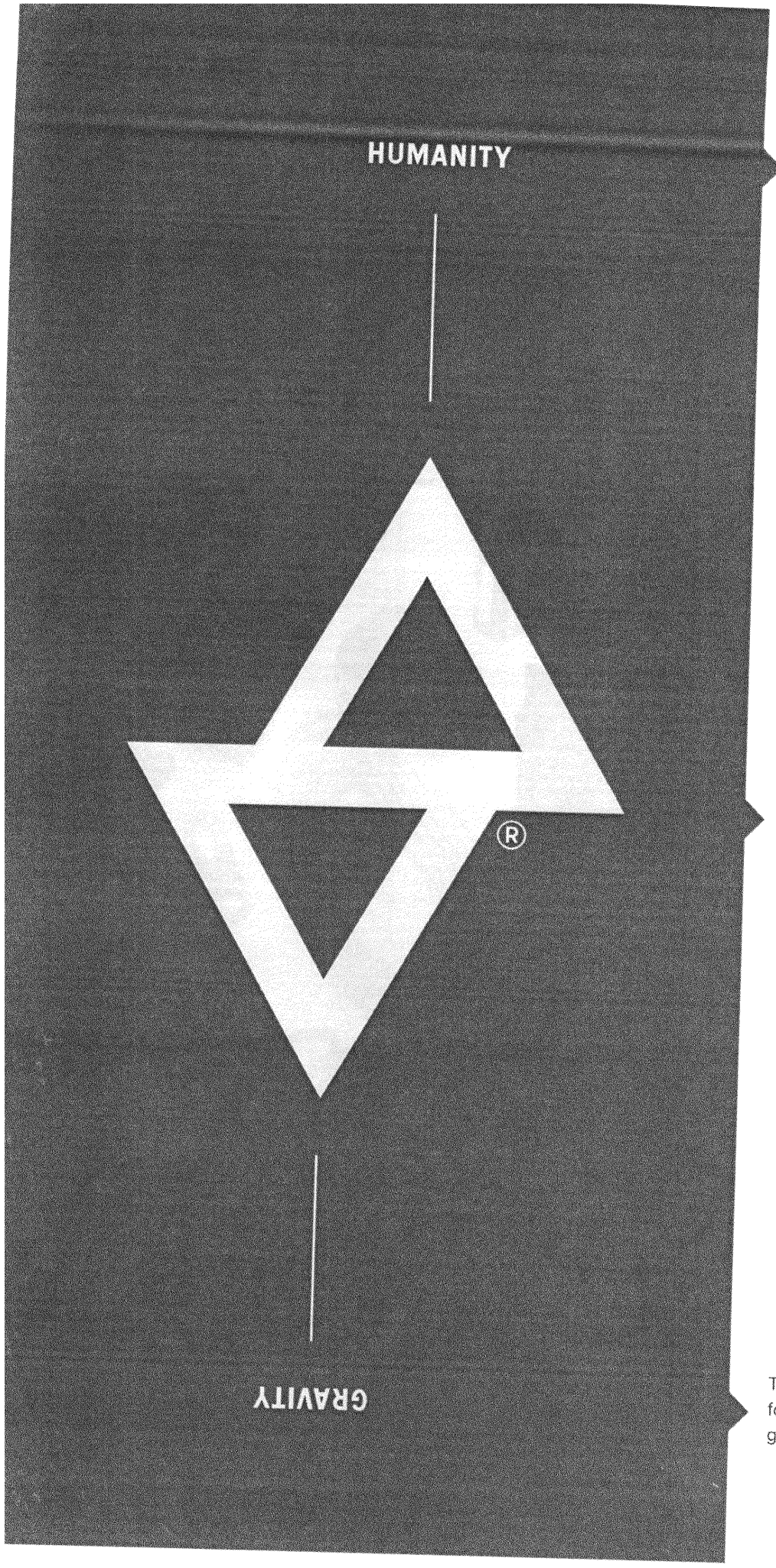
FIRE & RESCUE CLIMB TOWER

STERLING

TACTICAL ROPE ACCESS ARBOR



WORK 2019



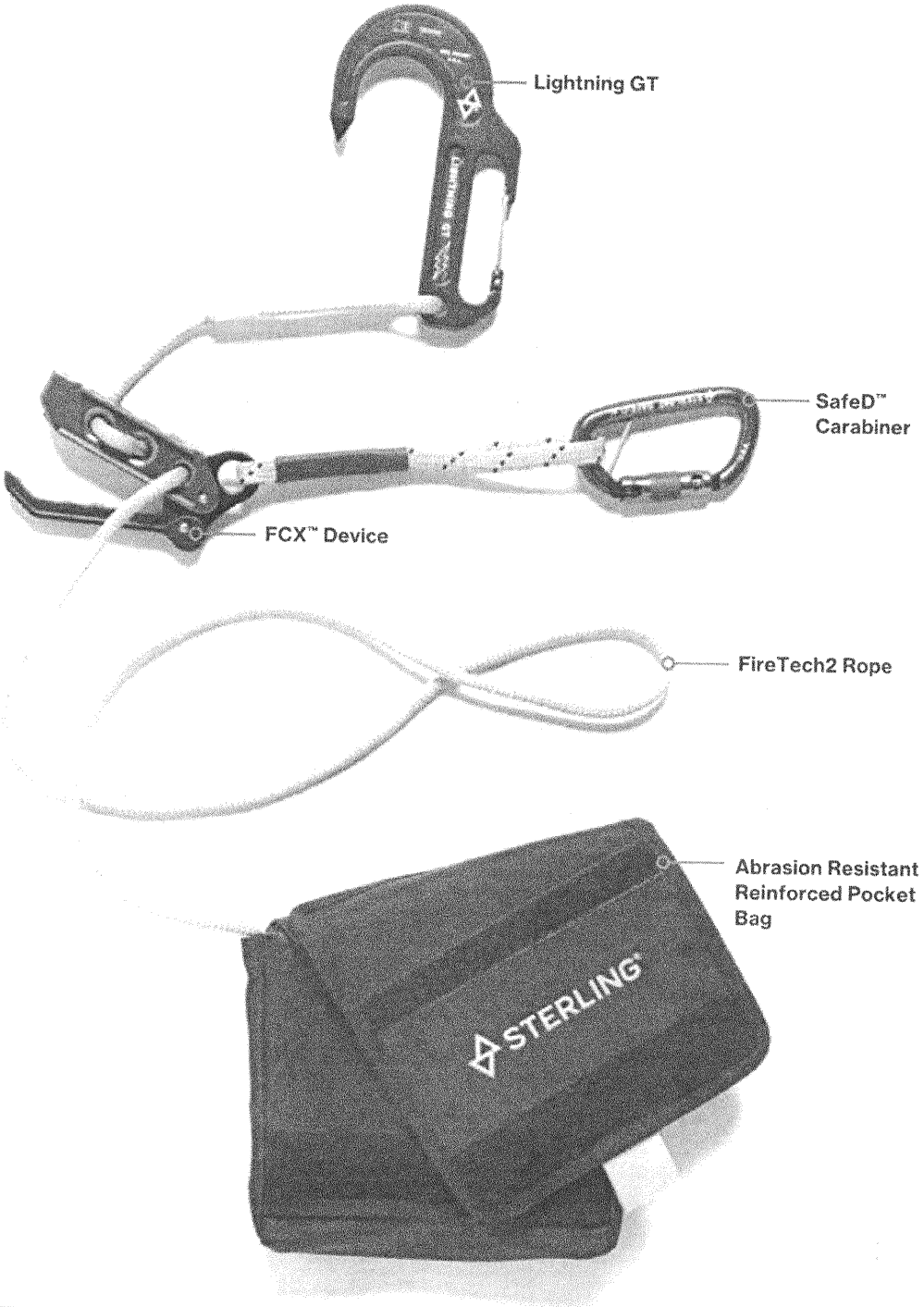
The top triangle embodies the will of humanity and the drive to ascend ever upward.

Aiding people in the battle against the negative force of gravity is at the center of Sterling's reason for being. When you can be bold, courageous and safe, you can own the moment.

We call that Freedom to Focus.

The bottom triangle serves as the force of gravity, seeking always to ground us.

FCX™ Escape System



Unparalleled performance.

Unmatched customization.

At Sterling we're dedicated to fire fighter safety. We pioneered the development of escape systems that allow rapid egress and self-rescue – all built on the foundation of our proven, trusted ropes. The FCX Escape System is our latest innovation designed around the needs of fire fighters and departments.

A portion of every Sterling FCX Escape System sold is donated to the Lt. Joseph P. DiBernardo Memorial Foundation.

✓ Certified to 1983 NFPA Escape System

Proudly Made in U.S.A. with U.S. and Globally Sourced Material

For additional details, specifications, and customization options see page 36 or contact our sales team.

Our Pledge is Simple

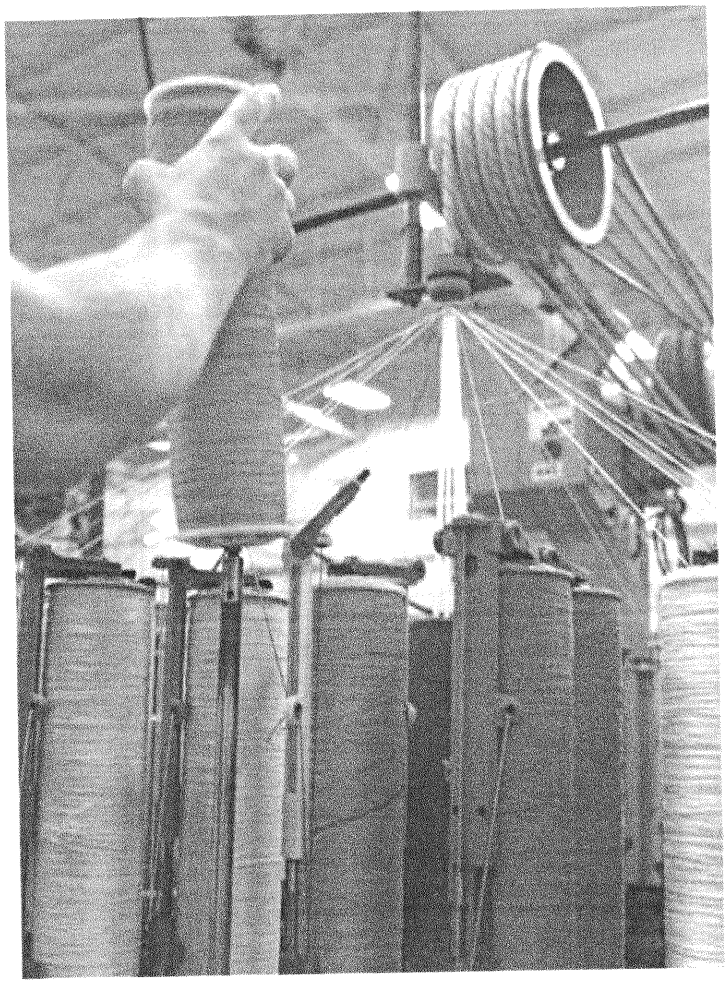
We have committed to ourselves and to those who use and rely on our products that we'll never compromise quality; we'll never stop innovating real-world solutions, and we'll deliver the most reliable equipment possible.

At Sterling, we're proud to design and build all of our Life-Safety Rope under one roof in Biddeford, Maine. 25 years ago, we made a commitment to be a US manufacturer, to keep all our processes in-house and, as much as possible, work with US-based partners and vendors. By designing and producing here, under one roof, we can assure a better outcome, more consistency and higher quality.

Key Certifications

It's important to purchase your life-safety equipment from respected and certified manufacturers. Part of understanding this significance is knowing whether products are certified, what the certifications mean and how they are applied to each product. As an ISO 9001 Company, Sterling is proud to offer products that are 3rd party tested and meet CE, NFPA, and/or ANSI Standards on life-safety equipment.

- **EN 1891** certifies personal protective equipment for the prevention of falls from a height; specifically low-stretch kernmantle ropes for climbing/access lines. Manufacturing to the CE standard ensures products meet certain quality criteria for work at height.
- **ANSI Z359** is the American National Standard Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components. The standard addresses the variety of equipment being developed in the rapidly growing field of Fall Protection.
- **NFPA 1983** is the National Fire Protection Association's "Standard for Life-Safety Rope and Equipment for Emergency Service." This standard requires that a manufacturer is certified to ISO 9001 and specifies performance, labeling, user instruction and test method criteria for rope, connectors, descent devices, anchors and systems. Third-party testing and certification of our product to this standard ensure that our manufacturing and quality control processes deliver products and systems that work well in technical rope and life-safety applications. Look for certifications at UL's Certification Online Directory at *ul.com/database*.





Proudly Made in U.S.A.
with U.S. and Globally Sourced Material

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Rope Access

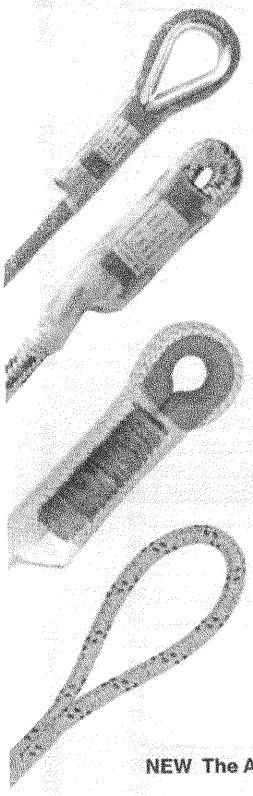
NEW Biddo Bag 55 ____ 7
PDQ Replacement Bag ____ 7
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7/16" WorkPro ____ 9
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3/8" HTP ____ 10
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1/2" WorkPro ____ 9
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3/8" HTP ____ 10
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Ropes

We've been innovating and creating the finest rope products for more than 25 years. Our current rope line is a diverse mix of products, each thoughtfully designed to meet the needs of the user and meticulously manufactured to the highest quality standards.



Knots vs. Sewn Terminations

Lanyards, cows' tails, hitch cords, rope attachment points are all commonly terminated with tied knots or sewn terminations. The termination type selected is dictated by user preference or manner of use, but there are pros and cons to both:

Advantages of Sewn Terminations

- Less bulky
- Lower reduction in breaking strength
- Uses less rope
- Eliminates user error in terminating a rope
- May help ropes to meet or maintain certain standards

Advantages of Knots

- Saves money
- More versatile

When adding a knotted termination, there is a decrease in the overall breaking strength of the rope. The amount of strength loss depends on the type of termination and the materials involved. Additionally, the breaking strength of sewn termination is largely dictated by the construction of the stitching and, for knots, by the knot selected.

12.5 mm Static Life Safety Rope Knot Comparison*

Knot Type	Strength Lost
Double Fisherman	27%
Butterfly	30%
Figure 8 on a Bight	31%
Bowline	37%

NEW The Atlas Sewn Eye, see page 17

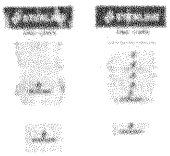
*As tested by Cordage Institute Technical Director, Dave Richards

Rope Care and Storage



Rope Wash

Proper care extends a rope's life expectancy and cleaning is a major component of care. Our biodegradable technical wash is available in a pre-packaged, 0.83 fl. oz. shot and provides enough to clean one rope. Available as a single packet or a box of 20.



End Labels

These are replacement heat-shrink tubes to re-label your rope after you cut the ends. Each packet comes with glue instructions for application. You can also write on the tubes with permanent marker to keep track of length and lot number from the original label. Comes in packets of 6 and three sizes: 5mm - 8mm, 9mm - 11mm and 12mm - 18mm. Source of heat not included.



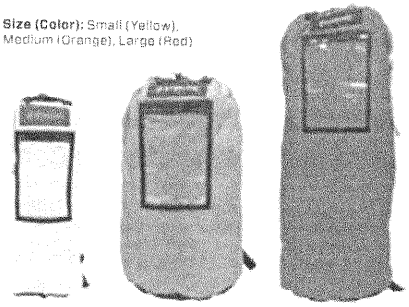
Hot Knife

Hot knives are the best and most effective way to cut ropes cleanly and efficiently so they maintain strength and longevity. We have developed two versions of hot knives: a handheld unit that is good for mobile uses and a bench-mounted version that we made specifically for our factory use, which can cut a large quantity of rope quickly and efficiently. Blade Sold Separately.

Rope Bags

Made of durable nylon, these rope bags come equipped with top handles, a bottom that's grommeted for drainage, a clear front pocket and adjustable shoulder straps on the medium and large sizes.

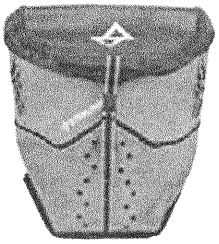
	Volume (L)	Rope Capacity
Small	17.0	200' (of 3/8" dia.)
Medium	31.0	200' (of 1/2" dia.)
Large	45.0	400' (of 1/2" dia.)



Size (Color): Small (Yellow), Medium (Orange), Large (Red)

NEW Biddo Bag 55™

The rugged Biddo Bag 55 is designed to store and transport all your essential gear. Crafted with ultra-durable material, the Biddo Bag 55 will survive even the toughest conditions while keeping your rope, harness, helmet, and more - secure and ready for work. Volume 55 L.



PDQ Replacement Bag

This rugged, rolltop bag is weather resistant and provides a perfect carrying solution for the PDQ rescue system. The internal gear attachment loop keeps the hardware organized, and the bag functions as a rope bucket for easy deployment of the rope on lowers and rappels.



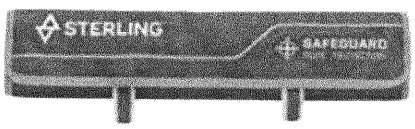
Water Rescue Throwbag

A vital piece of safety equipment for swiftwater and flood rescue. Holds 75 feet of 3/8" WaterLine, GrabLine or UltraLine.



SafeGuard™

The SafeGuard is designed for rope protection—a critical separator between rope and jagged edge that allows ropes to move freely while avoiding abrasion damage. Unique stacked layers of fabric prevent cutting on sharp edges. Removable plastic insert allows for smooth emergency lowering or can be removed for wrapping small diameter anchors. Length: 18"



Prime Rope Shorts

Our first-quality static ropes are available in pre-packaged shorter lengths for building anchors or making short rappels.

Visit SterlingRope.com or give us a call at 1-207-282-2550 for pricing and availability.

Static Ropes

Low-elongation or static ropes are a core element of any work-at-height system. We have been making the highest quality and most innovative static ropes for decades.

The Sterling name has become synonymous with durability and reliability across multiple industries at all job sites. For us, making a new rope starts with understanding how exactly it will be used in a work-access or rescue scenario, what function it needs to perform, and how it will need to handle and integrate with other tools and hardware.

Armed with extensive feedback from expert technicians in the field, we can engineer a static rope that meets a very specific set of requirements. We currently produce **nine lines of static ropes**, each designed, built and rigorously field tested to Sterling standards.

Sterling Static Rope Overview

Rope Family	Materials	Diameter	Key Characteristics
WorkPro™ **p. 9** 	Polyester/Nylon	3/8", 7/16" and 1/2"	The smooth handling and perfectly balanced elongation of a nylon core combined with the ruggedness of a polyester sheath.
HTP™ **p. 10** 	100% Polyester	9 mm, 3/8", 7/16", 1/2", 5/8"	Ultra-low stretch, resistance to the elements, great strength and durability in abusive conditions.
SuperStatic2™ **p. 12** 	100% Nylon	3/8", 7/16", 1/2", 5/8"	Innovative sheath construction provides a smoother braid, reducing overall rope stiffness for ease of handling and gear compatibility, while maintaining strength and great durability.
SafetyPro™ **p. 14** 	100% Nylon	9 mm, 10 mm, 10.5 mm, 11 mm	Carefully engineered kernmantle construction makes for a static work line with a small but important amount of stretch. Favored for rope access and rescue professionals.
VerGo™ **p. 15** 	100% Polyester	1/2", 3/8", 5/8", 3/4"	Double-braid line specifically designed for hauling operations on tower jobs and features maximum strength with low stretch.
Scion™ **p. 16** 	Polyester/Nylon	7/16", 1/2"	Fully-certified dedicated double-braid arbor climbing lines for MRS and SRS climbing. Available with sewn terminations.
Tendril **p. 16** 	Polyester/Nylon	7/16"	A lightweight and adaptable double-braid arbor climbing line. Compatible with a wide variety of climbing setups.
Atlas™ **p. 17** 	Polyester/Nylon	1/2", 9/16", 5/8", 3/4"	Double-braided arbor rigging lines that offer a tightly braided sheath to prevent picking, easy handling and massive strength.
Tech Ropes **p. 18** 	Technora®, Spectra® and Nylon	8 mm, 3/8", 7/16", 1/2"	Use of the aramid fiber Technora grants unparalleled heat and abrasion resistance for the most challenging and hazardous work environments.

WorkPro™

Our newest static rope: the ultimate work horse

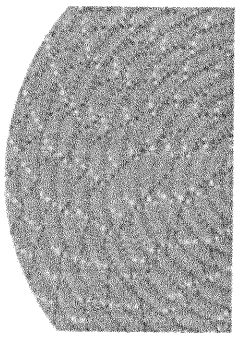
Our newest static rope benefits from our extensive experience working with mixed material ropes. The WorkPro uses a newly designed pre-steamed nylon core surrounded by a 32-carrier polyester sheath. This combination of fibers makes for a balanced elongation in the core and sheath so they share the load evenly—making the rope stronger than other ropes of similar construction.

All WorkPro diameters are certified to **EN 1891: Type A.**

The 3/8" and 7/16" are also **NFPA 1983: Technical.** The 1/2" is **NFPA 1983: General.**

The 7/16" and 1/2" also meet **ANSI Z133.**

> I've been really happy with the 12.5 mm WorkPro™. It doesn't hurt my hands to grab as much as smaller-diameter rope, 11.7's and whatnot, but it's also not quite as heavy as some of the larger half-inch ropes. It also hasn't lost its knotability, as I've beaten it up over the course of the past season. I tend to beat things up pretty badly, so the fact that I'm still climbing on it says something for the durability of this rope. I use it with my mechanical devices, Rope Runner, Bulldog Bone, Akimbo, and I've had really good luck with all of them.
>
> **- Mac Swan, Certified Arborist, TRAQ, CTSP and Sterling Field Tester**



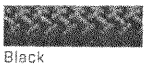
3/8" WorkPro

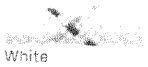
Versatile static line that's ideal for rappelling, hauling, and jugging.

