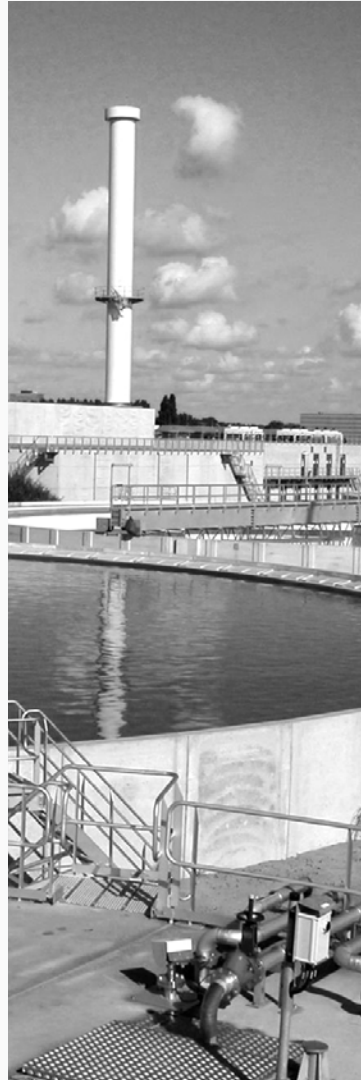


ENVIROSHIELD® Sealed Self Retracting Devices

4102 Series*



Unprecedented PROTECTION. Unrivaled PERFORMANCE.

*Patents Pending

www.relsafe.com



Self-Retracting Lanyards are increasingly the preferred devices for making fall arrest connections. For years the prevailing trend has been to make these devices lighter and cheaper. At Reliance, we have observed and listened to our customers, and **our decision has been to make them better.**

The EnviroShield® design began with a white piece of paper and was engineered to provide **unmatched protection in extreme environments.** We began by selecting the best materials that would yield **the most durable, long lasting product available.** We then selected **the most effective and efficient manufacturing methods** to ensure that we could make **the highest level of protection AFFORDABLE.**

The end-result is a product that **performs better and lasts longer** with **lower acquisition costs** and **lower long-term cost of ownership.**

The Reliance EnviroShield® was specifically designed for applications such as :

- *Prolonged exposure to the elements*
- *Oil & Gas*
- *Marine and Maritime Environments*
- *Offshore & Wind Energy*
- *Utilities*
- *Waste Water Treatment Facilities*
- *Food Processing Operations*
- *Mining Operations*
- *Any environment where severe, prolonged exposure to the elements can result in performance issues with mechanical equipment*



Reliance EnviroShield®
The Perfect Solution for :

- Fixed Ladders
- Platform Access
- Vertical Ingress & Egress
- Rigid Rail Fall Arrest Systems

Reliance EnviroShield®. Built to Last.

Exceeding ALL Standard & Regulatory Requirements

100% Stainless Steel & Military-Grade Anodized Aluminum Construction with NO Structural Castings



1. Durable Stainless Steel Anchorage Connection
2. Stainless Steel Bulkhead Plates form the Front & Rear Face and separate the three internal chambers
3. Sealed Power Spring & Clutch Chambers achieve IP69K Rating, surpassing the less stringent IP68 requirements
4. Features the Reliance Fail-Safe Locking Mechanism for positive locking performance EVERY time. The ULTIMATE in Anti-Ratcheting design.
5. Durable Extruded Aluminum Housing eliminates the porosity common in castings and greatly reduces machining costs
6. Built-in Carry Handle with Comfort Grips
7. Stainless Steel Formed Drum Assembly for increased strength & durability
8. Billet Aluminum Hub protects Sealed Clutch Chamber
9. Sacrificial Zinc Anodes eliminate galvanic corrosion
10. Ergonomic Cable Grip
11. Stainless Steel Load-Indicating Carabiner & Stainless Steel Wire Rope STANDARD (not optional)

NO Half-Measures.

NO Shortcuts.

- Rugged Stainless Steel & Aluminum Construction
- Stainless Steel Wire Rope & Load-Indicating Carabiner STANDARD
- Mechanically Activated Fail-Safe Locking Mechanism & Superior Rotary Brake Assembly for MAXIMUM Fall Arrest Performance
- Texture-Rolled Carbon Steel Power Springs Translate to Longer Overall Life and Higher Duty Cycles

Ingress Protection Explained.

Under the International Electrotechnical Commission **IEC 60529 standard**, Ingress protection is evaluated to determine the degree of protection provided against the intrusion of dust and water into mechanical casings and electrical enclosures.

To achieve a **Rating of IP69K**, which is the highest possible rating, an assembly must be dust-tight, allowing absolutely no ingress of dust, and must also prevent the intrusion of powerful, high-temperature water jets.

Reliance EnviroShield® not only meets these requirements, but also withstands an unprecedented 1,000 hour salt-spray.

Specifications

*Patents Pending

Industry Standards

- Meets or exceeds the requirements of Title 29 CFR, Subparts I & M
- ANSI/ASSE Z359.14, Class B
- IEC 60529 - IP69K

Performance Specifications

Maximum Arrest Force	≤ 1,800 lbs
Average Arrest Force	≤ 900 lbs
Arrest Distance	< 36"
Capacity	400 lbs

Material Specifications

Housing	Anodized Aluminum
Bulkhead Plates	Stainless Steel
Drum	Stainless Steel
Constituent Line	Wire Rope, Stainless, 3/16", 7x19
Attachment-End Connector	Load-Indicating, Stainless Steel
Locking Mechanism	Mechanically Activated
Energy Management System	Rotary Brake



Reliance EnviroShield® Self Retracting Lanyards

Part Number	Working Length	Cable Type	Connector Type	Availability
4102050-1	50'	Stainless	Stainless, Load-Indicating	May, 2018
4102085-1	85'	Stainless	Stainless, Load-Indicating	May, 2018
4102100-1	100'	Stainless	Stainless, Load-Indicating	January, 2018
4102130-1	130'	Stainless	Stainless, Load-Indicating	January, 2018
4102175-1	175'	Stainless	Stainless, Load-Indicating	August, 2018