

PSC SAFEGUIDER[®] HIGH-VIZ ANTI-TANGLE TAGLINE

PSC-WEB-TLD Series

Fluorescent High-Visibility Anti-Tangle Tagline for Engineered Suspended Load Control

Designed to maintain predictable rope behaviour and full-length visual tracking throughout every industrial crane lift.



PRODUCT OVERVIEW

The PSC SafeGuider High-Viz Anti-Tangle Tagline is an engineered suspended load control system developed for industrial crane and rigging operations. It addresses the three performance gaps that cause standard ropes to fail in demanding lifting environments: poor visibility, unpredictable rope behaviour, and degradation under industrial stress.

In field use for over a decade across steel plants, refineries, oil and gas sites, fabrication yards, offshore platforms, and construction environments — wherever taglines are used and operator hand exposure must be reduced by design, not just awareness.

Available in 10 ft, 15 ft, 20 ft, 25 ft, 30 ft, 35 ft, 40 ft and 45 ft lengths.

WHY THIS TOOL MATTERS — THE HAZARD CONTEXT

THE HAZARD

- Standard ropes disappear visually against steel structures and pipe racks — operators, signalers, and crane drivers lose track of the line mid-lift.
- Ropes that coil, kink, and tangle change line direction and tension without warning — forcing operators to step closer to clear or reposition.
- Rope tangling during an active lift forces a choice between stopping the lift or continuing with a compromised line — neither is acceptable.
- After the load is set, workers step under or near the load to recover the tagline — the most frequently violated no-go zone in crane operations.

THE CONTROLLED APPROACH

- Full-length fluorescent high-viz coating maintains visual tracking by all members of the lift team throughout the complete lift cycle.
- Anti-tangle design keeps the line on a predictable path — the operator stays at working distance without needing to step in to clear the rope.
- Shape retention means the tagline performs consistently from the first to the last lift of the day — not just when new or in ideal conditions.
- Designed for use with the PSC TRT-3P Tagline Retrieval Tool — tagline recovery from outside the hazard zone eliminates the retrieval exposure risk.

KEY FEATURES & FUNCTIONAL DESCRIPTION

Full-Length High-Viz Fluorescent Coating	Fluorescent coating runs the full length of the tagline — not a strip or marker. Maintains visual tracking in steel fabrication yards, dense pipe racks, offshore decks, and low-light or spray environments where standard ropes become invisible at working distances.
Anti-Tangle Design	Surface profile engineered to prevent snagging — no braiding ridges or texture features that catch on hardware or steel edges. Resists the spontaneous knotting and coiling that occurs with conventional ropes under repeated lift cycles and rope memory buildup.
Shape Retention	Structural form is maintained under working conditions — the line does not collapse, coil, or distort between lifts. Consistent cross-section and handling characteristics are maintained across repeated use, not just when new. Predictability reduces operator decision load and error risk.
Chemical & UV Resistance	Resists oils, greases, hydraulic fluids, and common industrial chemicals without structural degradation. Extended UV exposure does not degrade performance — critical for continuously deployed equipment on offshore platforms and outdoor fabrication yards.
Reliable Wet-Condition Grip	Maintains grip performance in wet, oily, and contaminated conditions — precisely the conditions where standard fibre ropes become uncontrollably slippery. Control is maintained when conditions are at their worst.
Low Maintenance	No specialist maintenance or storage conditions required. Upkeep: wipe down after use, wash if required, hang dry, inspect and deploy. Designed for continuous industrial use — not careful handling.
Compatible with PSC TRT-3P Retrieval Tool	Engineered for use with the PSC TRT-3P Tagline Retrieval Tool — enabling tagline recovery from outside the hazard zone after the load is set. Covers the full operator exposure window: active lift phase and retrieval phase.

APPLICATIONS | TECHNICAL SPECIFICATIONS

CRANE & RIGGING OPERATIONS

- All suspended load tagline control during crane picks, guiding, and landing.
- Multi-crane and complex lift environments where visual line tracking is critical.
- High-cycle crane operations in heavy fabrication and industrial sites.

HARSH INDUSTRIAL ENVIRONMENTS

- Refineries and process plants with hydrocarbon contamination and dense pipe racks.
- Offshore platforms with salt spray, UV exposure, and low-light deck conditions.
- Steel fabrication yards with overhead crane movements and low-contrast backgrounds.

CONSTRUCTION & MARINE

- Construction sites with dust, concrete, and high-traffic crane zones.
- Shipyards and marine construction where deck conditions degrade standard ropes.
- Oil and gas sites with chemical exposure and demanding lift schedules.

TECHNICAL SPECIFICATIONS

Visibility	Full-length fluorescent high-viz coating
Anti-Tangle	Engineered surface profile, no raised snagging surfaces
Shape Retention	Consistent cross-section under repeated use cycles
Chemical Resistance	Oils, greases, hydraulic fluids, industrial chemicals
UV Resistance	Extended outdoor exposure rated
Wet Grip	Maintains grip in wet, oily and contaminated conditions
Maintenance	Wipe, wash, dry, inspect
Available Lengths	10 ft, 15 ft, 20 ft, 25 ft, 30 ft, 35 ft, 40 ft, 45 ft
Companion Tool	PSC TRT-3P Tagline Retrieval Tool
Field Use	Over a decade of industrial deployment

PART NUMBERS

PSC-WEB-TLD-110	PSC-WEB-TLD-115
PSC-WEB-TLD-120	PSC-WEB-TLD-125
PSC-WEB-TLD-130	PSC-WEB-TLD-135
PSC-WEB-TLD-140	PSC-WEB-TLD-145

INDUSTRIES SERVED | SAFETY GUIDELINES

INDUSTRIES SERVED

- Steel plants and metal fabrication facilities
- Refineries and petrochemical process plants
- Oil and gas production sites — onshore and offshore
- Offshore drilling rigs and production platforms
- Construction sites and structural steel erection
- Fabrication yards, shipyards and marine construction
- Heavy industrial maintenance and shutdown operations

SAFETY GUIDELINES

Hands-Free principle: Never touch or steady a suspended load directly — the SafeGuider tagline is the designated control interface.

Keep the tagline taut: A slack tagline provides no load control and no visibility of line path. Maintain controlled tension throughout the lift.

Inspect before every lift: Check full length for cuts, abrasion, coating damage, or structural deformation. Remove from service if defects are found.

Use with TRT-3P for retrieval: Do not enter the hazard zone to recover the tagline. Use the PSC TRT-3P Tagline Retrieval Tool from outside the zone.

Do not wrap around body: Never loop or wrap the tagline around hands, wrists, or any body part at any stage of the lift.

Maintenance: Wipe down after each use. Wash if contaminated. Hang dry. Inspect before next deployment.

A tagline in good condition, with clear visibility, is a powerful safety tool.

The PSC SafeGuider gives it every engineering advantage available — full-length high-viz coating, anti-tangle construction, shape retention, and chemical resistance — delivering consistent, predictable performance on every lift, in every operating environment.