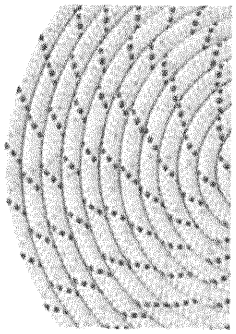
3 colors

NFPA 1983: Technical, EN 1891: Type A


Red


Black


White



7/16" WorkPro

Features the abrasion resistance of HTP with a soft hand and energy absorption of a nylon rope. Designed for use by arborists, rope access technicians and the military.

5 colors

NFPA 1983: Technical, EN 1891: Type A, ANSI Z133

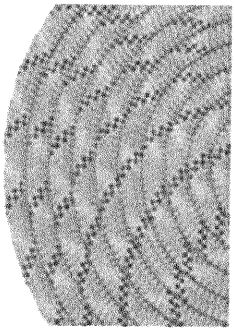

Red


Blue


White


Black


Neon Green



1/2" WorkPro

Balance of strength and handling suited for rescue scenarios.

5 colors

NFPA 1983: General, EN 1891: Type A, ANSI Z133


Red


Blue


White


Black


Neon Green

	3/8" WorkPro	7/16" WorkPro	1/2" WorkPro
Diameter (mm)	10.0	11.0	12.5
Weight (lb/100')	4.5	5.6	7.4
MBS Rating (lb)	6,519	8,092	10,116
MBS Rating (kN)	29.0	36.0	45.0
MBS Figure 8 (kN)	>15	>15	>15
ABS Rating (lb)	7,316	9,586	10,520
ABS Rating (kN)	32.5	42.6	46.8
Elongation at 300 lb (%)	3.5	3.5	3.3
Elongation at 10% MBS (%)	8.4	9.4	9.8
50-150 kg Elongation (%)	2.6	2.8	1.7
Sheath Percentage (%)	44.7	36.0	35.8
Sheath Slippage (%)	0.0	0.4	0.0
Shrinkage (%)	0.8	2.4	1.9
Core/Sheath	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester
EN 1891 Falls	>5	>5	>5
EN 1891 Impact (kN)	5.5	5.8	5.5
Certification	EN 1891 (A) NFPA 1983 (T)	EN 1891 (A) NFPA 1983 (T)	EN 1891 (A) NFPA 1983 (G)
Lengths Available	150, 200, 300, 600, 660' | 46, 61, 92, 183, 200 m		

ABS=Average break strength, MBS=Three-sigma minimum break strength

HTP™

Ultra-low stretch, strong and durable in all conditions

When we first introduced the HTP lineup—the first 100% polyester static ropes on the market—the reaction could best be described as skeptical. There was no precedent for using it in high-impact, industrial rope applications.

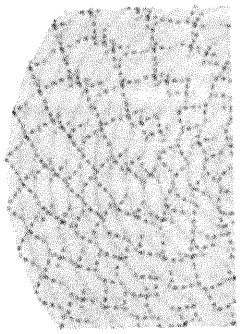
A few years later, HTP are some of the most sought-after static ropes available, for many rope access, rescue or tactical applications.

This popularity is because of the HTP's many advantageous qualities thanks not only to its polyester material, but also to the construction methodology we devised to extract the most from this material: an exacting core construction for strength and unique sheath for handling. The result is solid resistance to water, chemicals, UV and abrasion and great overall handling and gear compatibility.

Sterling HTP ropes are certified to **NFPA 1983:**

3/8", 7/16" **Technical**
1/2", 5/8" **General**

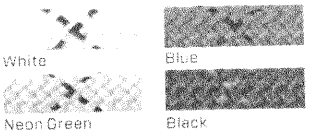
7/16" and 1/2" also meet **ANSI Z133.**

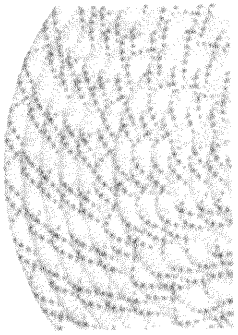


9 mm HTP

High strength and low elongation in lightweight package.

4 colors



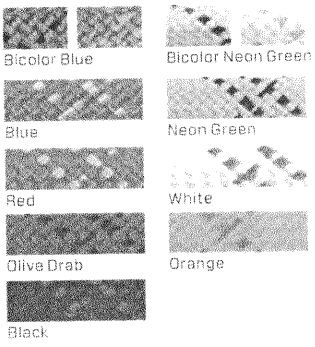


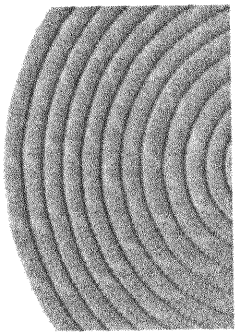
3/8" HTP

Good for search and rescue taglines, mountain rescue, and lightweight tensioned systems.

9 colors

NFPA 1983: Technical



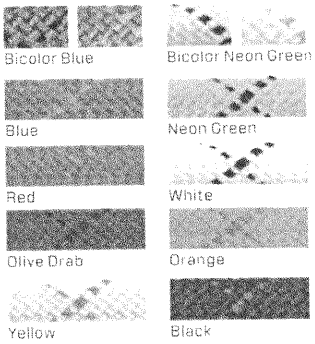


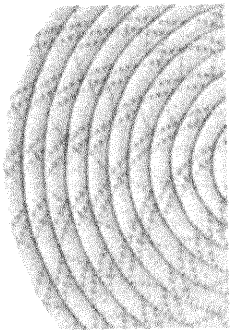
7/16" HTP

A multiuse rescue and rappel rope perfect for rope rescue, rope access and efficient ascending/descending.

10 colors

NFPA 1983: Technical
ANSI Z133



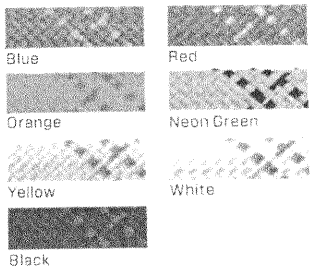


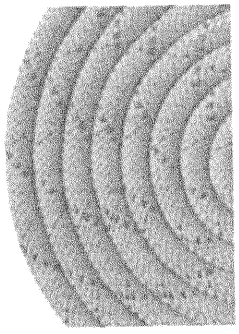
1/2" HTP

The top choice for mainlines, haul systems and highline use.

7 colors

NFPA 1983: General
ANSI Z133



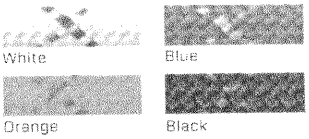


5/8" HTP

Engineered for serious strength and a perfect choice for industrial work and other big jobs. It is also compatible with many industrial fall protection devices.

4 colors

NFPA 1983: General



Technical Specs	9 mm HTP	3/8" HTP	7/16" HTP	1/2" HTP	5/8" HTP
Diameter (mm)	9.0	10.0	11.0	12.5	16.0
Weight (lb/100')	4.3	5.3	6.5	8.0	12.5
MBS Rating (lb)	4,496	5,979	6,856	9,081	12,993
MBS Rating (kN)	20.0	26.6	30.5	40.4	57.8
ABS Rating (lb)	5,058	6,784	7,568	10,507	15,173
ABS Rating (kN)	22.5	30.2	33.7	46.7	67.3
Elongation at 300 lb (%)	1.6	1.4	1.9	1.0	1.6
Elongation at 10% MBS (%)	2.0	2.8	4.0	2.0	2.8
Core/Sheath	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester
Certification		NFPA 1983 (T)	NFPA 1983 (T)	NFPA 1983 (G)	NFPA 1983 (G)
Lengths Available	150, 200, 300, 600, 660' | 46, 61, 92, 183, 200 m				

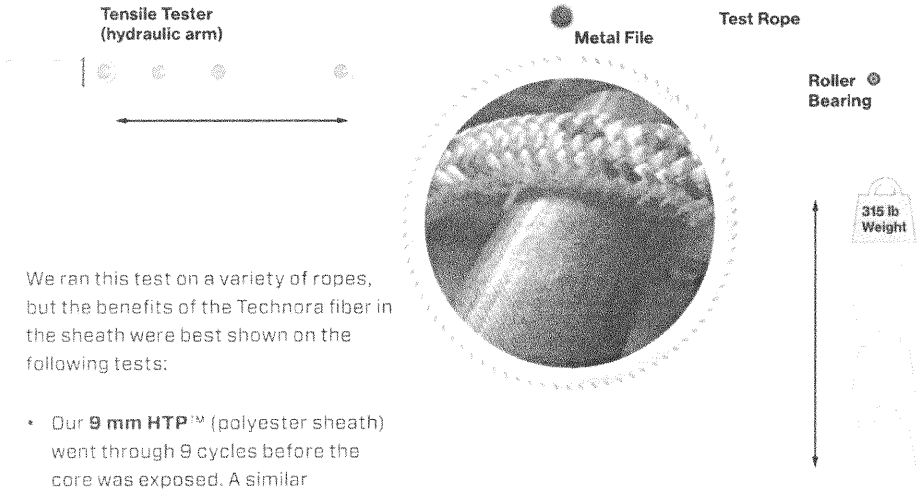
ABS=Average break strength, MBS=Three-sigma minimum break strength

Rope Testing

Abrasion Resistance

For years we have known that the use of Technora® offered benefits in terms of strength and heat resistance. It was also known that the use of Technora fiber offered an increased resistance to cuts and abrasion damage, but we wanted to be able to quantify that benefit. To do this, our engineering department devised the following test:

- A mass of 315 lb was attached to the test rope.
- This rope was run over a 150 degree bend, which was fitted with a steel file at the bend.
- The other end was attached to our hydraulic tensile tester.
- The load was raised up, dragging the rope 40 cm (160 degree bend) across the file, then lowered back to the ground. This process was repeated, with the file being cleaned every cycle, until the core of the rope became visible.



We ran this test on a variety of ropes, but the benefits of the Technora fiber in the sheath were best shown on the following tests:

- Our **9 mm HTP**™ (polyester sheath) went through 9 cycles before the core was exposed. A similar diameter rope, our **9 mm C-IV**™, which has a Technora sheath, sustained 14 cycles on average.
- Similarly, our **7/16" HTP** (polyester sheath) rope lasted an average of 15 cycles.
- The **Tech11**™, with a Technora sheath, went for more than 27 cycles before the core finally showed through. In high-abrasion environments, such as steel structures, this durability keeps the equipment in service longer.

Abrasion Resistance Results

Rope	Number of Cycles Before Core Exposure
9 mm HTP	9
9 mm C-IV	14
7/16" HTP	15
Tech11	27

For Tech11, see page 18.

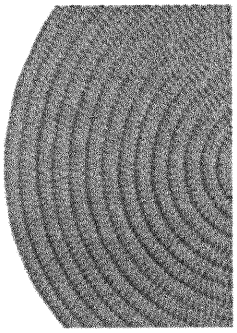
SuperStatic2™

Ultra-smooth handling and gear integration

The SuperStatic2 line has been our go-to, all-around static rope for over 25 years. In this latest version, the core is engineered specifically to make the SuperStatic2 a more flexible and better-handling rope. It also made the ropes more round and consistently shaped from end-to-end. The SuperStatic2 ropes integrate smoothly and operate reliably with gear and hardware.

Sterling SuperStatic2 ropes are certified to **NFPA 1983**

3/8", 7/16" **Technical**
1/2", 5/8" **General**

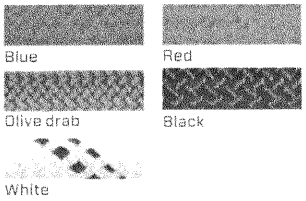


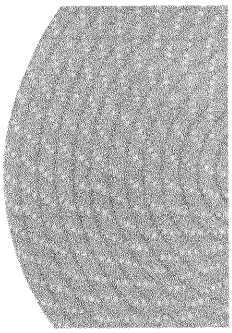
3/8" SuperStatic2

Lightweight technical rescue and rappel rope, compatible with most ascending and rappelling devices.

5 colors

NFPA 1983: Technical



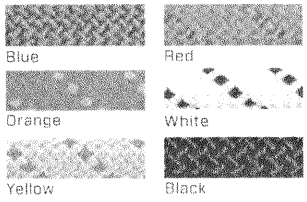


7/16" SuperStatic2

A do-it-all static rope that can withstand heavy abuse.

6 colors

NFPA 1983: Technical



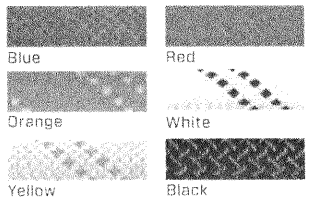


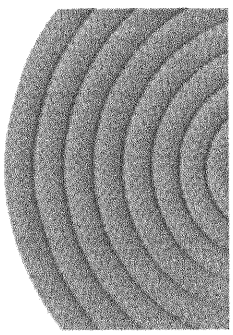
1/2" SuperStatic2

The most versatile general use rescue rope and the experienced professional's choice for main and belay lines.

6 colors

NFPA 1983: General



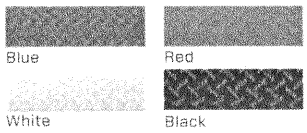


5/8" SuperStatic2

A heavy-duty rope engineered for serious lifting. It is a perfect choice as a haul line for tower construction work and other big jobs.

4 colors

NFPA 1983: General

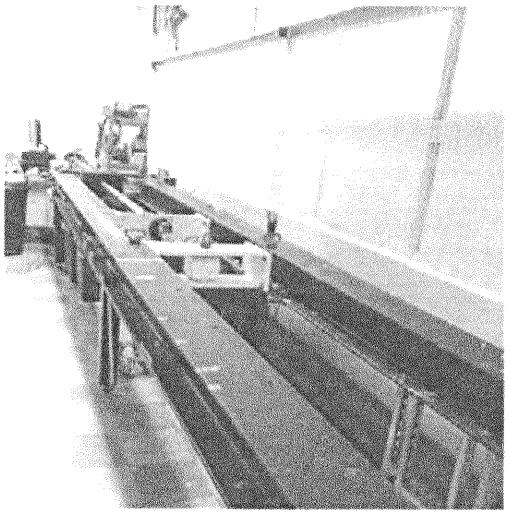


We had an intensive 7-day rescue course in Joshua Tree and we brought the 7/16" SuperStatic2. We put it through its paces with racks, prusiks, pulleys, mechanical devices as well as abrasive rock and it handled as well as any Sterling rope would. Great knotability and handling with very low elongation.

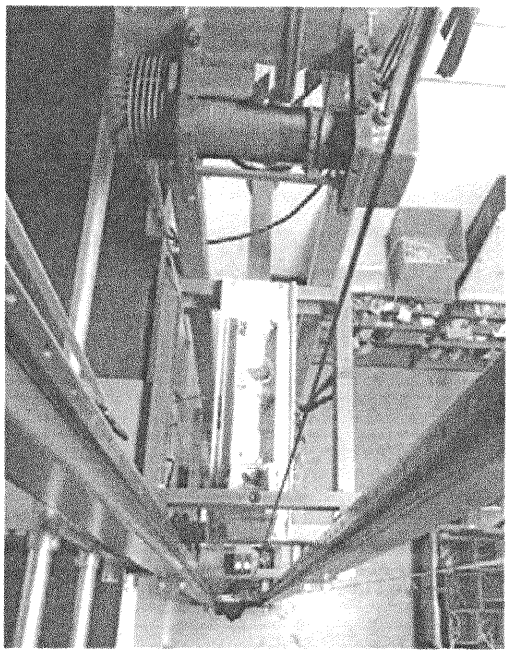
-John Giddings, Peak Rescue Institute

Technical Specifications	3/8" SuperStatic2	7/16" SuperStatic2	1/2" SuperStatic2	5/8" SuperStatic2
Diameter (mm)	9.5	11.0	12.5	16.0
Weight (lb/100')	4.2	5.5	6.8	10.7
MBS Rating (lb)	4,945	6,519	9,239	12,364
MBS Rating (kN)	22.0	29.0	41.1	55.0
ABS Rating (lb)	5,467	7,402	9,382	14,074
ABS Rating (kN)	24.3	32.9	41.7	62.6
Elongation at 300 lb (%)	3.3	3.2	1.5	1.4
Elongation at 10% MBS (%)	6.2	7.0	6.2	6.4
Core/Sheath	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon
Certification	NFPA 1983 (T)	NFPA 1983 (T)	NFPA 1983 (G)	NFPA 1983 (G)
Lengths Available	150, 200, 300, 600, 660' | 46, 61, 92, 183, 200 m			

ABS=Average break strength, MBS=Three-sigma minimum break strength



Horizontal test frame



Looking down the drop tower

Testing Capabilities

Testing is an extremely important part of product development process as well as quality control throughout our manufacturing process. Employing the various standards allows us to track and compare the results of new designs, materials, equipment, or processes. Sometimes, however, it's necessary for us to create and carry out new test methods in order to gain new information. This new information is important in helping us design new and better products as well as improve existing ones.

Our **tensile test machine** is designed specifically to carry out slow pull tests in accordance with such standards as CI 1801 and EN 1891. It also has the capability of being modified to accomplish customized tests according to customer needs. Currently we have fixtures to test to roughly 30k pounds of force (130kN) on ropes without terminations. For ropes with eye terminations we can test to 50k pounds of force (222kN). This exceeds most requirements for life-safety ropes and systems.

Our **drop tower** is designed to carry out tests in accordance with UIAA 101, EN 892, and EN 1891. Dynamic testing, or drop testing, is conducted to simulate how ropes or systems perform in fall scenarios. It has the capability of running a variety of custom test scenarios with a mass up to 100kg.

In addition to the testing above, we have the ability to perform **kits and systems tests, gear compatibility, cycle testing** as well as **flex fatigue**, to name a few. For more information about the tests we perform and the standards we test to, visit SterlingRope.com.

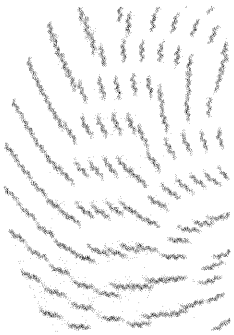
SafetyPro™

An ideal balance of strength, elongation and handling

The SafetyPro static ropes are specifically designed to meet the needs of rope access personnel. These 100% nylon static ropes hit the sweet spot for durability, elongation and knot-tying ability: essential characteristics for work-at-height. The SafetyPro series is among the most popular tools for professional rope access technicians, tower, wind turbine, and industrial workers.

Sterling SafetyPro ropes are certified to **EN 1891**

9 mm	**Type B**
10, 10.5, 11 mm	**Type A**

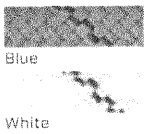


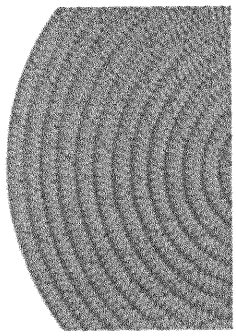
9 mm SafetyPro

A lightweight construction that is ideal for rappel and tag lines, anchor systems or light rescue loads.

4 colors

EN 1891: Type B



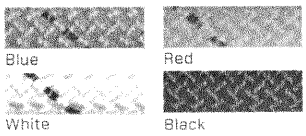


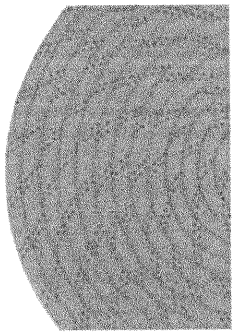
10 mm SafetyPro

Originally designed for military and tactical applications, the balanced construction makes this the perfect rope for lightweight work at height.

4 colors

EN 1891: Type A



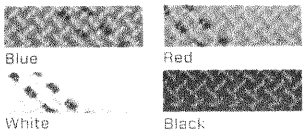


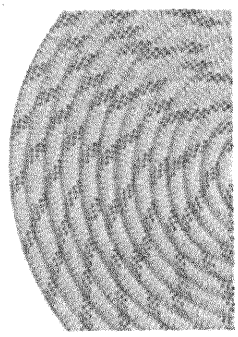
10.5 mm SafetyPro

Designed as a technical work and rescue line with excellent abrasion resistance, it is a proven option for rappel and backup lines.

4 colors

EN 1891: Type A



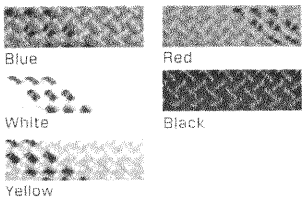


11 mm SafetyPro

A technical work and rescue line manufactured to meet the requirements of the most demanding rope access professionals.

5 colors

EN 1891: Type A



Technical Specifications	9 mm SafetyPro	10 mm SafetyPro	10.5 SafetyPro	11 mm SafetyPro
Diameter (mm)	9.0	10.0	10.5	11.0
Weight (lb/100')	3.4	4.2	4.7	5.1
MBS Rating (lb)	4,271	5,575	6,114	7,306
MBS Rating (kN)	19.0	24.8	27.2	32.5
MBS Figure 8 (kN)	>12	>15	>15	>15
EN 1891 Falls	>5	>5	>5	>5
EN 1891 Impact (kN)	4.4	5.9	5.8	5.9
Elongation at 300 lb (%)	1.9	4.5	2.8	3.3
Elongation at 10% MBS (%)	4.2	7.6	6.0	8.4
50 kg/150 kg Elongation (%)	3.4	3.3	3.4	3.4
Sheath Percentage (%)	42.0	40.1	47.1	41.4
Sheath Slippage (%)	0.0	0.0	0.0	0.0
Shrinkage (%)	1.8	1.7	1.8	2.0
Core/Sheath	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon
Certification	EN 1891 (B)	EN 1891 (A)	EN 1891 (A)	EN 1891 (A)
Lengths Available	165, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m	150, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m	150, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m	150, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m

MBS=Three-sigma minimum break strength

VerGo™ Load Line

Polyester double-braid for utility and hauling use

Constructed with a braided core and an optimized braid in the sheath to maximize strength, durability and smooth handling.

