by helicopter
- Spiral wire preforms for secure attachment
- Durable K-10 ABS with superior color retention
- Available in international orange, yellow, or white
- 9", 20", 24", 36" diameters



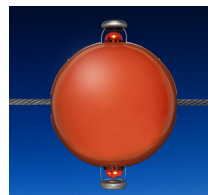
**SpanGuard™ EHV  
High Voltage Marker**

- Same as ABS marker but incorporates a special coating and other design features to mitigate degradation from high voltage corona effects
- Offered in two sizes: 24" for lines up to 230 kV, or 36" up to 345 kV



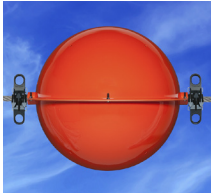
**SpanGuard™ AL  
Aluminum Marker**

- Made of highly conductive, lightweight aluminum
- Used on high corona and/or high temperature ACSS/ACCR lines up to 250° C (482° F) and 500 kV
- Spiral wire preforms for secure attachment
- Available in international orange, yellow, or white
- 12", 24", 30", 36" diameters



**SpanLite™  
Self-Illuminated Marker**

- Meets FAA Advisory 70/7460-IL and ICAO catenary lighting standards at all hours
- Used anywhere a lighted marker is needed (lines up to 500 kV)
- Captures electrical field generated by line to drive two steady red 810 LED obstruction lights at 32.5 candela each (line must carry 40–2,000 Amps)
- Aluminum marker available in international orange, yellow, or white
- 12", 24", 36" diameters

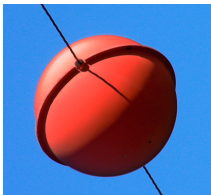


**FastBall™**  
**Quick Install Marker**



**QuikMark™ MB**  
**Quick Install Marker**

- Fast installation on live lines up to 100 kV (QuikMark MB can be installed by hot stick)
- Fits nearly any diameter line or bundled lines
- Safe for OPGW lines
- Can be stocked by utilities and distributors
- 9" (QuikMark MB only), 20", 24" diameters



**Redball™**  
**Low Cost Marker**

- Economical 9" and 20" acrylic markers
- Attaches to conductor with rubber grips
- Satisfies FAA requirements
- Can upgrade at time of order for higher voltages, spiral wire preforms, and ABS material



**CrossOver™**  
**Marking System**

This systematic sequence of SpanGuard markers warns low flying pilots and drone operators, particularly those conducting line inspections, that higher power lines are coming up that will cross their flight path.



**MetMarkers™**  
**Guy Line Markers**

Uses our durable and effective SpanGuard markers to make hard-to-see guy lines visible to pilots and birds. Suitable for met towers, smaller radio towers, wind turbine installations, and similar obstructions.



**SpanGuard markers are routinely installed by helicopter**



**SpanBrite™ Option**

Optional with all P&R Tech power line markers, SpanBrite reflective tape greatly improves marker visibility at night for helicopters and small planes.

**Low Line Markers**



**QuikMark™**  
**Low Line Marker**

- Ideal for construction sites, industrial plants, marinas, or anywhere machinery can strike low hanging distribution lines
- 10" diameter orange disk (optional yellow reflector)
- Choose crossline or inline orientation
- Includes patented SnapFast® clamp for quick installation by hand or hot stick



**SpanMark™**  
**Low Line Warning Flags**

- Low cost solution for marking low hanging live lines
- Choose orange, yellow, or red
- Text, symbol, and reflector options (visit website)
- Includes patented SnapFast® clamp for quick installation by hand or hot stick



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