The VerGo is the ideal winch rope when transporting or hauling gear up and down a tower.

1 color

3/8" VerGo



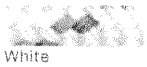
White

5/8" VerGo



White

1/2" VerGo



White

3/4" VerGo



White

Technical Specifications	3/8" VerGo	1/2" VerGo	5/8" VerGo	3/4" VerGo
Diameter (mm)	9.5	12.5	16.0	19.0
Weight (lb/100')	4.4	8.2	14.2	17.5
MBS Rating (lb)	4,377	9,147	16,267	16,374
MBS Rating (kN)	19.5	40.7	72.4	72.8
ABS Rating (lb)	4,790	10,086	18,275	22,316
ABS Rating (kN)	21.3	44.9	81.3	99.3
Elongation at 300 lb (%)	2.0	1.2	0.5	0.3
Elongation at 10% MBS (%)	2.6	2.7	2.2	1.4
Sheath Percentage (%)	55.0	48.0	49.0	54.0
Core/Sheath	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester
Certification	-	-	-	-
Lengths Available	300, 600, 1,200' | 92, 183, 366 m			

ABS=Average break strength, MBS=Three-sigma minimum break strength

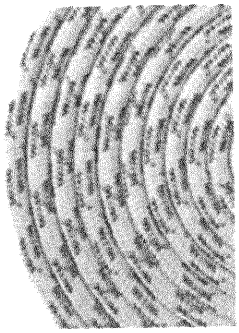
Scion™

Double-braid arbor climbing lines that are fully certified

The Scion's ability to absorb dynamic forces makes this rope series ideal for MRS and SRS. The 11.5 mm and the 12.5 Scion are double-braid lines featuring a burly polyester 24-strand sheath, yet engineered to have decreased elongation, soft handling and easy knotability. The durable sheath is designed to handle mechanical devices and run efficiently through hardware. Both diameters can be hand spliced and are also available with sewn terminations.

Scion Climbing Lines are Certified to **EN 1981 Type A** and meet **ANSI Z133**

Hand spliceable



7/16" Scion™

A fully certified, dedicated arbor climbing line for MRS and SRS climbing.

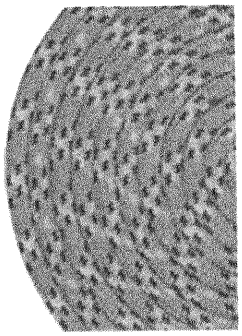
3 colors

EN 1891: Type A, ANSI Z133


Blue


Green


Orange



1/2" Scion™

We built the 1/2" Scion with the same durability and performance in a larger diameter for SRS and MRS climbing.

2 colors

EN 1891: Type A, ANSI Z133


Orange


Blue

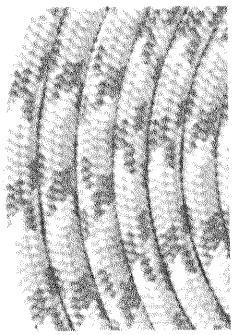
Tendril™

A light, rugged option for SRS work

The Tendril's polyester sheath and double-braid construction delivers uncompromising strength no matter if the conditions are wet or dry. This lightweight, abrasion-resistant line has low elongation and a soft, balanced handling. Easy to grip with bare or gloved hands, the Tendril runs smoothly through friction hitches or mechanical devices, and resists flattening or glazing throughout heavy use. Available with sewn terminations.

Tendril Climbing Line meets **ANSI Z133**

Hand spliceable



7/16" Tendril™

Adaptable and compatible with a wide variety of climbing setups.

2 colors

ANSI Z133


Green


Orange

Technical Specifications	7/16" Tendril	7/16" Scion	1/2" Scion
Diameter (mm)	11.1	11.5	12.5
Weight (lb/100')	6.0	6.1	7.2
MBS Rating (lb)	5,912	5,417	7,193
MBS Rating (kN)	26.3	24.1	32
Sewn Eye MBS Rating (lb)	5418	4608	6,115
Sewn Eye MBS Rating (kN)	24.1	20.5	27.2
ABS Rating (lb)	6,069	6,159	7,935
ABS Rating (kN)	27.0	27.4	35.3
Elongation at 300 lb (%)	4.1	4.1	3.3
Elongation at 10% MBS (%)	8.4	6.2	7.4
Sheath Percentage (%)	51.0	50.0	47.1
Sheath Slippage (%)	0.8	0.5	0.5
Shrinkage (%)	1.6	2.9	2.6
Core/Sheath	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester
Certification	ANSI Z133	EN 1891 (A) ANSI Z133	EN 1891 (A) ANSI Z133
Lengths Available	120, 150, 200, 600' | 37, 46, 61, 183 m		

ABS=Average break strength, MBS=Three-sigma minimum break strength

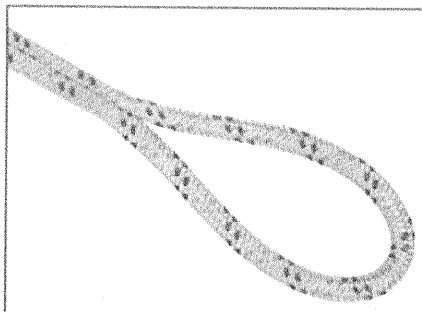
Atlas™

An all-new construction for massively increased strength

The all-new Atlas has a completely redesigned double-braid construction that provides a huge increase in overall strength: over 32% stronger than the previous Atlas design. The nylon/polyester construction gives the new Atlas unmatched strength-to-weight performance for a dynamic rigging line. The tightly woven polyester sheath resists picking, and protects the core without sacrificing handling and flexibility.

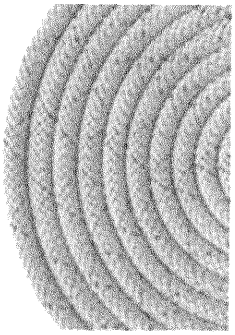
Available with a sewn termination

Hand spliceable



NEW Atlas Sewn Eyes

The Atlas sewn eyes are designed using a new low-profile, high strength tack that allows the eye to pass through typical gear.



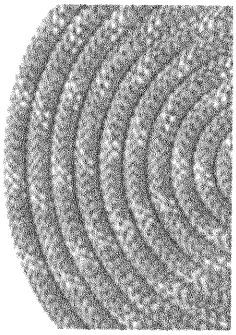
Atlas™ 1/2"

The 1/2" Atlas is the go-to rope for everyday rigging with a tightly braided sheath that protects the core without sacrificing handling.

2 colors

Orange

Green



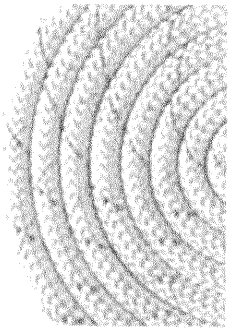
Atlas™ 9/16"

This 9/16" Atlas rigging line has been completely redesigned. The new double-braid construction is now 32% stronger than our previous 9/16" model.

2 colors

Blue

Red

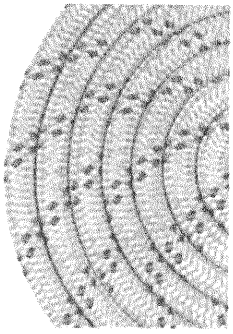


Atlas™ 5/8"

The 5/8" Atlas rigging line offers an ABS of over 19,000 lb., but still keeps the performance and handling of the thinner-diameter ropes in the series.

1 color

Yellow



Atlas™ 3/4"

The 3/4" Atlas is our most durable rigging line built for extreme loads with an average breaking strength of 22,480 lb.

1 color

Green

Technical Specifications	1/2" Atlas	9/16" Atlas	5/8" Atlas	3/4" Atlas
Diameter (mm)	13.0	14.0	17.0	19.0
Weight (lb/100')	7.9	8.9	13.5	17.3
ABS Rating (lb)	11,500	13,750	19,400	22,480
ABS Rating (kN)	51.1	61.1	86.3	100.0
Elongation at 300 lb (%)	0.9	0.8	0.4	0.3
Elongation at 10% MBS (%)	4.1	4.5	4.5	4.3
Sheath Percentage (%)	49.0	43.0	40.0	41.0
Core/Sheath	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester
Lengths Available	150, 200, 600' | 46, 61, 183 m			

ABS=Average break strength, MBS=Three-sigma minimum break strength

Tech Ropes

Specialty ropes for the toughest environments

After a quarter century of building the highest quality ropes and life-safety products, Sterling static ropes have developed a reputation for quality, reliability and ease-of-use. But above all, our ropes are known for durability. Despite the inherent ruggedness of all of our static ropes, some work environments are so hazardous and so challenging that they require something special.

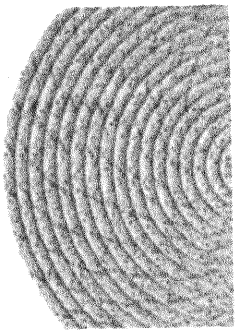
Enter our Tech Series: a line of static ropes that incorporate Technora®, an aramid fiber that is highly resistant to heat and cutting. We were the first to use Technora for life-safety applications like fire ropes. It's a material that we've become experts at engineering into ropes and one that allows Sterling Tech ropes to go where other ropes simply can't.

Sterling H3 Tech125, Tech11 and Tactical Response ropes are certified to **NFPA 1983**

Tactical Response	**Technical, EN 1891: Type B**
Tech11	**General, EN 1891: Type A**
H3 Tech125	**General**

Tech11 and H3 Tech11:

Sterling offers heat resistant static ropes that meet the ARC Flash criteria of ASTM F887. The ropes were 3rd party tested and meet the requirements of ANSI Z359.1, vertical lifeline component of 5,000 lb (22 kN) after being exposed to the Arc Flash.

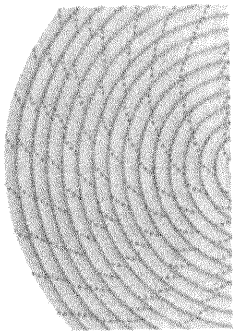


OpLux™

High-strength, cut-resistant Spectra® fibers in the core combined with a unique blended Technora sheath give the OpLux unmatched power in the most compact package.



Natural Technora / Black/Olive Drab



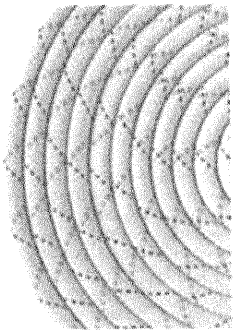
Tactical Response™

Low weight and high strength in a compact diameter that's readily compatible with climbing and rescue hardware. Ideal for mountain rescue and tactical scenarios.

NFPA 1983: Technical
EN 1891: Type B



Black Tracer



Tech11™

The only NFPA - General rated 11 mm rope. Tech 11 is a go-to for hazardous rope access situations, such as refineries or chemical plants, as well as general rescue use.

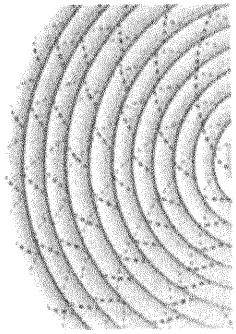
NFPA 1983: General
EN 1891: Type A



Black/Blue Tracer



Neon Green/ Orange Tracer



Tech125™

Extremely durable and incredibly strong. Designed with a heat-resistant sheath in a 1/2" size for use with standard rescue equipment.



Black/Red Tracer

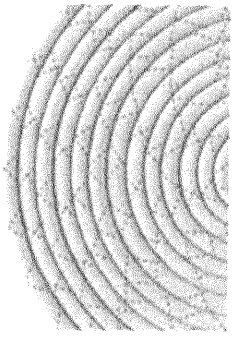
Technical Specifications	OpLux™	Tactical Response™	Tech11™	Tech125™
Diameter (mm)	8.0	9.5	11.0	12.5
Weight (lb/100')	2.8	4.2	5.9	7.0
MBS Rating (lb)	5,440	6,744	9,014	10,183
MBS Rating (kN)	24.2	30.0	40.1	45.3
Elongation at 300 lb (%)	3.3	3.4	3.4	2.1
Core/Sheath	Spectra/Technora & Polyester	Nylon/Technora	Nylon/Technora	Nylon/Technora
Certification	-	NFPA 1983 (T) / EN 1891 (B)	NFPA 1983 (G) / EN 1891 (A)	-
Lengths Available	100, 150, 200, 300, 660' 30, 46, 61, 92, 200 m*	150, 200, 300, 600, 660' 46, 61, 92, 183, 200 m	150, 200, 300, 600, 660' 46, 61, 92, 183, 200 m	200, 600' 61, 183 m

MBS=Three-sigma minimum break strength

With both core and sheath made of 100% Technora, the H3 models are a triple-threat in applications involving heat, height and hazards.

Technical Specifications	H3 Tech11™	H3 Tech125™
Diameter (mm)	11.0	12.5
Weight (lb/100')	6.0	7.6
MBS Rating (lb)	9,576	9,441
MBS Rating (kN)	42.6	42.0
Elongation at 300 lb (%)	1.1	1.0
Core/Sheath	Technora	Technora
Certification	-	NFPA 1983 (G)
Lengths Available	200, 600' | 61, 183 m	

MBS=Three-sigma minimum break strength

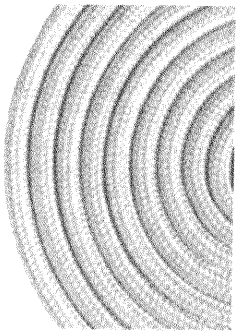


H3 Tech11™

For high heat rope access and rescue scenarios, there's nothing more rugged or more capable.


Black Tracer


Red Tracer

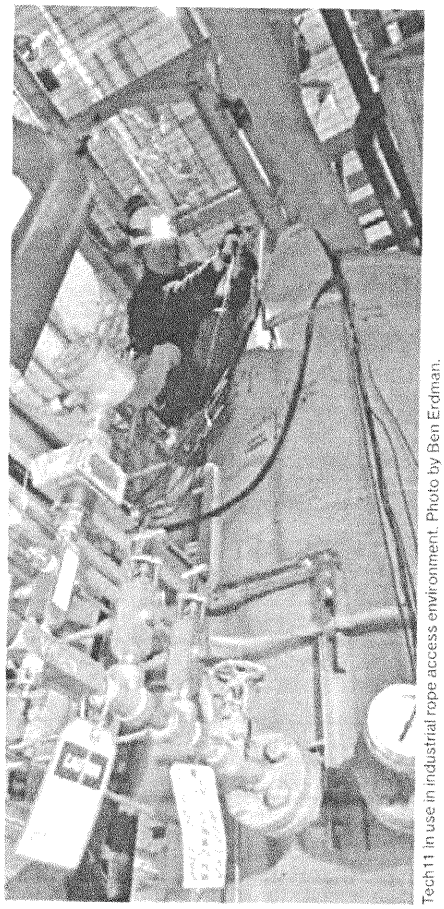


H3 Tech125™

A 100% Technora rope that is extremely durable, has great handling and is easy to use with descent control devices. For use in roof rescue and other fire operations that need heat and cut resistance.

NFPA 1983: General


Natural Technora


Tech 11 in use in industrial rope access environment. Photo by Ben Erdman.

Technora® Rope Testing

Heat Resistance

Environments with hot hazards, such as steam tracing pipes, can potentially be damaging to the lifelines used for access and rescue. No consensus standard exists for ropes in contact with such high heat hazards, so Sterling designed and built a specialized testing apparatus which would allow us to test ropes in contact with steel pipes at temperatures of over 700°F. Shown here is a sample of some of the results of this testing.*

Ropes were wrapped 180° around a pipe heated to 700°F with a steady load of 2 kN applied and held to 10 minutes or until failure.

Rope Name	Materials (Sheath/Core)	Time (seconds)	Max Load (kN)	Residual ABS	Control ABS	% Strength Retained
HTP™	Polyester/Polyester	37	0.3	0.0	0.0	0.0
Tech11™	Technora/Nylon	600	2.0	13.1	44.9	29.2
H3 Tech11™	Technora/Technora	600	2.0	37.8	44.5	85.0

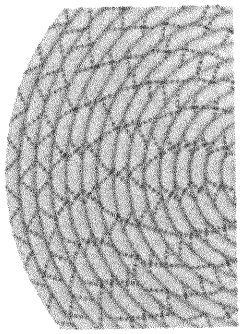
ABS=Average break strength

*This testing is by no means definitive or conclusive. A thorough Job Hazard Analysis should be conducted before working in any environment where hot hazards exist. For further information, please contact us.

Dynamic Ropes

The gold standard in multi-purpose dynamic ropes

Sterling produces a full range of dynamic ropes including ropes that meet military specification and mountain rescue requirements. All Sterling ropes are manufactured in the USA and are Berry Amendment compliant. With available lengths ranging from 30-80 m in standard and DryXP UIAA Certified Water Repellent finishes, plus our bicolor and bipattern options, Sterling offers multi-purpose dynamic ropes to meet the most demanding climbing applications.



Nano IX™ 9.0 mm

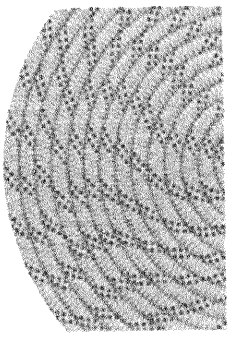
A highly-specialized rope engineered for climbing where weight is critical to mission success. Triple certified as UIAA single, half and twin. DryXP UIAA Certified Water Repellent treatment comes standard.


Bicolor Olive Drab

Bicolor Tan

8 colors available (2 shown)

UIAA 101, EN 892



Aero 9.2 mm

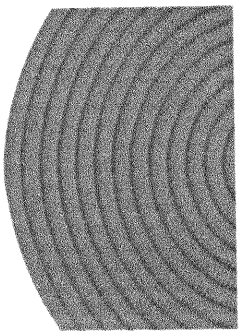
With a 9.2 mm diameter, the Aero balances a durable, tough sheath with a lighter weight core construction. Available with optional DryXP UIAA Certified Water Repellent treatment.

5 colors available (2 shown)


Bicolor Tan


Bicolor Olive Drab

UIAA 101, EN 892



Ion R™ 9.4 mm

At 9.4 mm, this mid-diameter rope is a favorite for its smooth and comfortable-handling sheath. Available with optional DryXP UIAA Certified Water Repellent treatment.


Olive Drab

7 colors available (1 shown)

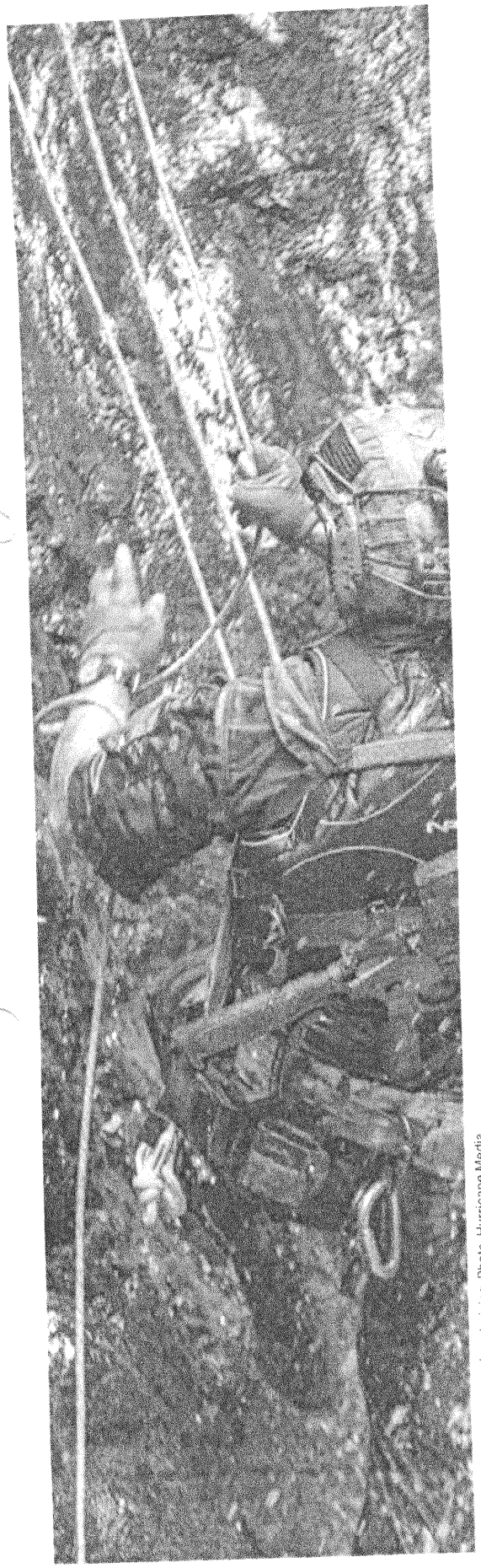
UIAA 101, EN 892

NEW HollowBlock2 - Black

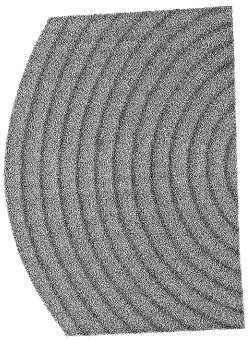


Our bestselling friction hitch and autoblock has been redesigned with a stronger aramid fiber. The 6.8 mm HollowBlock2 is made of 100% Technora® fiber for increased abrasion resistance and improved durability. It's gripping ability comes from the unique hollow-braid construction, for use as a prusik or Klemheist knot on ropes 7 mm or larger. *MBS Rating (lb): 3,147 / MBS Rating (kN): 13.0* **See technical specs on page 41.**

Technical Specifications	Nano IX	Ion R	Aero
UIAA Certification	Single | Half | Twin	Single	Single | Half | Twin
Diameter (mm)	9.0	9.4	9.2
Weight (g/m)	52	57	56
Impact Force (kN)	8.5 | 6.6 | 10.4	8.7	8.5
Dynamic Elongation (%)	33.1 | 27.6 | 25.3	33.1	33.4
Static Elongation (%)	7.0 | 7.0 | 3.6	7.2	7.7
Sheath Percentage (%)	29	39	41
UIAA Falls	6 | 16 | >20	6	7 | 21 | 20
Dry Treatment	DryXP	DryXP Optional	DryXP Optional
Bicolor or Bipattern Available	Bicolor: 60, 70 m	-	Bicolor: 60, 70, 80 m
Certification	EN 892 UIAA 101	EN 892 UIAA 101	EN 892 UIAA 101
Lengths Available	30, 40, 50, 60, 70, 80 m	40, 50, 60, 70, 80 m	50, 60, 70, 80 m



Rappelling during jungle operations training. Photo: Hurricane Media.



Velocity™ 9.8 mm

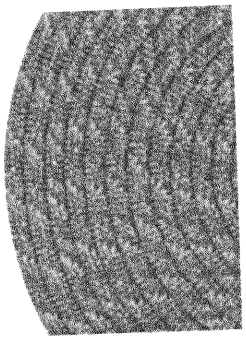
Our flagship rope is a near perfect balance of durability, impact force, smooth handling and low weight for its diameter. Available with optional DryXP UIAA Certified Water Repellent treatment.

9 colors available (1 shown)

UIAA 101, EN 892



Olive Drab



Marathon Pro 10.1 mm

Well-built but not overbuilt, the Pro is an all-around rope with a super-durable sheath that excels in rugged environments. Dry treatment optional.

9 colors (3 shown)

UIAA 101, EN 892



Digital Camo



Olive Drab

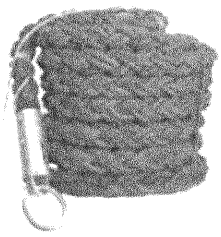


Bipattern Digital Camo

Technical Specifications	Velocity	Marathon Pro
UIAA Certification	Single	Single
Diameter (mm)	9.8	10.1
Weight (g/m)	62	63
Impact Force (kN)	8.8	8.9
Dynamic Elongation (%)	28.8	35.3
Static Elongation (%)	8.6	8.5
Sheath Percentage (%)	35	42
UIAA Falls	6	6
Dry Treatment	DryXP Optional	Dry Optional
Bicolor or Bipattern Available	-	Bipattern: 60, 70 m
Certification	EN 892 UIAA 101	EN 892 UIAA 101
Lengths Available	35, 40, 50, 60, 70, 80 m	50, 60, 70, 80 m

See full specifications for all dynamic ropes starting on page 54

FAST ropes and other dynamic ropes:



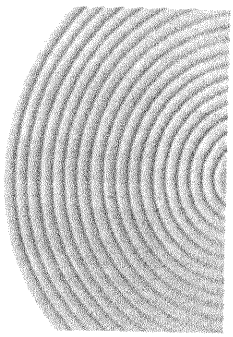
FAST Ropes are available in several different configurations to accommodate different airframe attachments and user requirements. For more information on our FAST ropes and full range of dynamic ropes available in Camo and Olive Drab, please give us a call at 1-800-788-7673.

Fire Ropes

Purpose-built for crucial moments

Unlike the rest of our products, we developed our Fire Escape Ropes with the hope that they never get used. But, if they are needed, it's our job to make sure they work flawlessly without question. Most of our Fire Escape Ropes use high performing aramid yarns, such as Technora® in unique, small diameter constructions to achieve resistance to abrasion, chemicals and extreme heat. We have also assured that they can be stored compactly and handled easily if the need should arise.

We hope you never have to use these products. But if you do, know that a split-second decision to deploy your rescue rope is backed up by countless hours of R&D, testing and US-made quality construction.



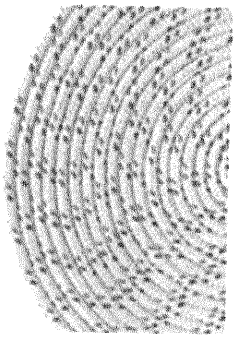
FireTech2™

An improved construction on the popular FireTech makes the FireTech2 slightly lighter weight and gives it a softer hand. Compatible with F4™ and new FCX™ descent devices.


Natural Technora

NFPA 1983: Fire Escape

FireTech™ was the fire rope chosen by FDNY and is considered the standard for all fire escape ropes.

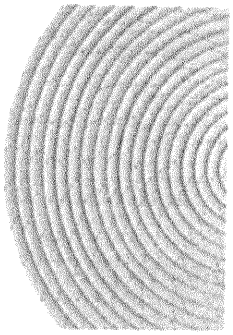


EscapeTech™

The most compact certified escape rope available. The nylon core construction allows for easy packing into a bag or pocket and easy payout. Compatible with F4 Descent Device.


Black/Red Tracer

NFPA 1983: Fire Escape

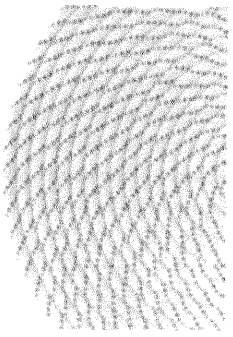


SafeTech™

A Technora sheath is resistant to high heat, chemicals and abrasion, while the core provides strength, gear compatibility and better elongation to reduce anchor loads. Compatible with FCX and F4 descent devices.


Orange Tracer

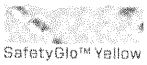
NFPA 1983: Fire Escape



8 mm PER

A compact, lightweight and 100% nylon rope is a great economical option for escape operations. Also available in 8 mm PER SafetyGlo™ that features a reflective tracer in the sheath. Compatible with FCX and F4 descent devices.


Orange


SafetyGlo™ Yellow


Yellow


Black

NFPA 1983: Escape

Escape Ropes

NFPA 1983 Requirements for Escape Ropes: Minimum tensile strength of 13.5 kN. Elongation of at least 1% at 10% of the MBS. Diameter no smaller than 7.5 mm and no larger than 9.0 mm. Sewn eyes shall have a minimum breaking strength of at least 85% of the strength of the rope, OR shall have an MBS of not less than 13.5 kN. Fiber cannot melt at less than 400°F.

NFPA 1983: 2017 Requirements for Fire Escape Ropes: The ropes must hold 300 lb for 5 minutes at 725°F and must hold for 30 seconds at 1112°F.

Escape ropes are available in Fire Escape Kits on page 35

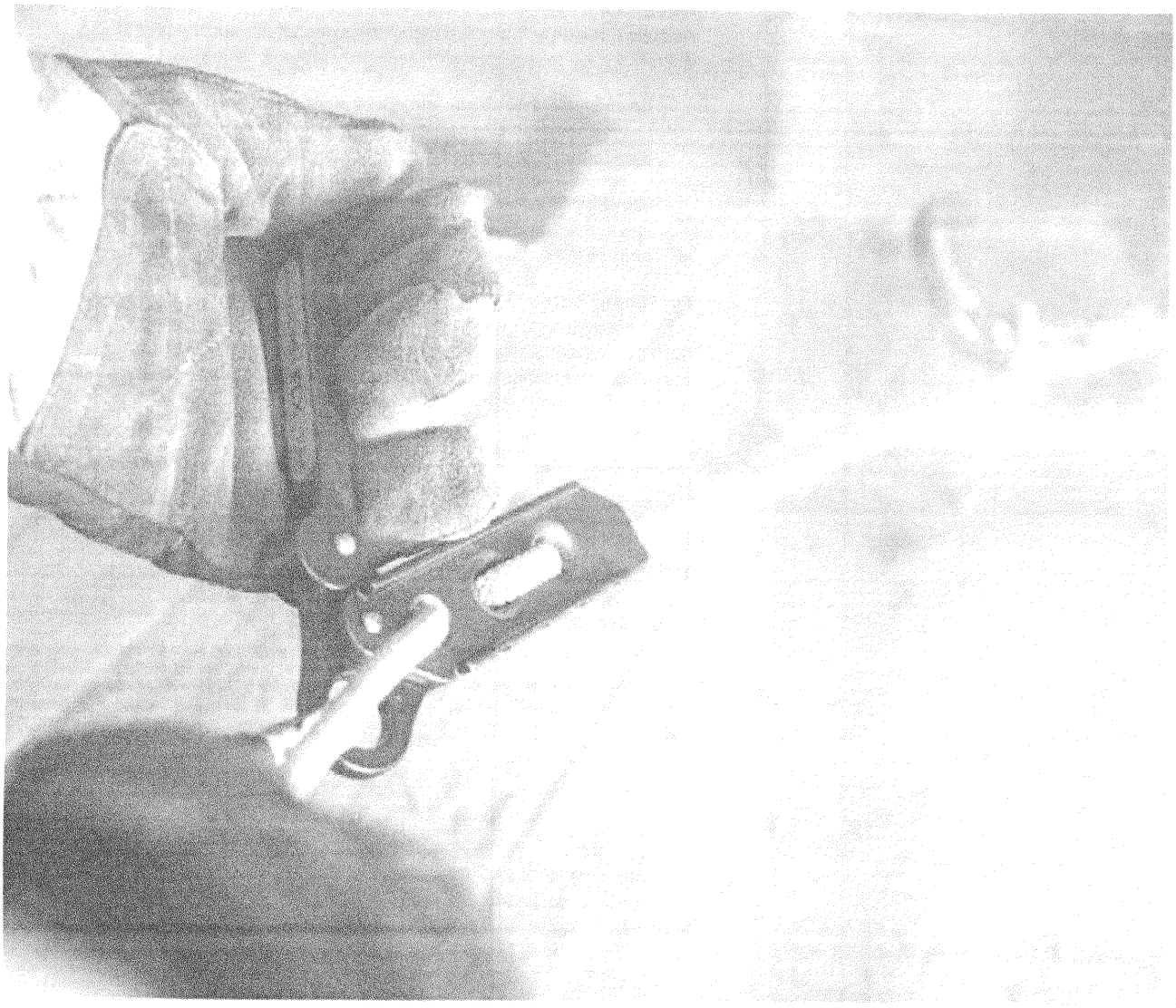
Sterling Escape ropes are certified to **NFPA 1983:**

FireTech2	**Fire Escape**
EscapeTech	**Fire Escape**
SafeTech	**Fire Escape**
8 mm PER	**Escape**

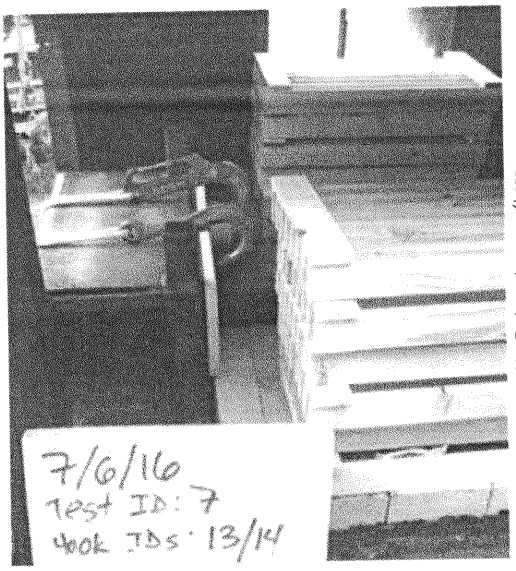
If you need help choosing the right escape rope or to get more information regarding demos and evaluations, contact us today.

Technical Specifications	FireTech2™	EscapeTech™	SafeTech™	8 mm PER
Diameter (mm)	7.5	7.5	8.0	8.0
Weight (lb/100')	4.2	2.8	2.8	2.8
Weight (lb/50')	2.1	1.4	1.4	1.4
MBS Rating (lb)	5,732	3,911	4,383	3,484
MBS Rating (kN)	25.5	17.4	19.5	15.5
ABS (lb)	6,546	4,657	5,322	4,504
ABS (kN)	29.1	20.7	23.7	20
Elongation at 300 lb (%)	1.6	5.8	6.3	7.4
Core/Sheath	Technora/Technora	Nylon/Technora	Nylon/Technora	Nylon/Nylon
NFPA Elevated Temp Test @ 400c	>5:30	>5:30	>5:30	-
NFPA Elevated Temp Test @ 600c	>1:27	>1:28	>1:22	-
Certification	NFPA 1983 (FE)	NFPA 1983 (FE)	NFPA 1983 (FE)	NFPA 1983 (E)
Lengths Available	40, 50, 150, 200, 300, 600' | 12, 15.5, 46, 61, 92, 183 m	40, 50, 200, 600' | 12, 15.5, 61, 183 m	40, 50, 150, 200, 300, 600' | 12, 15.5, 46, 61, 92, 183 m	40, 50, 150, 200, 300, 600' | 12, 15.5, 46, 61, 92, 183 m

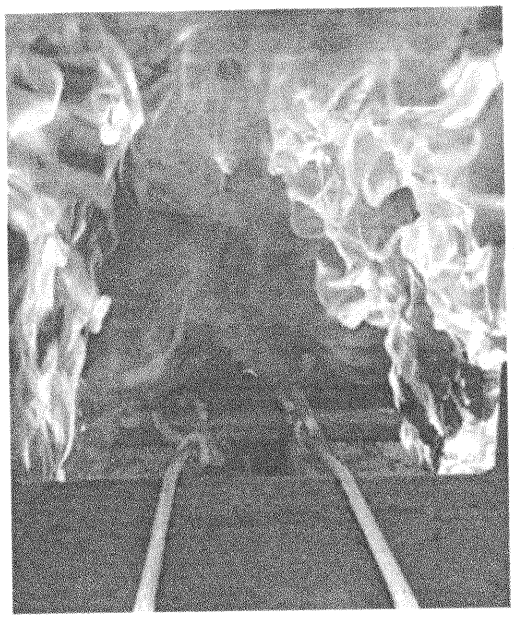
ABS=Average break strength, MBS=Three-sigma minimum break strength



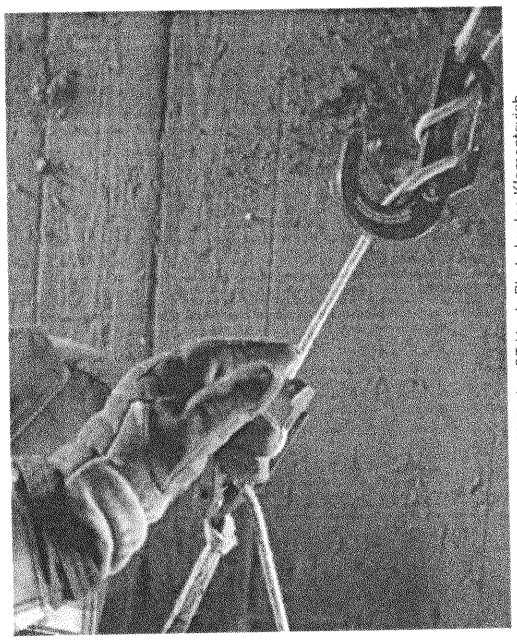
FireTech2 and FCX during bailout exercises. Photo: Joe Klementovich



Firebox setup. Photo by Mike Forbes at ropecraft.org.



Firebox in use. Photo by Mike Forbes at ropecraft.org.



FCX with Remote Anchor Lightning GT Hook. Photo by Joe Klementovich.

Escape Systems Testing

Fire escape systems present unique challenges when it comes to testing. We developed specialized testing procedures designed to simulate real fire conditions: high heat, rollover and flashover. We subjected our anchor hooks and escape ropes to these conditions for a set period of time or until failure.
Find our Escape Kits and Systems starting on page 34.

Fire Test Setup Configurations

Hook Types Tested: Lightning GT™ (machined aluminum) and Crosby® (forged steel)

Rope Types Tested: 7.5 mm FireTech2™ (100% Technora®) and 8.0 mm PER (100% nylon)

System Tension: All tests were set up with a 300-lb load on each rope.

Test Temperature Goal: 1200°F for the test "room" environment, though the temperature varied by actual location.

Anchor Location: In accordance with personal escape system guidelines, we tested systems with two anchor locations:

- **Remote Anchor:** Simulated placement inside the room of the burning building, akin to wrapping system around a pipe or some other in-room anchor point.
- **Window Sill:** Attaching the hook directly to the window sill, relying on the tip of the hook to dig into the sill in order to secure the position.

Fuel Load: Tests were run with three different dry wood fuel loads: Small, Medium and Large. While these three loads were designed to burn at approximately same maximum temperature, the larger the fuel load, the faster the max temperature was achieved and the longer it was sustained. Large load is the worst-case fire scenario.

Takeaways from this testing procedure

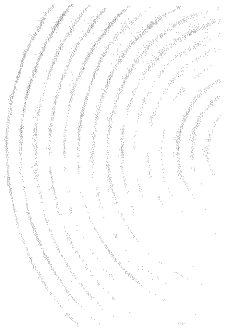
- No failures occurred prior to nine minutes during any test.
- Remote anchors failed sooner than sill anchors: they are exposed to more heat and direct flame.
- No Technora ropes failed when the hook was anchored at the sill.
- Aluminum hooks can begin to twist in the remote anchor configuration; however, no hook failed during any test.
- For full test results, please visit SterlingRope.com.

Escape Kits and Systems start on page 34

Search Ropes

Designed for search; built to perform

We know that different and challenging situations arise during fire operations. That's why Sterling was the first to use high heat resistant fibers such as Technora® and Twaron®, as well as to incorporate reflective yarns into the sheath. Our experience creating ropes with these specialty materials results in search lines that have optimal handling, high strength and great resistance to heat and abrasion.

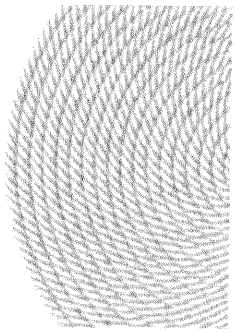


RIT 900™

Hollow braid construction packs easily into a pocket or bag, can withstand up to 932˚F and also resists abrasion and chemical damage.



Natural Twaron®

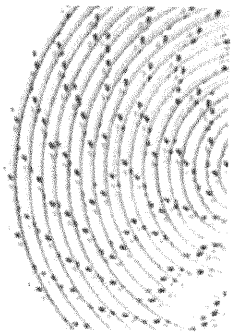


SearchLite™

Developed for FDNY and used for search operations, SearchLite's innovative construction uses reflective fibers to increase visibility. Technora and nylon blended core enhances strength while reducing the chance of failure due to melting.



Yellow w/ Reflective



RIT Response™

The flexibility of this heat-resistant rope facilitates packing and deployment, while the diameter allows it to be located and handled with gloved hands in low visibility conditions.



Black / Orange Tracer

SearchLite rope available in the **FDNY Large Area Search Kit**; see page 37

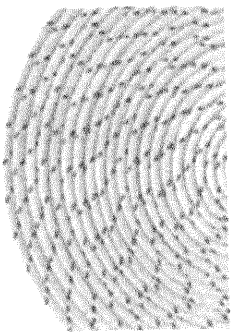
Technical Specifications	RIT 900™	SearchLite™	RIT Response™
Diameter (mm)	6.8	7.5	9.0
Weight (lb/100')	1.8	2.2	4.2
MBS Rating (lb)	4,136	3,012	6,968
MBS Rating (kN)	18.4	13.4	31.0
Elongation at 300 lb (%)	2.6	1.6	1.9
Core/Sheath	None/Twaron	Nylon & Technora/Nylon	Polyester/Twaron
Lengths Available	39, 50, 150, 200, 300, 600, 660' 12, 15.5, 46, 61, 92, 183, 200 m	50, 200, 220' 15.5, 61, 67 m	150, 200' 46, 61 m

MBS=Three-sigma minimum break strength

Water Rescue Ropes

Unique materials excel in wet environments

Swift water, ice and flooded environments present difficult challenges for rescue personnel. Our ropes perform in these harsh conditions with strength and optimal flotation. We manufacture our throwlines and water rescue ropes with the same precision and quality that we do with all of our life-safety ropes. We developed these ropes using only the best quality and highest tenacity polypropylene, nylon and Spectra® fibers.

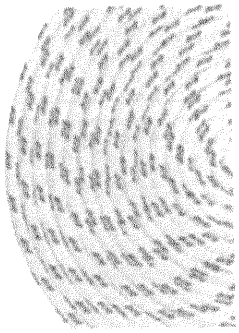


1/4" UltraLine™

Integrates a high-strength, braided Spectra core with a polypropylene sheath for superior strength over standard float ropes. Maintains trouble-free handling characteristics and buoyancy.



Yellow + Blue Tracer

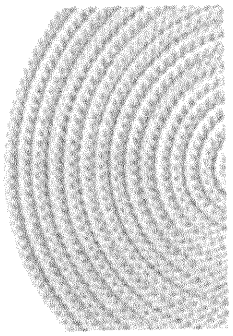


3/8" UltraLine™

The same high-strength, braided Spectra core with a polypropylene sheath built into a larger diameter for gripping with gloves or larger hands.



Yellow + Red Tracer



3/8" Grabline™

A "tread-like" sheath pattern gives both rescuer and victim extra gripping power while also providing buoyancy. The nylon core adds strength and keeps the rope flexible for throw bag storage and deployment.

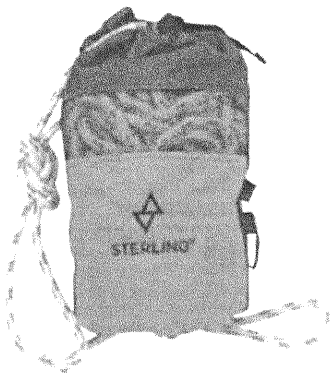
NFPA 1983: Throwline



Yellow + Orange

Sterling WaterLine and GrabLine ropes are certified to **NFPA 1983**

3/8" WaterLine	**Throwline**
3/8" GrabLine	**Throwline**

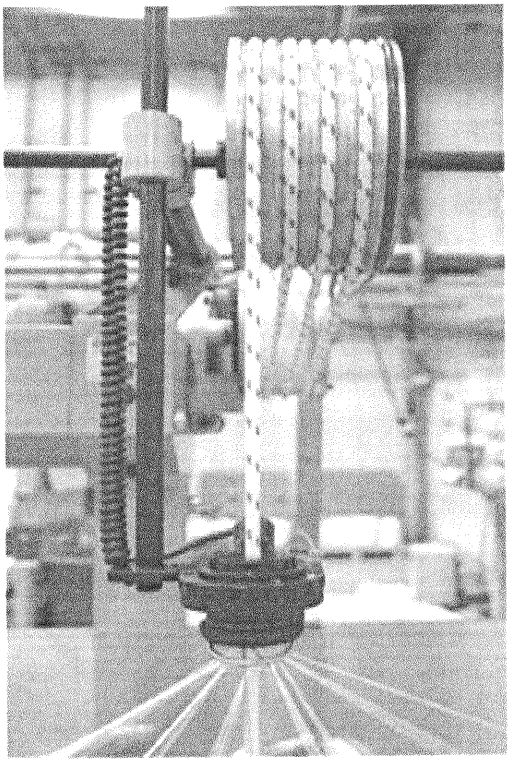


Water Rescue Throwbag

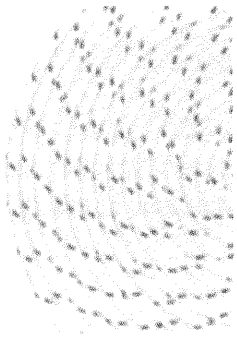
A vital piece of safety equipment for swiftwater and flood rescue. Holds 75 feet of 3/8" WaterLine, GrabLine or UltraLine.

Technical Specifications	1/4" UltraLine	3/8" UltraLine	3/8" Grabline
Diameter (mm)	6.5	9.5	9.5
Weight (lb/100')	1.3	2.6	3.1
Weight (g/m)	19.3	38.7	46.1
MBS Rating (lb)	2,495	5,237	3,282
MBS Rating (kN)	11.1	23.3	14.6
Elongation at 300 lb (%)	1.4	1.2	4.2
Core/Sheath	Spectra/Polypropylene	Spectra/Polypropylene	Nylon/Polypropylene
Certifications	-	-	NFPA 1983 (TL)
Lengths Available	75, 150, 200, 300, 600, 660' 23, 46, 61, 92, 183, 200 m		75, 300, 600, 660' 23, 92, 183, 200 m

MBS=Three-sigma minimum break strength

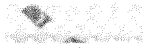


3/8" WaterLine

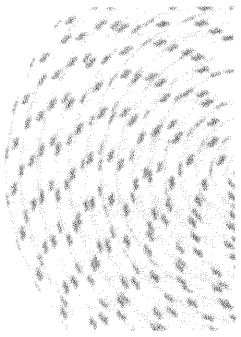


5/16" WaterLine™

A highly buoyant rope provides rescue personnel with a range of options to meet their specific needs. Ideal for swift water, flood, and ice rescue applications.



Yellow + Blue Tracer



3/8" WaterLine

Constructed with nylon and Polypropylene and UL certified to NFPA as a throwline for swift water, flood and ice rescue.

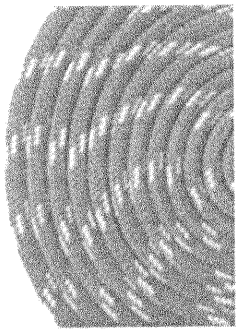
NFPA 1983: Throwline



Red + Yellow Tracer



Yellow + Red Tracer



7/16" WaterLine

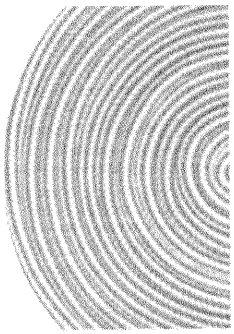
The same buoyancy and strength characteristics built into a larger diameter, making it easier to grip.



Red + Yellow Tracer



Yellow + Red Tracer



1/2" WaterLine

The largest diameter water rescue rope we make, the 1/2" is made from braided Polypropylene in the core and sheath for maximum buoyancy and easy gripping.



Red/Yellow

Technical Specifications	5/16" WaterLine	3/8" WaterLine	7/16" WaterLine	1/2" WaterLine
Diameter (mm)	8.0	9.5	11.0	12.5
Weight (lb/100')	2.1	3.3	4.3	5.2
Weight (g/m)	31.2	49.1	64.0	77.4
MBS Rating (lb)	1,596	3,416	4,271	5,754
MBS Rating (kN)	7.1	15.2	19.0	25.6
Elongation at 300 lb (%)	7.0	4.2	2.6	1.8
Core/Sheath	Nylon/Polypropylene	Nylon/Polypropylene	Polypropylene/ Polypropylene	Polypropylene/ Polypropylene
Certifications	-	NFPA 1983 (TL)	-	-
Lengths Available	75, 150, 200, 300, 600, 660' | 23, 46, 61, 92, 183, 200 m			

MBS=three-sigma minimum break strength

Kits and Systems

Quality components are the backbone of any kit or system, and Sterling has been making the best for over 25 years. By choosing a Sterling kit or system, you can be certain that the components will perform flawlessly together, saving time and effort regardless of the job at hand. See page 50 to schedule your next training at the Sterling Training Center.

Kit/System	Standard	Usage
NEW AZTEK HD page 29	NFPA 1983: G (w/o carabiners)	Heavy-duty mechanical advantage rigging w/ increased durability and cut-resistance
AZTEK Elite System page 28	NFPA 1983: G (w/o carabiners)	Mechanical advantage rigging and hauling, victim pickoffs and aerial rescue
AZTEK Elite NFPA-G System page 29	NFPA-G (with steel carabiners)	Mechanical advantage rigging and hauling, victim pickoffs and aerial rescue
AZTEK Elite Arbor System page 28	NFPA 1983: G (w/o carabiners)	Light duty rigging, hauling, and cabling, and aerial rescue
AZTEK Elite Tactical System page 28	NFPA 1983: G (w/o carabiners)	Mechanical advantage and aerial rescue for military and SWAT operators
Pocket Hauler Kit page 30	-	Light duty rigging, hauling, and cabling, and aerial rescue
NEW Mini Hauler page 30	-	Lightweight, compact hauler for small jobs
FCX Bucket Evacuation System page 31	ANSI Z359.4	Low-profile self-evacuation kit
Tower Rescue Kit page 31	-	Tower and fall protection rescue for two-person use
Tree Pulling Kit page 32	-	Powerful mechanical advantage for rigging and hauling
Pico Crevasse Rescue Kit page 32	-	Compact, 5:1 mechanical system for mountain rescue scenarios
NEW PDQ2 System page 33	ANSI Z359.4	Lightweight single-person tower evacuation
NEW Raise & Rescue Elite page 33	-	The lightest mechanical progress capture system for fast and secure partner or victim rescues.

AZTEK™ Systems

Powerful and versatile complete rescue systems

A unique, multifunctional system, the AZTEK is a simple and versatile tool for mechanical advantage rigging. The system has numerous uses, including as an adjustable high directional for a belay line, pickoffs and aerial rescue, and for litter scoop rigging and attendant tether, among others. The opposite end of the rope functions as an individual edge restraint system utilizing the included travel restraint and screwlink. The AZTEK Omni Block pulleys keep loads oriented correctly when tensioned. The system is easily transported or swapped between users thanks to its accessible pouch-style carry case.

Sterling offers four AZTEK Elite Systems:

AZTEK Elite: 2 aluminum SafeD carabiners lighten the system for mountain rescue applications with an end-to-end strength of 6,295 lbs.

AZTEK Elite Arbor: 2 Falcon with Talon AL carabiners and does not have the edge restraint and screwlink.

AZTEK Elite NFPA-G: 2 Sterling Steel autolock carabiners offer high strength and G-rated certification and end-to-end strength over 8,000 lb.

AZTEK Elite Tactical: 2 black aluminum Hawk autolock carabiners match up with the black pulleys and sewn cord for military and SWAT operators.

AZTEK Elite NFPA-G Kit

Kit Includes:

(1) AZTEK Omni Block Swivel Pulleys (quantity in kit=2)
Each block is machined from high-strength aluminum for maximum strength and has an industrial-strength swiveling eye to eliminate rope twist. **MBS: 8,093 lb, EN 12278**

(2) 50' of 8 mm Edge Restraint with Sewn Eye
High-strength, supple cord designed specifically for the AZTEK system. The 50-ft cord features a sewn eye for clean and secure attachment to the pulley. **MBS: 3,147 lb**

(3) 6 mm Sewn Ratchet Prusiks (quantity in kit=2)
Two prusiks allow progress capture from either end.

(4) SafeD™ Carabiner
Aluminum with removable captive eye pin for connecting Edge Restraint to Anchor. **MBS: 6,295 lb**

(5) Steel Carabiner (quantity in kit=2)
Forged steel alloy in an asymmetrical D-shape for ease of use and incredible strength. Screwlock or autolock available. **MBS: 10,116 lb (major axis), NFPA 1983: General**

(6) 8 mm Steel Screwlink
Attaches Travel Restraint to harness.

(7) 6 mm Travel Restraint
Adjustable sewn cord tied in purcell configuration, attaches rescuer to the Edge Restraint cord and allows them to safely work along the edge.

(8) AZTEK Carrying bag
Dual compartments for separating pulley system and Edge Restraint cord.

Weight: 3.8 lb / **MBS:** 8,093 lb (NFPA - General version)



System Certification **NFPA 1983: General Use Auxiliary System** (w/o carabiners)

NEW AZTEK HD

The AZTEK HD takes this simple and versatile mechanical advantage rigging tool to the next level, with increased durability and cut resistance.

For those operating in the most severe environments, this iteration of our popular AZTEK features the extremely durable 8 mm SafeTech™ cord for the edge restraint. The nylon core offers the right amount of give and packability, and is protected from abrasion and cutting by the Technora® sheath. This combination ensures you have the best blend of abrasion resistance, flexibility and resistance to flex fatigue.

The ratchets and travel restraint are made with a specialized 6 mm cord, that also uses the durable nylon/Technora construction featured in the edge restraint. Colored tracers in each ratchet offer convenient color coding for connecting to the appropriate block.

Weight: 3.8 lb / **MBS:** 36 kN

KIT INCLUDES:

(1) 2 AZTEK Omni Block Swivel Pulleys

(2) 50' of 8 mm SafeTech Edge Restraint

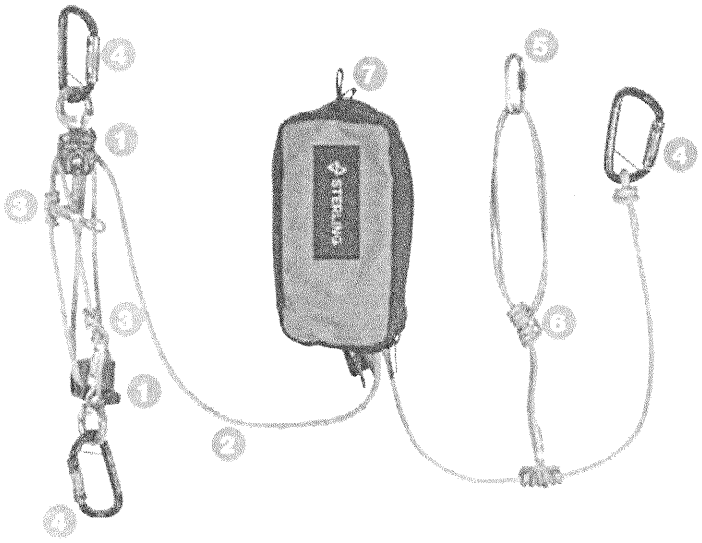
(3) 2 6 mm Sewn Ratchet Prusiks

(4) 3 SafeD Twistlock Carabiners

(5) 8 mm Steel Screwlink

(6) 6 mm Travel Restraint

(7) AZTEK HD Carrying Bag



System Certification **NFPA 1983: General Use Auxiliary System** (w/o carabiners)

Pocket Hauler Kit

Mechanical advantage in a compact package

Don't be fooled by the Pocket Hauler's compact appearance. With our low-stretch 8 mm Edge Restraint cord, this kit is ideal for light-duty rigging, tensioning lines, adjusting directionals, positioning, piggyback hauling systems or as a rescue system, and can be set up as a 4:1 or 5:1.

Weight: 3.4 lb / **MBS:** 4,946 lb

Kit Includes:

(1) SR Mini-Double pulleys (quantity in kit=2)
Machined aluminum pulleys are prusik-minding and provide efficient mechanical advantage. **MBS: 4,946 lb, EN 12278**

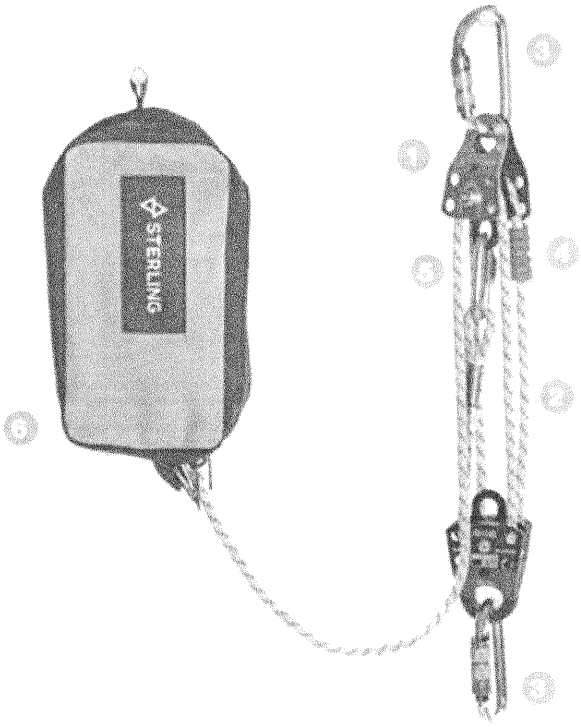
(2) 50' of 8 mm cord with sewn eye

(3) Hawk™ autolock carabiners (quantity in kit=2)
Asymmetrical D-shaped carabiner made from high-quality aluminum. **MBS: 6,295 lb, EN 12275**

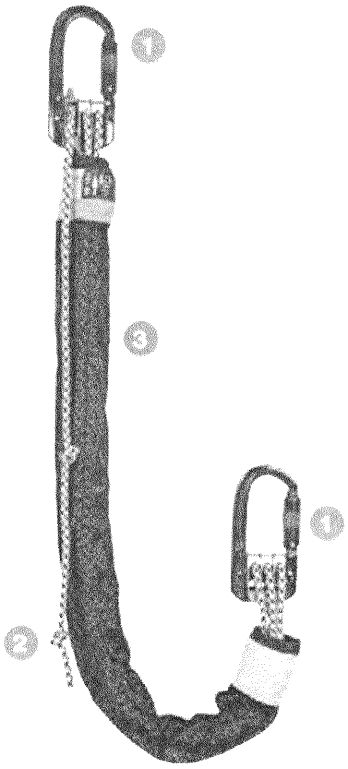
(4) 6 mm sewn ratchet prusik

(5) 8 mm Screwlink

(6) Carrying bag
Dual compartment for separating the pulley system and Edge Restraint cord.



NEW Mini Hauler



Light and easy to use for small jobs

This system is lightweight, compact and simple to use. The HaulerBiners create a 6:1 or 7:1 mechanical advantage and the progress capture camming unit allows for secure raising and easy lock off. The mesh sleeve surrounding the 6 mm cord prevents tangling during storage and deployment.

Load rated for 140 kg (310lbs)
1 m (3.3 ft) length
MBS: 1,142 lb

Kit Includes:

(1) HaulerBiners (quantity in kit=2)

(2) 6 mm cord

(3) Mesh Sleeve

The Mini Hauler is used with the **Raise and Rescue Elite.** See page 33

FCX™ Bucket Evac System

A lightweight self-evacuation kit

The FCX Bucket Evac Kit is a compact, emergency egress system beneficial for utility personnel or arborists working alone in a lift. This kit features our FCX Descent Control Device with smooth modulation for easy control with one hand as well as a spring-loaded handle that stays out of the way until loaded. When paired with the SafeTech Escape Rope, this kit provides speedy evacuation when needed most.

Weight: 3.95 lb

Kit Includes:

(1) FCX Descent Control Device
Autolocking device with anti-panic function.

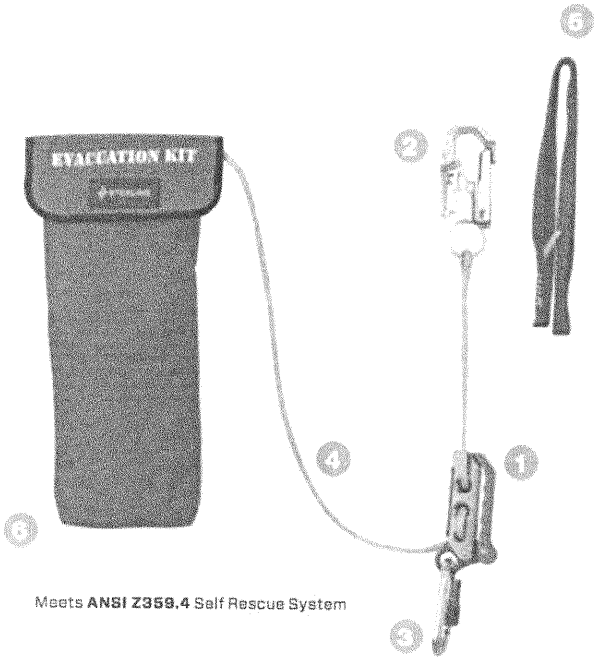
(2) ANSI Snaphook
A double action snaphook made from steel. **MBS 4,491 lb, ANSI Z359**

(3) ASD w/ Pin Carabiner
Aluminum D-shaped carabiner with a 3,600 lb gate and threaded captive eye pin.

(4) 75' of 8.0 mm SafeTech Escape Rope
Technora sheath and a nylon core for strength, durability and heat resistance.

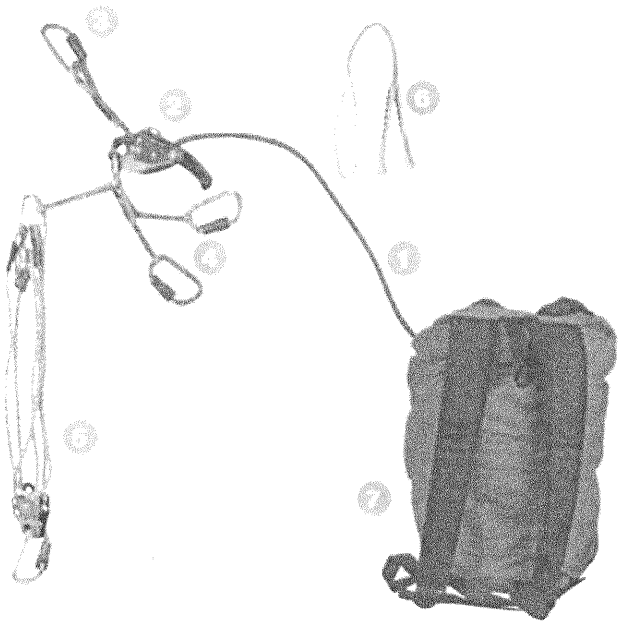
(5) 24" 11/16" Nylon Sling

(6) Water-resistant, durable low-profile storage bag



Meets **ANSI Z359.4** Self Rescue System

Tower Rescue Kit



Simple and effective two-person rescue kit

The Tower Rescue Kit provides a complete solution for rescue of an incapacitated tower climber or other person working at height. Built on a foundation of our 11 mm HTP, this kit includes the ANSI rated D4 autolocking descender and rugged anchor sling.

The kit also features a unique textile spreader bar which allows for easy attachment to harnesses with hip rings, but no ventral attachment point.

A prebuilt mini-haul system allows for easy transfer from a fall arrest system to the descending system.

Weight: 22.4 lb for 249' rope in kit

Kit Includes:

(1) 7/16" HTP with sewn eye
(length depends on kit)

(2) D4 Descender

(3) ASD w/Pin Carabiner
Aluminum D-shaped carabiner with a captive eye pin.
MBS: 6,744 lb, NFPA (T), ANSI Z359

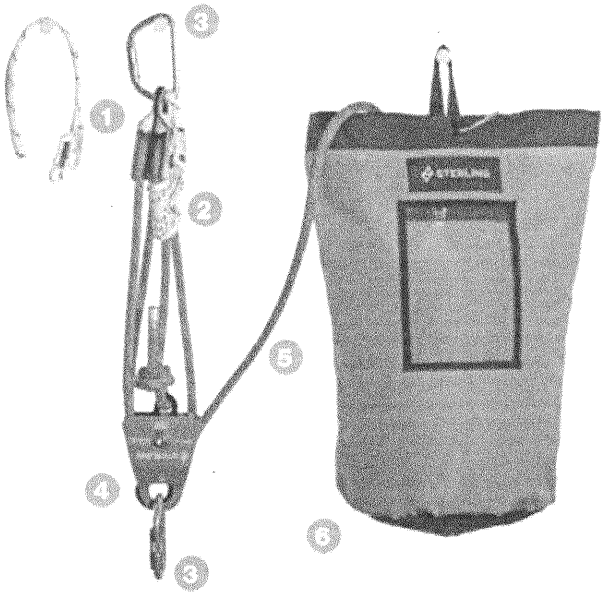
(4) Soft Spreader Bar
with ANSI carabiners, and attachment connection

(5) 4:1 Mini Haul

(6) Anchor Sling
48" Rabbit Runner, Type 9800

(7) Storage and Carrying Bag

Tree Pulling Kit



For powerful rigging setups

Our Tree Pulling Kit provides superior mechanical advantage for big rigging jobs. Stocked with components ideal for setting up tensioning lines, tree-felling operations or speed lines, this progress-capturing system handles burly rigging operations where you need power on your side. With quick precision, you can configure the components to accomplish a 3:1, 4:1 or 5:1 mechanical advantage to get the job done. Available with or without a rope and bag.

Weight: 17.8 lb (w/bag) / **MBS:** 5,418 lb

Kit Includes:

(1) RIT 9 mm Eye and Eye (36")

(2) RIT 9 mm Bound Loop Prusik (16")

(3) Steel AL Carabiners (quantity in kit=2)
Forged steel alloy in an asymmetrical D-shape for ease of use and incredible strength. **MBS: 10,116 lb (major axis), NFPA 1983: General**

(4) SR PMP2 Pulleys (quantity in kit=2)
Double Prusik Minding Pulley. Extremely high-strength and ideal for use in haul systems. They are designed to provide efficient progress capture and are compatible with ropes up to 13 mm in diameter.
MBS: 9,892 lb

(5) 150' of 1/2" HTP™

(6) Rope Bag

Pico™ Crevasse Rescue Kit

5:1 Mechanical Advantage Kit

This 5:1 pulley system is compact for quick storage and transport, and can be easily deployed for reliable and safe rescue scenarios.

Weight: 2 lb / **MBS:** 3,596 lb

Kit Includes:

(1) 15.5 m of 6 mm TRC™ Cord w/ sewn eye

(2) Pico™ Double Pulleys (2 in kit)

(3) Osprey™ Oval Screwlock carabiners (2 in kit)

(4) 48" 12 mm Dyneema Sling

(5) 6.8 mm HollowBlock2™

(6) 8.5" 5 mm TRC™ Prusik

(7) Pico Crevasse Bag







NEW PDQ2™ System

Lightweight tower evacuation system

The PDQ2 is Sterling's lightweight evacuation system for use in all work-at-height environments. The PDQ2 descent-control device and the 6 mm XTEC™ heat-resistant Technora® rope form the core of this system whose total weight is under 10 lb. Rated for a user-load of 310 lb, the fully-assembled kit comes ready for deployment and its slim profile means it can be stored compactly and carried by each technician until needed.



Weight: 8.85 lb / **MBS:** 3,147 lb

System Includes:

(1) PDQ2 Descent Device
Autolocking, precision-machined aluminum device features an asymmetric cam with anti-panic capabilities. **ANSI Z359.4**

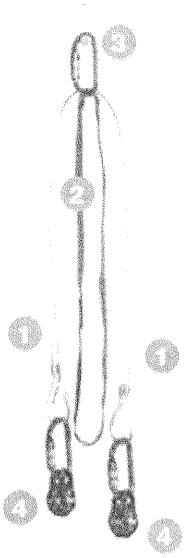
(2) XTEC rope with sewn eye termination
This 6 mm cord is 100% Technora® in the sheath and core and is heat resistant over 900°F. Available in 100 M (328'), 150 M (492') and custom lengths.

(3) ASD w/ pin carabiners (Quantity in kit = 2)
Aluminum D-shaped carabiner with a 3,600-lb gate and a threaded captive eye pin. **MBS: 6,744 lb (major axis) / NFPA 1983: Technical / ANSI Z359.12**

(4) Waterproof storage bag
Roll-top, low-profile storage bag with shoulder strap.

Raise and Rescue Kit

The addition of the Raise and Rescue Kit converts the PDQ2 to a mechanical advantage system that can be used for simple and efficient victim raising and multidirectional transfers.



Kit includes:

(1) Wire anchor slings (Quantity in kit = 2)

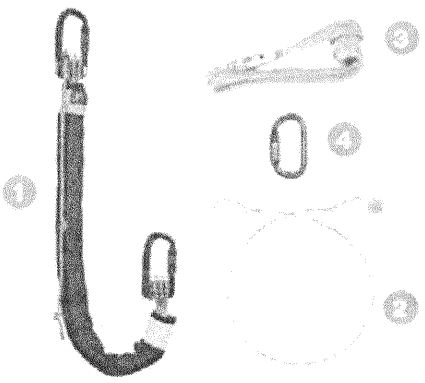
(2) 24" 11/16" Nylon Sling

(3) Osprey™ oval autolock carabiners (Quantity in kit = 4)
Autolocking oval aluminum carabiners. **MBS: 5,171 lb / EN 12275**

(4) Micro Pulleys (Quantity in kit = 2)
Compact, machined aluminum pulleys that work with ropes up to 7/16". **MBS: 5,395 lb / EN 12278**

NEW Raise and Rescue Elite Kit

When paired with the PDQ2 escape system, the Raise and Rescue Elite makes for the lightest, most compact rescue package available. The mechanical progress capture feature allows for secure raising and simple operation, and the mesh sleeve surrounding the 6 mm cord prevents tangling during storage and deployment.



Kit includes:

(1) Mini Haul System

(2) 2 Wire Slings (1 shown)

(3) HollowBlock2

(4) 2 Osprey Autolock Carabiners (1 shown)

Fire Kits and Systems

The go-to choice for personal escape systems

Sterling pioneered the development of escape systems that allow rapid egress and self-rescue. Our escape kits and systems are built on a foundation of our proven ropes. In 2004, Sterling built the first 100% Technora® fire escape rope for FDNY. We now offer many options and configurations to suit the needs of various departments with different call areas. Here you'll find a list of our recommended setups, but if you need something customized to suit a unique set of requirements, contact us for a list of Sterling-approved Training Companies who are familiar with out escape kits and systems.

Our Fire Kits and Systems

*A **system** is a collection of components, certified end-to-end to the NFPA 1983 Standard for Escape Systems.*

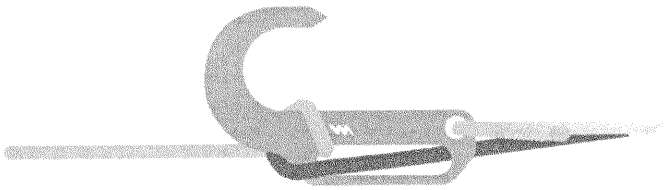
*A **kit** is a collection of individually-certified components combined to perform together.*

Bailout: Rigging a Remote Anchor

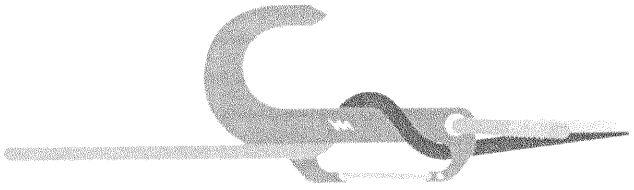
When it comes to exiting an Immediately Dangerous to Life or Health (IDLH) environment, many factors need to be assessed. One primary bailout consideration is the choice of anchor. Though conditions may force the use of a sill anchor, the preferred option is to locate a suitably substantial object for remote anchor placement. In most cases, the closer to the exit point, the better. After an anchor is located, knowing how to secure the rope becomes paramount. Pictured are three options for connecting the rope.



Good
A knot can be used with any connector or hook.



Better
A hook with a hitching slot, such as the Lightning™ Hook, can easily be secured by feeding a bight of rope through the handle and passing it back over the hook itself. Very secure and faster than a knot.

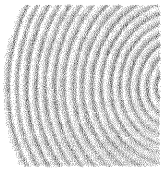


Best
The Lightning GT™ features a unique gated slot on the back side of the hook that allows the rope to be quickly wrapped around the handle two or more times for a secure lock-off. No need to work with extra rope, pass over the device, or tie any knots. Simply click, click and go.

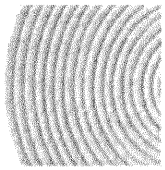
Build a Custom Fire Escape System

1. Choose a Rope

The heart of any escape system is the rope. Sterling's ropes offer the perfect balance of strength, heat resistance, and compatibility with all the components of the escape system.



FireTech2™
NFPA 1983: Fire Escape



SafeTech™
NFPA 1983: Fire Escape

2. Descent Control Device

Safe, controlled descent is critical to escape systems. It's also important that the descent control device is auto locking, easy to use with either hand, and has good modulation characteristics.



FCX™
NFPA 1983: Escape Descent Device

3. Select an Anchor

Hooks have become a popular choice for anchors because they can be placed remotely or secured at a window sill in situations where a remote anchor is not feasible. We offer two versions of our lightweight, machined aluminum Lightning™ hooks and the classic steel Crosby® hook.



Lightning Hook™
NFPA 1983:
Escape Anchor



Lightning GT Hook™
NFPA 1983:
Escape Anchor



Crosby Hook
NFPA 1983:
Escape Anchor

4. Choose Attachments

The escape kit requires a secure connection to the fire fighter's body. Escape harnesses or belts must be lightweight, not create an additional snag hazard and be easy to integrate into turnout gear.

The Bolt Belt was designed to minimize weight and bulk, while still providing a secure, certified escape option. It easily integrates into most turnout pants with little or no modifications to the turnouts.

Extension lanyards are required without an A frame style harness.



Bolt Escape Belt
NFPA 1983: Heat Resistant
Kevlar Escape Belt



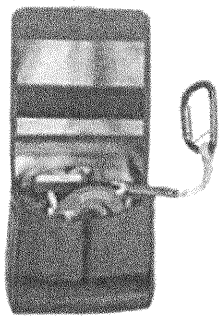
SafeD™ Carabiner
NFPA 1983: Technical



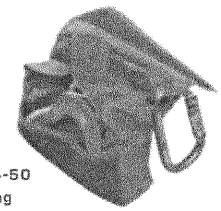
Tech Extension Lanyard™

5. Select a Storage Option

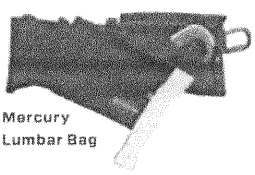
Sterling's three storage configurations allow kits to connect to a harness and be carried in ready-to-use mode. Each of these options store 50' of rope, an anchor hook and descent device.



New FCX FireTech2 Escape System with Lightning Hook.



F4-50 Bag



Mercury Lumbar Bag

FCX™ Escape Systems

With the introduction of the FCX Descent Device and the FireTech2 100% Technora® escape rope, we are now able to offer a wide range of the most advanced personal escape systems available. Our FCX systems are customizable with your choice of escape rope, anchor hook and storage bag. Each of these options comes pre-assembled with SafeD™ carabiners.

Certified Systems Available:

FireTech2 Systems: Certified to NFPA 1983: Escape System

- Crosby Hook with F4-50 Bag
- Lightning GT Hook with F4-50 Bag
- Lightning GT Hook with Escape Kit Pocket Bag (optional Extension Lanyard)

SafeTech Systems: Certified to NFPA 1983: Escape System

- Lightning GT Hook with F4-50 Bag
- Lightning GT Hook with Escape Kit Pocket Bag (optional Extension Lanyard)

(1) Lightning GT

- Ensures proper loading at the sill
- Precision-machined point provides secure penetration to the anchor material
- Can be used for partner/ civilian rescue
- Gated slot can be used to create a remote anchor
- Can be used for partner/ civilian rescue

(2) FCX™ Device

- Click-To-Neutral Feature allows easy horizontal movement and improved payout at the sil
- 7.8 oz
- Elevated side rails eliminate glove interference and rope entrapment
- Automatically locks off when weighted
- Spring loaded handle
- Controlled braking

(3) SafeD™ Carabiner

- Auto-locking aluminum carabiner with 3-stage gate
- Removable captive eye pin keeps carabiner oriented to prevent cross loading

(4) FireTech2

- 100% Technora
- Diameter: 7.5 mm
- MBS: 5,732 lbs

(5) Abrasion Resistant Reinforced Pocket Bag

- Life of expensive turnout gear is extended by eliminating damage caused by hook wear through



Certified to **NFPA 1983**: Escape System

Roof Rescue Kit

Based on the FDNY configuration, this kit offers a top down rescue option for firefighters or civilians who may be stranded at a window during a structure fire. The 100% Technora H3 Tech125 offers the best heat resistance of Sterling's line of Technora ropes and features indicator markings every meter to indicate distance and speed of deployment. The attachment end features a shock pack to limit impact forces on the rescuer and the anchor. The simple-to-use D5 descender controls one- or two-person loads during a pickoff, and the included chafe guard protects against damage at the parapet.

For more information on proper use of this kit, please contact one of our recommended training companies.

Kit includes:

(1) H3 Tech 125 x 125'
with 2 sewn eyes and markers every meter

(2) Kevlar shock pack sewn to one end

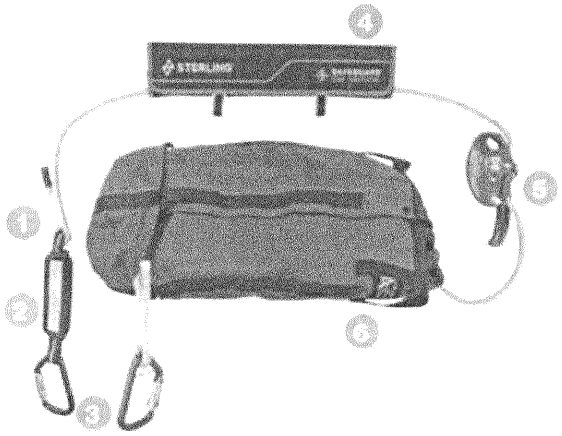
(3) Aluminum NFPA (quantity in kit = 3)
G-rated captive eye carabiners with simple locking gates for ease of operation with gloved hands

(4) SafeGuard rope protector

(5) D5 Descender

(6) Double Ended Rope Bag
For ease of access to both the operational and anchor end

Roof Rescue Kit



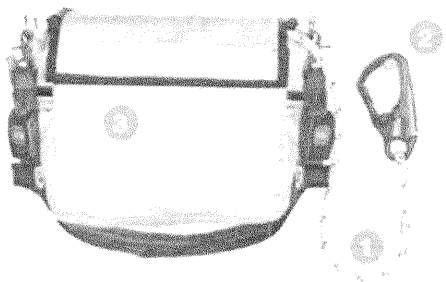
Large Area Search Kits

FDNY Search Kit



Conical distance indicators every 25 feet.

RIT Response Kit



Tools for high-hazard search situations

Search kits are an integral tool for fire departments performing large area search. We've revamped our offerings to include 3 options. The newest kit, the FDNY Search Kit, was built to the exacting specifications of FDNY. This large area search kit comes with conical distance indicators every 25 feet to indicate distance and direction to the exit. The 200 feet of rope is package in a sturdy vinyl bag with quick release shoulder strap and has a large snaphook sewn to the end for easy attachment to a stationary object. The RIT Response Kit and Sterling SearchLite Kit feature a messenger bag with 220 feet of rope and a large snaphook at one end. Rope options are the heat resistant 9 mm RIT Response rope or the 7.5 mm SearchLite with reflective tracers and a nylon/Technora core.

FDNY Search Kit includes:

(1) 200' of SearchLite rope with heat-resistant directional cones

(2) Locking double action Aluminum Swivel Snaphook

(3) Vinyl search bag with quick release buckle

RIT Response Kit and Sterling SearchLite Kits Include:

(1) 220' of heat resistant search rope (RIT Response or SearchLite)

(2) Locking double action Aluminum Snaphook

(3) Search bag with reflective trim.

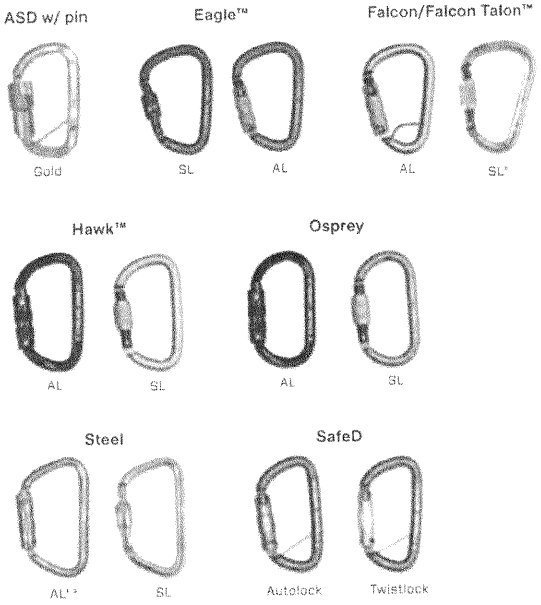
(4) Swivel Snaphook (not shown)

Hardware

Twenty-five years of producing the most innovative, highest quality and best performing life-safety rope and cord gives us unique insight into hardware design, construction and compatibility. Using only the highest quality materials, our hardware is engineered and manufactured with precision to yield products with exceptional performance.

Check out the NEW hardware we've added for 2019!

Carabiners and Snaphooks

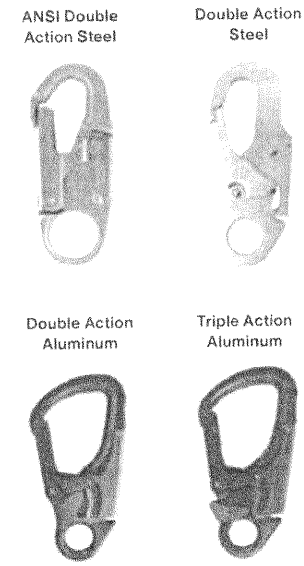


Carabiners

We offer a complete line of carabiners in a wide array of shapes, locking patterns and colors.

Name	Major Axis (lb)	Minor Axis (lb)	Open Gate (lb)	NFPA 1983
ASD w/ pin*°	6,744	3,597	2,023	Yes
Eagle AL	5,620	1,574	1,574	No
Eagle SL	5,620	1,574	1,574	No
Falcon AL	5,620	1,574	1,574	No
Falcon ALT	5,620	1,574	1,574	No
Falcon SL*	5,620	1,574	1,574	No
Falcon SLT	5,620	1,574	1,574	No
Hawk AL	6,295	1,574	1,574	No
Hawk SL	6,295	1,574	1,574	No
Osprey AL	5,171	1,574	1,349	No
Osprey SL	5,171	1,574	1,349	No
SR Steel AL°°	10,116	3,597	4,047	Yes
SR Steel SL	10,116	3,372	4,047	Yes
SafeD TL	6,295	2,473	2,023	Yes
SafeD AL	6,295	2,473	2,023	Yes

* Also available in black
°° Meets ANSI Z359.12



Snaphooks

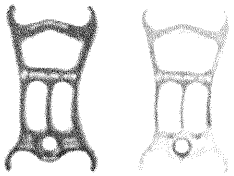
The snaphook provides an eye for permanent attachment of a lifeline or lanyard. Available in steel and aluminum, double or triple-action gate, perfect for customization.

Name	MBS (lb)	ANSI Z359	CE
ANSI Double Action Steel	4,991	Yes	No
Double Action Steel	6,070	No	Yes
Double Action Aluminum	6,070	No	Yes
Triple Action Aluminum	6,070	No	Yes

MBS=Three-sigma minimum break strength

Descent Control and Rigging

ATS™ Device



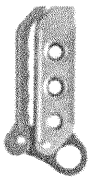
NEW
Steel ATS™



SR R8™



FCX



F4



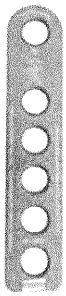
F3



Our rigging and descent control devices all share a few common traits that make them uniquely Sterling: They're simple to use and they're incredibly strong and durable. We've thought through each device's intended use and then stripped away all unnecessary complications that might make a device difficult to use or suffer failures.

Name	MBS (lb)	NFPA 1983	Weight (oz)
ATS™ Device	5,170	-	3.2
Steel ATS™	10,125	-	25
SR R8™	4,945	No	6.4
FCX	3,035	Yes	6.4
F4	3,035	Yes	6.4
F3	3,035	No	4.8
Termination Plate	5,000	-	8.8

MBS=Three-sigma minimum break strength

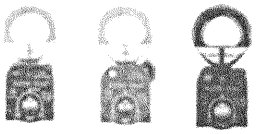


NEW Rope End Termination Plate

End termination plates are used to connect a rope to something without the use of knots or factory terminations. This connector can be used with both Kernmantle rope between 7/16" and 3/4" (11 mm-19 mm) and 5/8" to 3/4" (16 mm-19 mm) three-strand rope. It is rated to 22 kN or 5,000 lb.

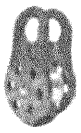
Pulleys

AZTEK Omni Blocks



Blue Orange Black

Micro Pulley



Red

MSP



Blue/Gold

MDP



Red

SR PMP



Silver/Gold

SR PMP2



Gold

SR Rescue Pulley



Black/Gold

Pico Double Pulley



Green

Essential bits of hardware for many rigging applications, our pulleys are designed to integrate with a wide variety of rope types and meet the highest standards for smooth operation and safety.

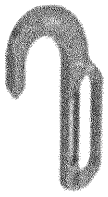
AZTEK Omni Blocks are only sold in pairs.

Name	End-to-end MBS (lb)	Max Diameter (in)	NFPA 1983	CE EN 12278
AZTEK™ Omni Block	8,093	5/16	No	Yes
Micro	5,395	7/16	No	Yes
SR MSP	3,822	7/16	No	Yes
SR MDP	4,946	7/16	No	Yes
SR PMP	8,093	1/2	Yes	No
SR PMP2	9,892	1/2	Yes	No
SR Rescue Pulley	7,194	1/2	Yes	No
Pico™ Double Pulley	- -	11/32	No	No
Single Configuration	4,496			
Double Configuration	6,744			

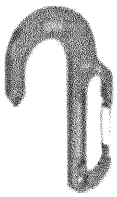
MBS=Three-sigma minimum break strength

Anchors

Lightning



Lightning GT



Crosby Hook



Hooks

Aircraft-grade aluminum and forged steel bring strength and durability to our fire escape hooks. We took the basic Crosby Hook and improved the design, and the Sterling Lightning Hooks are lighter and allow more anchoring options for rapid egress.

Name	MBS (lb)	NFPA 1983
Lightning Hook	3,035	Yes
Lightning GT Hook	3,035	Yes
Crosby Hook	4,945	Yes

MBS=Three-sigma minimum break strength

Beam Trolley



Aluminum Bantam Beamer



Super Slider I-Beam Anchor



Fixed Beam Anchor



NEW I-Beam Anchors

I-Beam Anchors are designed for fall protection, rope access and work positioning. They feature adjustable clamps designed to attach without tools to I-Beams either overhead or underfoot.

Name	Weight (lb)	Beam Flange Width	Breaking Strength	Max User Weight (lb)
Beam Trolley	7.7	3"-10"	5,000	310
Aluminum Bantam Beamer	3.3	3.5"-14"	5,000	310
Super Slider I-Beam Anchor	7.4	12"-30"	5,000	310
Fixed Beam Anchor	6.8	4"-14"	5,000	310

Compliance: ANSI Z359 & CE-EN 795

5k Wire Rope Sling



5k Wire Rope Sling Choker



5k Wire Rope Sling Swivel Ends



NEW Steel Slings

Wire rope slings are excellent temporary and semi permanent ANSI certified anchors. They are available in 3 and 6 foot lengths with various terminations for versatility on the job or in a rescue kit.

Name	Breaking Strength (lbf)
5k Wire Rope Sling	5,000
5k Wire Rope Sling Choker	5,000
5k Wire Rope Sling Swivel Ends	5,000

Compliance: ANSI Z359

Zinc Plated Mega Swivel 5k



Plated Steel Mega Swivel 10k



NEW Swivel Anchors

This permanent or portable anchorage connector can be used for either concrete or steel.

Name	Weight (g)	Breaking Strength (lbf)
Zinc Plated Mega Swivel 5k	386g	5,000
Plated Steel Mega Swivel 10k	544.3g	10,000

Compliance: ANSI Z359 & CE-EN 795

1" Removable Concrete Anchor



3/4" Removable Concrete Anchor



3/4" Toggle Lok Anchor



NEW Removable Anchors

Removable anchors are convenient for use in both concrete or steel and are suitable for use in construction, industrial fields, mining, mountaineering and more.

Name	Size	Weight (lb)	Breaking Strength (lbf)
1" Removable Concrete Anchor	1"	1	10,000
3/4" Removable Concrete Anchor	3/4"	4	5,000
3/4" Toggle Lok Anchor	3/4"	45	5,000

Compliance: ANSI Z359 & CE-EN 795

Cord and Webbing

Sewn Cord





NEW HollowBlock2™ *Now available in Black*

Our bestselling friction hitch and autoblock has been redesigned with a stronger aramid fiber. The 6.8 mm HollowBlock2 is made of 100% Technora® fiber for increased abrasion resistance and improved durability. It's gripping ability comes from the unique hollow-braid construction, for use as a prusik or Klemheist knot on ropes 7 mm or larger. Also available in tan. *MBS Rating (lb): 3,147 / MBS Rating (kN): 13.0*



6 mm AutoBlock

Ideal as a back-up while on long rappels, we constructed our AutoBlock from a durable 6 mm cord sewn into a 13.5-inch loop. The AutoBlock attaches from the harness to the brake-hand end of the rappel rope just below the rappel device and works as a prusik or Klemheist knot. *MBS Rating (lb): 2,810 / MBS Rating (kN): 12.5*



6 mm Purcell

For tricky emergency two or three-point ascending, an adjustable connection point or self-belay, our sewn 6 mm Purcell's strength, durability and adjustability shine. Color-coded lengths provide easy identification. *MBS Rating (lb): 2,810 / MBS Rating (kN): 12.5. Three lengths available: Chest: 20", Short: 42", Long: 68".*



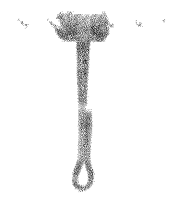
7 mm Bearer Tie-In

The Bearer Tie-In, also known as the Foot-End Spider, is used in sets of 2 and they attach from the foot-end of the litter to the foot-end, set-of-fours, or haul point. These cords are set up as purcells to allow for adjustment on steep angle evacuations. 7 mm x 34" sewn in a bound loop. *MBS Rating (lb): 3,822 / MBS Rating (kN): 17.0*



7 mm Head-End Litter Spider

The Head-End Litter Spider is used in sets of 2 and attach from the head-end of the litter to the haul point. These cords are set up as purcells to allow for adjustment on steep angle evacuations. 7 mm x 68" sewn in a bound loop. *MBS Rating (lb): 3,822 / MBS Rating (kN): 17.0*



8 mm Bound Loop Prusik

Provides progress capture, tandem prusik belay and optimal rope grab for rope rescue. Does away with bulky, time-consuming knots and is stronger with its sewn loop construction. *MBS: 4,496 lb / 16" and 22" lengths. 6 colors (see 8 mm cord on page 45)*

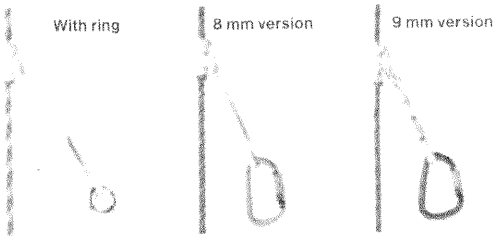
We offer a wide variety of high quality and high performance cordage and cordage devices. Functional and safe cords are indispensable items for various work applications. Each cord we make meets the same high standards we apply to every Sterling product.

Name/Diameter	MBS (lb)	MBS (kN)
HollowBlock2™	3,147	13.0
6 mm AutoBlock	2,810	12.5
6 mm Purcell	2,810	12.5
7 mm Bearer Tie-In	3,822	17.0
7 mm Head-End Litter Spider	3,822	17.0
8 mm Bound Loop Prusik	4,496	20.0

MBS=Three-sigma minimum break strength

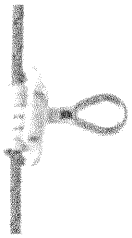
RIT Bound Loop Prusiks

The gold-standard in friction hitch cords are heat resistant, easy to use and come in 8 mm and 9 mm versions. These prusiks offer arborists durable, versatile tools for rigging, climbing and lanyard adjustment. Available with ring. 16" length.



RIT Thimble Prusik

RIT Thimble Prusik: This unique prusik uses RIT 500™ construction with a Twaron® sheath and nylon core for excellent heat and abrasion resistance. The steel thimble offers a clean connection point and provides numerous options for adjustable anchors or connections. **ANSI Z133.**



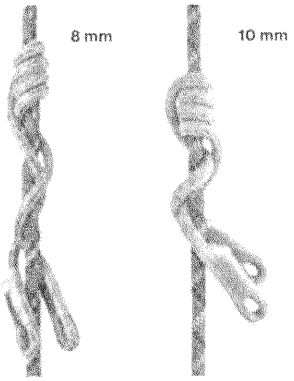
RIT Eye-and-Eyes

Our RIT Hitch Cords provide consistent friction in a wide variety of situations thanks to their tight Twaron sheaths. The 8 mm version is made from our RIT 500™ cord, which provides a firm feel and solid durability. The wider 9 mm is a 24-strand construction made with high-performing, heat-resistant Twaron and offers a softer, more flexible feel without sacrificing strength or grip. **ANSI Z133.** 8 mm: 28", 30" and 32" lengths / 9 mm: 28", 30", 32" and 36" lengths.



Flex™ Hitch Cord

Our newest hitch cords are born from arborists' constant requests for ever more durable gear that is also easy to manipulate in all types of weather conditions. The Flex core is made of ultra-strong and water-resistant polyester fibers surrounded by a blended Technora/polyester sheath that provides solid abrasion resistance with enough bite to hitch firmly onto ropes. **ANSI Z133.** Available in 8 mm and 10 mm: 28", 30" and 32" lengths.



Rope Rod

The Rope Rod is designed to be used as a tether with the Rope Wrench. Triple-layer Technora® hollowbraid construction and computerized stitching make it stiff for advancing the wrench up the rope in SRS tree climbing. 13" length.

Shown with a Rope Wrench as part of an SRS setup.



Name/Diameter	End-to-End MBS (lb)	End-to-End MBS (kN)
RIT Bound Loop Prusiks	5,418	24.1
RIT Thimble Prusik	5,418	24.1
RIT Eye-and-Eyes	6,744	30.0
8 mm Flex™ Hitch Cord	5,418	24.1
10 mm Flex™ Hitch Cord	5,395	24.0
Rope Rod*	5,418	24.1

MBS=Three-sigma minimum break strength
** Straight pull*

Lanyards, Fliplines and Anchors

Name	MBS (lb)	MBS (kN)	Lengths available
TriTech Flipline	5,418	24.1	10, 12, 16'
Tech11 Flipline	5,418	24.1	10, 12'
UP Lanyard	5,418	24.1	10, 12'

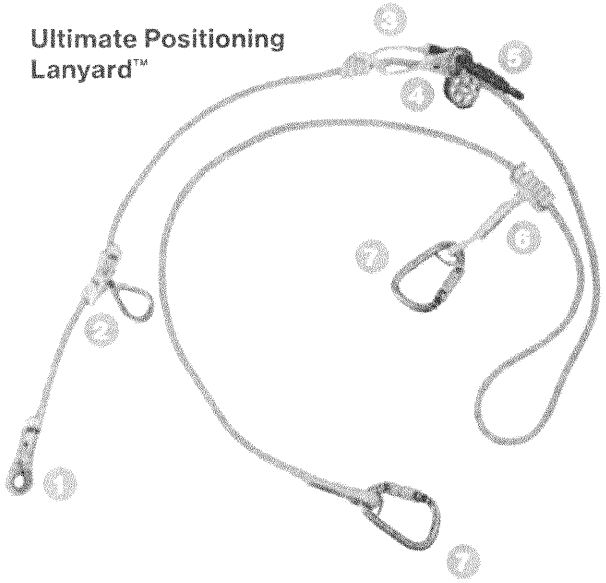
MBS=Three-sigma minimum break strength

Ultimate Positioning Lanyard™

The Ultimate Positioning Lanyard is made with our TriTech™ rope, which features a Spectra® "jacketed" core, covered by a 100% Technora® sheath. This high-tech blend creates a lanyard with high abrasion resistance, non-conductive properties, great handling and unusual longevity. This adjustable lanyard works in many situations with numerous connection options: "M" system configuration, single leg up off a bridge or two-in-one positioning with the benefit of one-handed operation to tend slack.
MBS: 5,418 lb. 12' and 16' lengths.

Ultimate Positioning Lanyard Includes:

1. TriTech™ Lanyard (12' and 16')
2. RIT 8 mm Thimble Prusik
3. RIT 8 mm Eye and Eye 30"
4. ISC Micro Pulley
5. Osprey™ AL Carabiner
6. RIT 8 mm Bound Loop Prusik
7. (2) Sterling Falcon Talon™ Carabiners



Tech11™ Flipline

Rugged positioning lanyard that provides high abrasion and heat resistance. Features a Technora® sheath for durability and arc flash protection and a nylon core for smooth handling. Available with sewn eye and thimble, plus multiple connector options.
MBS: 5,418 lb. 10' and 12' lengths.

Shown with optional steel snaphook.



Tech11™ Flipline

TriTech™ Flipline

This 11 mm rope features our unique Technora® sheath, Spectra® inner jacket and nylon core. By combining the abrasion resistant sheath over a high strength inner jacket and pliable core, we have created a flipline that is strong and durable, yet still supple enough to move and position easily.
MBS: 5,418 lb. 10', 12' and 16' lengths.

Shown with optional triple action aluminum snaphook.



TriTech™ Flipline

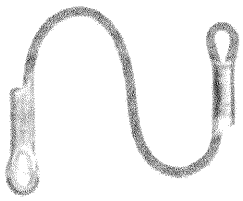
Customize Your Flipline

Our Fliplines come standard with sewn eye terminations. Further customize your flipline—cut to your preferred length and request integrated hardware from the factory. Hardware options include:



SafetyPro Lanyard

This static lanyard allows for safe connections to rope access and positioning equipment. Available in 0.6, 0.8, 1 m lengths.



SafetyPro Lanyard

NEW Phenom™ Dynamic Lanyard

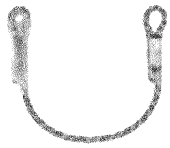
A 10.3 mm dynamic rope lanyard for work positioning and back-up connectionSewn terminations provide accurate lengths and eliminate bulky knots. Keepers on the sewn eye protect the stitching and keep carabiners properly oriented. Available in 0.4, 0.5, 0.6, 0.8 and 1 m lengths.

Key Benefits:

- High strength sewn terminations
- Plastic keeper protects stitching
- Different colors for different lengths
- Made from EN 892/UIAA 101 certified dynamic rope



40 cm Yellow



50 cm Red



60 cm Yellow



80 cm Blue



100 cm Red

Name	MBS (lb)	MBS (kN)	Lengths available
SafetyPro Lanyard	5,170	23.0	0.6, 0.8, 1 m
Phenom™ Dynamic Lanyard	5,411	24.1	0.4, 0.5, 0.6, 0.8, 1 m
Adjustable Retrievable Anchor	5,418	24.1	60"

MBS=Three-sigma minimum break strength

Adjustable Retrievable Anchor™

A powerful combination of our HTP Ring Sling and our RIT Ring Bound Loop Prusik, the AR Anchor allows quick adjustments when used as a primary anchor point by moving the RIT Ring Bound Loop Prusik along the Ring Sling. Because of the different-sized rings, you can retrieve the entire system from the tree once back on the ground.

Length: 60" / **MBS:** 5,418 lb

Anchor Includes:

(1) SafetyPro Lanyard with Aluminum Ring

(2) RIT Bound Loop Prusik with Ring 18"



Accessory and Prusik Cord

Accessory cords are designed and produced with the same construction methods and high quality yarns as our ropes. Our 6-9 mm cords are built with the right amount of softness, yet are durable for anchor building, prusik use and other life-safety applications.

Name/ Diameter	MBS (lb)	MBS (kN)	CE EN 564
1.5 mm	118	0.5	No
2 mm	225	1.0	No
2.75 mm	270	1.2	No
3 mm	472	2.1	No
4 mm	876	3.9	No
5 mm	1,146	5.1	Yes
6 mm	1,843	8.2	Yes
7 mm	2,787	12.4	Yes
8 mm	3,506	15.6	Yes
9 mm	3,102	13.8	No
550 Cord	550*	2.4	No

MBS=Three-sigma minimum break strength
**Average, not minimum*



Many cords come in a variety of precut lengths or spools for additional convenience.

This bag is 100% biodegradable.

1.5 mm
Black
Blue
Red
NEW
Black/Neon Yellow

2 mm
Black
Blue
Red
Yellow
NEW
Brown

2.75 mm
Black
Blue
Orange
NEW
Purple
Neon Yellow
Brown

3 mm
Black
Yellow
Olive Drab
NEW
Purple
Neon Green

4 mm
Black
Blue
Woodland Camo
Orange
Green
Yellow

5-8 mm certified to EN 564

5 mm
Black
Blue
Woodland Camo
Orange
Red

6 mm
Black
Blue
Desert Camo
Orange
Red
Yellow
NEW
Neon Green

7 mm
NEW
Black
Blue
Desert Camo
Woodland Camo
Orange
Gold

8 mm
Black
Blue
Teal
Red
Purple
Orange

9 mm
Black
Blue
Red
Yellow

550 Paracord
Black
Blue
Olive Drab
Orange

GloCords™

A reflective tracer is braided into the sheath, making these cords vibrant when light hits.

Name/ Diameter	MBS (lb)	MBS (kN)	CE EN 564
2.75 mm	270	1.2	No
3 mm	472	2.1	No
4 mm	876	3.9	No
5 mm	1,146	5.1	Yes

MBS=Three-sigma minimum break strength

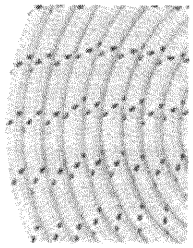
2.75 mm
Black
Orange
NEW
Blue
Neon Yellow

3 mm
Black
Blue
Red

4 mm
Black
NEW
Neon Green

5 mm
Black
Orange

High Tenacity Cords



Some situations require high strength from a small diameter cord. Sterling developed our High Tenacity Cord line to answer these requirements. We make five distinct High Tenacity Cord models: TRC™, XTec™, V-TX™, TVac™ and PowerCord™. Each features a unique construction utilizing different combinations of high-tech materials; each cord is tuned for a given set of conditions and recommended uses.

Name/ Diameter	MBS (lb)	MBS (kN)	CE EN 564	Fibers (core/sheath)
5.4 mm V-TX Cord™	3,372	15.0	No	Dyneema®/ Polyester
5.9 mm PowerCord™	4,428	19.7	Yes	Technora®/ Nylon
6 mm XTec™	4,721	21.0	No	Technora/Technora
6 mm TRC™	3,484	15.5	No	Nylon/ Technora
6.8 mm TVac™	3,619	16.1	No	Nylon/ Technora

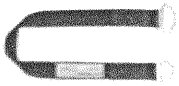
MBS=Three-sigma minimum break strength

Sewn Webbing

Light, flexible and incredibly strong, our webbing is available in several types and boasts the strength needed for all manner of work and rescue applications. We've invested greatly in our in-house sewing facility, which allows us to produce certified precision sewn webbing products that are strong and versatile.

End-to-end	End-to-end MBS (lb)	MBS (kN)	Lengths Available
Anchor Strap	6,744	30.0	3, 6'
Pickoff Strap	4,496	20.0	10-59"
1" 9800 Rabbit Runner	8,093	36.0	4, 6, 8'
Chain Reactor™	3,147	14.0	41, 61.5"
BARC™	6,182	27.5	103, 60"

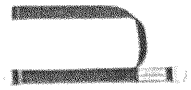
MBS=Three-sigma minimum Break



Anchor Strap

High-strength nylon webbing 1.75" wide and steel closures facilitate fast and secure anchoring in basket, end-to-end and choke configurations.

Basket MBS = 13,488 lb, MBS (kN) 60; Choke MBS Rating 6,295 lb, MBS (kN) 28 / **NFPA 1983: Technical**



Pickoff Strap

Adjustable pickoff strap allows slack to be removed from system before transferring a load. Provides a durable anchor in two configurations: basket and straight line.

Basket MBS = 8,992 lb



1" 9800 Rabbit Runner

Uses our high-strength 9800 webbing with sewn eyes on each end for specialty rigging applications such as extending anchors. Rated for life-safety applications.

End-to-end MBS: 8,093 lb (36 kN)
Basket MBS: 16, 358 lb (72.8 kN)



Chain Reactor

Made from our 11/16" nylon webbing, these full-strength interlocked loops are safer alternatives to traditional daisy chains. The Pro version has a doubled tethered connection, while the Long version has four additional loops.

Basket MBS = 5,418 lb; Choke MBS Rating 2,810 lb



Red/Blue (8.5')

BARC™

A multiuse, adjustable rigging chain made from our 1" 9800 nylon sewn webbing. When set up as an anchor, the BARC's versatility accommodates almost any job site scenario and can create multiple rigging points for lifting.

MBS: 6,182 lb; 11,240 lb (individual loops); Basket MBS = 11,240 lb; Choke MBS Rating = 5,845 lb; 6,182 lb (end-to-end)



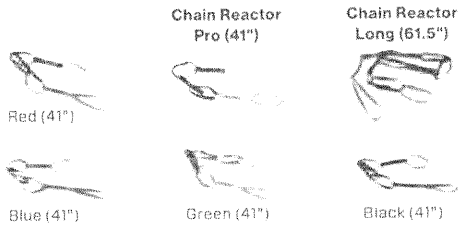
Nylon Slings

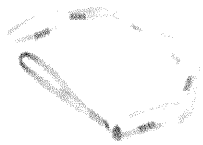
Our nylon slings are offered in three different styles and diameters using precisely programmed tack-stitching to guarantee high quality and strength for a myriad of uses. See SterlingRope.com for color and length availability.



Dyneema® Slings

Dyneema slings offer significant performance advantages over traditional runners. They are lightweight, have high cut resistance, are extremely strong, and naturally repel moisture.



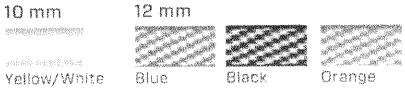


Yellow/Blue (5')

Sterling BARC and Chain Reactors are certified to **EN 795B**.

Sling Name	MBS (lb)	MBS (kN)	Lengths Available	CE EN 566
10 mm Dyneema® sling	5,170	23	24, 48"	Yes
12 mm Dyneema sling	5,170	23	10, 24, 30, 48"	Yes
11/16" Nylon sling	5,170	23	12, 24, 30, 48"	Yes
1" Tubular nylon sling	5,170	23	12, 24, 36, 48"	Yes
1" Flat nylon sling	11,240	50	48, 72, 96, 120"	No

MBS=Three-sigma minimum Break



Bulk Webbing

Our fine webbing is available in bulk spools so you can cut custom lengths for any possible use.

Name/ Diameter	MBS (lb)	MBS (kN)	Lengths Available
11/16" Tubular	3,000	13.3	300' spool
1" Tech Tape Tubular	4,000	17.8	30' web wheel and 300' spool
1" Mil-Spec Tubular	4,000	17.8	30' web wheel and 300' spool
1" Type 18 Flat	6,000	26.7	300' spool
1" Type 9800 Flat	9,800	43.6	150' spool

MBS=Three-sigma minimum Break

11/16" Tubular

Premium nylon tubular webbing features high-tensile strength in a narrower web. Great for use in slings.

MBS: 3,000 lb / 300' spool



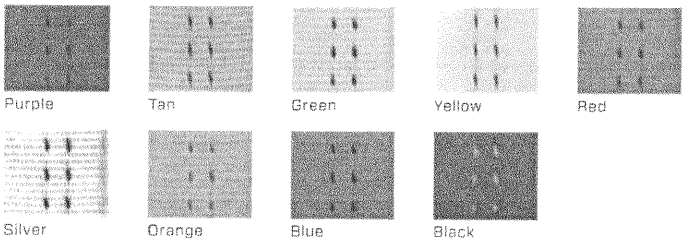
Silver Blue Red Black Green

1" TechTape™ Tubular

Tech Tape is our premium 1" nylon webbing and features a smooth dense weave for high strength, excellent handling and superior knotability.

MBS: 4,000 lb / 30' web wheel, 300' spool

Web Wheel Colors: Blue, Red, Yellow, Black



Purple Tan Green Yellow Red

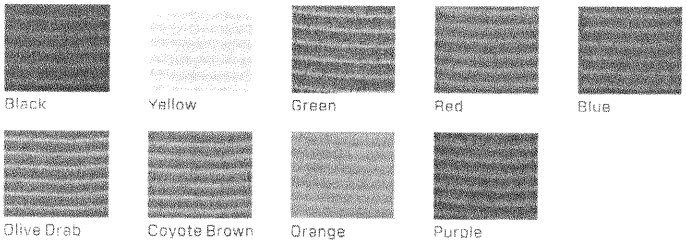
Silver Orange Blue Black

1" Mil-Spec Tubular

The standard in 1" tubular nylon webbing is favored for its versatility and use in slings, anchor systems and hasty harnesses. Sterling's webbing offers exceptional abrasion resistance and excellent knotability.

MBS: 4,000 lb / 30' web wheel, 300' spool

Web Wheel Colors: Blue, Red, Yellow, Black



Black Yellow Green Red Blue

Olive Drab Coyote Brown Orange Purple

1" Type 18 Flat / 1" 9800 Flat

Both the Type 18 and 9800 webbing are ultra high-tensile webbing with maximum durability and ideal for custom rigging applications. Type 18 has a 6000 lb MBS, and the 9800 has a 9800 lb break strength.

MBS: 6,000 lb / 9,800 lb
Type 18 300' spool, 9800 150' spool



Blue Yellow Red (9800 only)

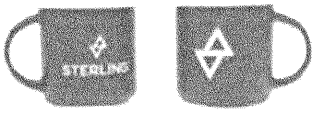
Merchandise & Signage

Fly the Sterling flag with these quality, comfortable, and functional clothing items and merchandise: some useful, some just for fun. Get your swag here.



Dog Leash

This high-performance leash is made from repurposed Sterling rope shorts for the crag dog in your life. 6-feet in length and includes a brass snaphook swivel attachment point. Made in the USA.



Mug

Coffee. Tea. Water. More coffee. Fill this stylish ceramic mug with the liquid of your choice.



Logo Beanie

Keep your head warm this winter with the Sterling logo beanie. Featuring the logo knit in orange and gray. 100% acrylic, imported.



Sterling Mesh Hat

A modern adjustable ballcap with blue stitching for the logo and a gray, mesh snap-back. Hat made by Richardson.



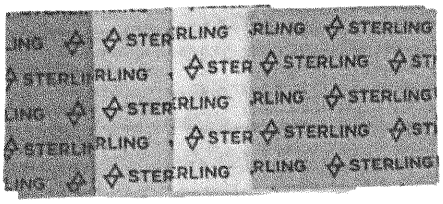
Arbor Graphic T Shirt

This soft cotton shirt features a graphic of the Sterling icon carved from wood. 100% cotton.



Sterling Logo T Shirt

A classic look with the new Sterling logo. A soft, tri-blend t-shirt with an athletic fit. Available in gray with neon green logo, blue with yellow logo and purple with silver logo.

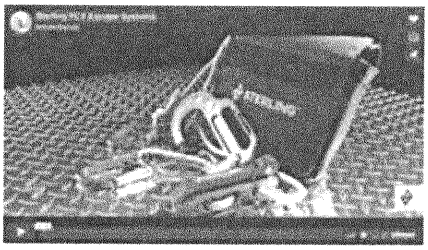


Sterling Brandana

The brandana is your classic multifunctional headwear that now comes with the Sterling Logo. A simple yet versatile tool for any arborist, climber or firefighter. Wear it as a neck gaiter, head scarf, or face shield from the elements. Polyester blend performance fabric. One size fits most.

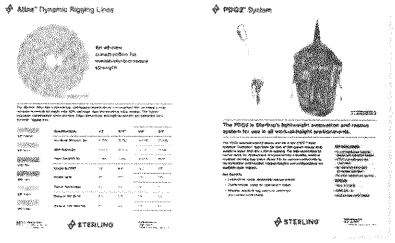
Signage and Marketing

The Sterling Sales and Marketing Team is dedicated to helping you sell more Sterling products. If there is something we don't currently offer, please feel free to email us your request at Marketing@SterlingRope.com.



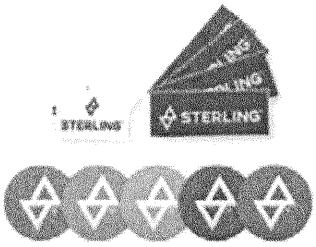
Product Videos

We are continually updating our library of videos designed to give you more information on the technology and application behind each product we offer. Visit our YouTube or Vimeo channels, or contact us to download specific product videos to use in your store.



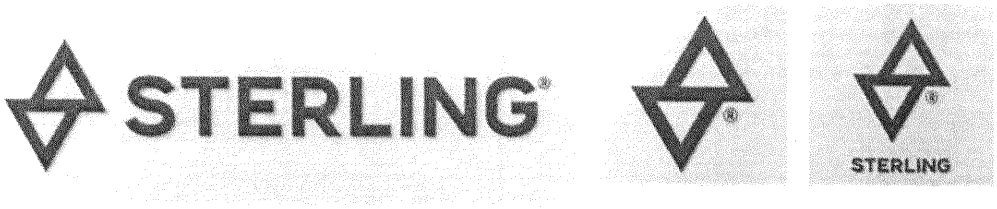
Sell Sheets and Posters

We offer a variety of informational flyers and brochures to help your customers decide which Sterling product to purchase. These are also good reference guides to help educate your employees on Sterling gear.



Stickers

We offer a variety of Sterling stickers free of charge.



Slatwall Signage

Our eye-popping signs will draw customers to your wall of Sterling products.

Available in three designs:

- Horizontal Logo - 24"x8.5" & 16"x5.5"
- Vertical Logo - 12"x12" & 10"x10"
- Icon Only - 12"x12" & 10"x10"

Keep an eye out for upcoming emails featuring new products, work-at-height blog posts and sales promotion periods. We love seeing Sterling products in action during trainings, and when appropriate – in the field! – so keep tagging our pages on Social and with #sterlingrope. As always, if you need any support with marketing tools we're here to help. Happy Marketing!

Happy Marketing.
Liz, Meagan and Heidi

Marketing Team

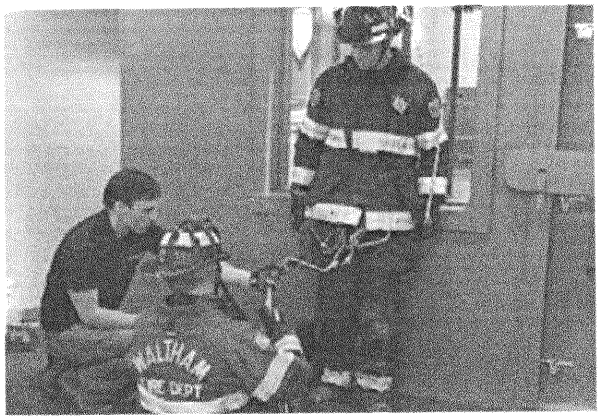
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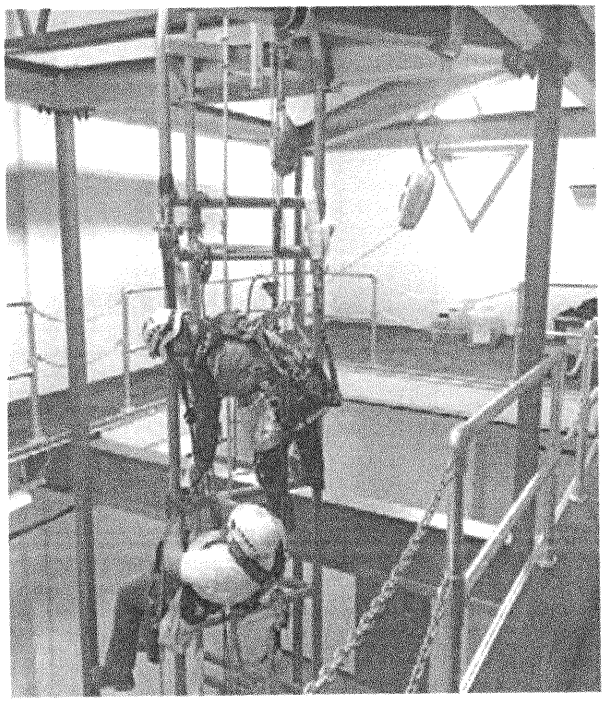
Heidi Shingleton
Field Test and Project Manager
1-207-282-2550 ext. 3105
Heidi@SterlingRope.com



Alex Hebbel training on the FCX Descent Control Device.



Matt Hunt demonstrating escape kits and systems to a fire department.



Practicing tower rescue from a ladder safety system.

Our Training Center

For training companies and organizations who need to teach or certify employees in rope-rescue techniques, the training center is a valuable resource. Key features in the simulation training space are a free-standing 30-ft. radio tower, a vertical wall with removable window and door plugs for bailout training, and anchors for practicing edge, raise and rescue, and hauling operations.

Conveniently located in Biddeford, Maine, the Training Center is 20 minutes south of the Portland Jetport, with easy access to Portland's scenic coastline, downtown shopping, and renowned restaurant scene.

To schedule your next training at the Sterling Training Center, contact Matt Hunt at (207) 282-2550 or Matt.Hunt@SterlingRope.com.

> Having access to an indoor training facility is a real benefit to organizations that need to provide at-height training to their employees. The clean controlled environment makes for a great setting for learning.
>
> **- Justin Pitts**
> East Coast Communications Safety Director & Tower Rescue Trainer

Technical Specifications

Static Ropes

Atlas

Technical Specifications	1/2" Atlas	9/16" Atlas	5/8" Atlas	3/4" Atlas
Diameter (mm)	13.0	14.0	17.0	19.0
Weight (lb/100')	7.9	8.9	13.5	17.3
ABS Rating (lb)	11,500	13,750	19,400	22,480
ABS Rating (kN)	51.1	61.1	86.3	100.0
Elongation at 300 lb (%)	0.9	0.8	0.4	0.3
Elongation at 10% MBS (%)	4.1	4.5	4.5	4.3
Sheath Percentage (%)	49.0	43.0	40.0	41.0
Core/Sheath	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester
Lengths Available	150, 200, 600' | 46, 61, 183 m			

HTP

Technical Specifications	9 mm HTP	3/8" HTP	7/16" HTP	1/2" HTP	5/8" HTP
Diameter (mm)	9.0	10.0	11.0	12.5	16.0
Weight (lb/100')	4.3	5.3	6.5	8.0	12.5
MBS Rating (lb)	4,496	5,979	6,856	9,081	12,993
MBS Rating (kN)	20.0	26.6	30.5	40.4	57.8
ABS Rating (lb)	5,058	6,784	7,568	10,507	15,173
ABS Rating (kN)	22.5	30.2	33.7	46.7	67.3
Elongation at 300 lb (%)	1.6	1.4	1.9	1.0	1.6
Elongation at 10% MBS (%)	2.0	2.8	4.0	2.0	2.8
Core/Sheath	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester
Certification		NFPA 1983 (T)	NFPA 1983 (T)	ANSI Z359.15	NFPA 1983 (G)
Lengths Available	150, 200, 300, 600, 660' | 46, 61, 92, 183, 200 m				

SafetyPro

Technical Specifications	9 mm SafetyPro	10 mm SafetyPro	10.5 mm SafetyPro	11 mm SafetyPro
Diameter (mm)	9.0	10.0	10.5	11.0
Weight (lb/100')	3.4	4.2	4.7	5.1
MBS Rating (lb)	4,271	5,575	6,114	7,306
MBS Rating (kN)	19.0	24.8	27.2	32.5
MBS Figure 8 (kN)	>12	>15	>15	>15
EN 1891 Falls	>5	>5	>5	>5
EN 1891 Impact (kN)	4.4	5.9	5.8	5.9
Elongation at 300 lb (%)	1.9	4.5	2.8	3.3
Elongation at 10% MBS (%)	4.2	7.6	6.0	8.4
50 kg/150 kg Elongation (%)	3.4	3.3	3.4	3.4
Sheath Percentage (%)	42.0	40.1	47.1	41.4
Sheath Slippage (%)	0.0	0.0	0.0	0.0
Shrinkage (%)	1.8	1.7	1.8	2.0
Core/Sheath	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon
Certification	EN 1891 (B)	EN 1891 (A)	EN 1891 (A)	EN 1891 (A)
Lengths Available	165, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m	150, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m	150, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m	150, 200, 300, 600, 660' | 50, 61, 92, 183, 200 m

Static Ropes

SuperStatic Technical Specifications	3/8" SuperStatic2	7/16" SuperStatic2	1/2" SuperStatic2	5/8" SuperStatic2
Diameter (mm)	9.5	11.0	12.5	16.0
Weight (lb/100')	4.2	5.5	6.8	10.7
MBS Rating (lb)	4,945	6,519	9,239	12,364
MBS Rating (kN)	22.0	29.0	41.1	55.0
ABS Rating (lb)	5,467	7,402	9,382	14,074
ABS Rating (kN)	24.3	32.9	41.7	62.6
Elongation at 300 lb (%)	3.3	3.2	1.5	1.4
Elongation at 10% MBS (%)	6.2	7.0	6.2	6.4
Core/Sheath	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon	Nylon/Nylon
Certification	NFPA 1983 (T)	NFPA 1983 (T)	ANSI Z359.15	NFPA 1983 (G)
Lengths Available	150, 200, 300, 600, 660' | 46, 61, 92, 183, 200 m			

ABS=Average break strength, MBS=Three-sigma minimum break strength

TechRopes Technical Specifications	OpLux™	Tactical Response™	Tech11™	Tech125™
Diameter (mm)	8.0	9.5	11.0	12.5
Weight (lb/100')	2.8	4.2	5.9	7.0
MBS Rating (lb)	5,440	6,744	9,014	10,183
MBS Rating (kN)	24.2	30.0	40.1	45.3
Elongation at 300 lb (%)	3.3	3.4	3.4	2.1
Core/Sheath	Spectra/Technora & Polyester	Nylon/Technora	Nylon/Technora	Nylon/Technora
Certification	-	NFPA 1983 (T) / EN 1891 (B)	NFPA 1983 (G) / EN 1891 (A)	-
Lengths Available	100, 150, 200, 300, 660' 30, 46, 61, 92, 200 m"	150, 200, 300, 600, 660' 46, 61, 92, 183, 200 m	150, 200, 300, 600, 660' 46, 61, 92, 183, 200 m	200, 600' 61, 183 m

TechRopes *cont.* Technical Specifications	H3 Tech11™	H3 Tech125™
Diameter (mm)	11.0	12.5
Weight (lb/100')	6.0	7.6
MBS Rating (lb)	9,576	9,441
MBS Rating (kN)	42.6	42.0
Elongation at 300 lb (%)	1.1	1.0
Core/Sheath	Technora	Technora
Certification	-	NFPA 1983 (G)
Lengths Available	200, 600' | 61, 183 m	

ABS=Average break strength, MBS=Three-sigma minimum break strength

Tendril & Scion Technical Specifications	7/16" Tendril	7/16" Scion	1/2" Scion
Diameter (mm)	11.1	11.5	12.5
Weight (lb/100')	6.0	6.1	7.2
MBS Rating (lb)	5,912	5,417	7,193
MBS Rating (kN)	26.3	24.1	32
Sewn Eye MBS Rating (lb)	5418	4608	6,115
Sewn Eye MBS Rating (kN)	24.1	20.5	27.2
ABS Rating (lb)	6,069	6,159	7,935
ABS Rating (kN)	27.0	27.4	35.3

Tendril & Scion *cont.*

Technical Specifications	7/16" Tendril	7/16" Scion	1/2" Scion
Elongation at 300 lb (%)	4.1	4.1	3.3
Elongation at 10% MBS (%)	8.4	6.2	7.4
Sheath Percentage (%)	51.0	50.0	47.1
Sheath Slippage (%)	0.8	0.5	0.5
Shrinkage (%)	1.6	2.9	2.6
Core/Sheath	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester
Certification	ANSI Z133	EN 1891 (A) ANSI Z133	EN 1891 (A) ANSI Z133
Lengths Available	120, 150, 200, 600' | 37, 46, 61, 183 m		

VerGo

Technical Specifications	3/8" VerGo	1/2" VerGo	5/8" VerGo	3/4" VerGo
Diameter (mm)	9.5	12.5	16.0	19.0
Weight (lb/100')	4.4	8.2	14.2	17.5
MBS Rating (lb)	4,377	9,147	16,267	16,374
MBS Rating (kN)	19.5	40.7	72.4	72.8
ABS Rating (lb)	4,790	10,086	18,275	22,316
ABS Rating (kN)	21.3	44.9	81.3	99.3
Elongation at 300 lb (%)	2.0	1.2	0.5	0.3
Elongation at 10% MBS (%)	2.6	2.7	2.2	1.4
Sheath Percentage (%)	55.0	48.0	49.0	54.0
Core/Sheath	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester	Polyester/Polyester
Certification	-	-	-	-
Lengths Available	300, 600, 1,200' | 92, 183, 366 m			

ABS=Average break strength, MBS=Three-sigma minimum break strength

WorkPro

Technical Specifications	3/8" WorkPro	7/16" WorkPro	1/2" WorkPro
Diameter (mm)	10.0	11.0	12.5
Weight (lb/100')	4.5	5.6	7.4
MBS Rating (lb)	6,519	8,092	10,116
MBS Rating (kN)	29.0	36.0	45.0
MBS Figure 8 (kN)	>15	>15	>15
ABS Rating (lb)	7,316	9,586	10,520
ABS Rating (kN)	32.5	42.6	46.8
Elongation at 300 lb (%)	3.5	3.5	3.3
Elongation at 10% MBS (%)	8.4	9.4	9.8
50-150 kg Elongation (%)	2.6	2.8	1.7
Sheath Percentage (%)	44.7	36.0	35.8
Sheath Slippage (%)	0.0	0.4	0.0
Shrinkage (%)	0.8	2.4	1.9
Core/Sheath	Nylon/Polyester	Nylon/Polyester	Nylon/Polyester
EN 1891 Falls	>5	>5	>5
EN 1891 Impact (kN)	5.5	5.8	5.5
Certification	EN 1891 (A) NFPA 1983 (T)	EN 1891 (A) NFPA 1983 (T)	EN 1891 (A) NFPA 1983 (G)
Lengths Available	150, 200, 300, 600, 660' | 46, 61, 92, 183, 200 m		

Dynamic Ropes

Nano IX, Ion R & Aero

Technical Specifications	Nano IX	Ion R	Aero
UIAA Certification	Single | Half | Twin	Single	Single | Half | Twin
Diameter (mm)	9.0	9.4	9.2
Weight (g/m)	52	57	56
Impact Force (kN)	8.5 | 6.6 | 10.4	8.7	8.5
Dynamic Elongation (%)	33.1 | 27.6 | 25.3	33.1	33.4
Static Elongation (%)	7.0 | 7.0 | 3.6	7.2	7.7
Sheath Percentage (%)	29	39	41
UIAA Falls	6 | 16 | >20	6	7 | 21 | 20
Dry Treatment	DryXP	DryXP Optional	DryXP Optional
Bicolor or Bipattern Available	Bicolor: 60, 70 m	-	Bicolor: 60, 70, 80 m
Certification	EN 892 UIAA 101	EN 892 UIAA 101	EN 892 UIAA 101
Lengths Available	30, 40, 50, 60, 70, 80 m	40, 50, 60, 70, 80 m	50, 60, 70, 80 m

Velocity & Marathon

Technical Specifications	Velocity	Marathon Pro
UIAA Certification	Single	Single
Diameter (mm)	9.8	10.1
Weight (g/m)	62	63
Impact Force (kN)	8.8	8.9
Dynamic Elongation (%)	28.8	35.3
Static Elongation (%)	8.6	8.5
Sheath Percentage (%)	35	42
UIAA Falls	6	6
Dry Treatment	DryXP Optional	Dry Optional
Bicolor or Bipattern Available	-	Bipattern: 60, 70 m
Certification	EN 892 UIAA 101	EN 892 UIAA 101
Lengths Available	35, 40, 50, 60, 70, 80 m	50, 60, 70, 80 m

Fire Ropes

Fire Ropes

Technical Specifications	FireTech2™	EscapeTech™	SafeTech™	8 mm PER
Diameter (mm)	7.5	7.5	8.0	8.0
Weight (lb/100')	4.2	2.8	2.8	2.8
Weight (lb/50')	2.1	1.4	1.4	1.4
MBS Rating (lb)	5,732	3,911	4,383	3,484
MBS Rating (kN)	25.5	17.4	19.5	15.5
ABS (lb)	6,546	4,657	5,322	4,504
ABS (kN)	29.1	20.7	23.7	20
Elongation at 300 lb (%)	1.6	5.8	6.3	7.4
Core/Sheath	Technora/Technora	Nylon/Technora	Nylon/Technora	Nylon/Nylon
NFPA Elevated Temp Test @ 400c	>5:30	>5:30	>5:30	-
NFPA Elevated Temp Test @ 600c	>1:27	>1:28	>1:22	-
Certification	NFPA 1983 (FE)	NFPA 1983 (FE)	NFPA 1983 (FE)	NFPA 1983 (E)
Lengths Available	40, 50, 150, 200, 300, 600' | 12, 15.5, 46, 61, 92, 183 m	40, 50, 200, 600' | 12, 15.5, 61, 183 m	40, 50, 150, 200, 300, 600' | 12, 15.5, 46, 61, 92, 183 m	40, 50, 150, 200, 300, 600' | 12, 15.5, 46, 61, 92, 183 m

Fire Ropes *cont.*

Search Ropes

Technical Specifications	RIT 900™	SearchLite™	RIT Response™
Diameter (mm)	6.8	7.5	9.0
Weight (lb/100')	1.8	2.2	4.2
MBS Rating (lb)	4,136	3,012	6,968
MBS Rating (kN)	18.4	13.4	31.0
Elongation at 300 lb (%)	2.6	1.6	1.9
Core/Sheath	None/Twaron	Nylon & Technora/Nylon	Polyester/Twaron
Lengths Available	39, 50, 150, 200, 300, 600, 660' 12, 15.5, 46, 61, 92, 183, 200 m	50, 200, 220' 15.5, 61, 67 m	150, 200' 46, 61 m

ABS=Average break strength, MBS=Three-sigma minimum break strength

Water Rescue Ropes

Water Rescue

Technical Specifications	1/4" UltraLine	3/8" UltraLine	3/8" Grabline
Diameter (mm)	6.5	9.5	9.5
Weight (lb/100')	1.3	2.6	3.1
Weight (g/m)	19.3	38.7	46.1
MBS Rating (lb)	2,495	5,237	3,282
MBS Rating (kN)	11.1	23.3	14.6
Elongation at 300 lb (%)	1.4	1.2	4.2
Core/Sheath	Spectra/Polypropylene	Spectra/Polypropylene	Nylon/Polypropylene
Certifications	-	-	NFPA 1983 (TL)
Lengths Available	75, 150, 200, 300, 600, 660' 23, 46, 61, 92, 183, 200 m		75, 300, 600, 660' 23, 92, 183, 200 m

Water Rescue *cont.*

Technical Specifications	5/16" WaterLine	3/8" WaterLine	7/16" WaterLine	1/2" WaterLine
Diameter (mm)	8.0	9.5	11.0	12.5
Weight (lb/100')	2.1	3.3	4.3	5.2
Weight (g/m)	31.2	49.1	64.0	77.4
MBS Rating (lb)	1,596	3,416	4,271	5,754
MBS Rating (kN)	7.1	15.2	19.0	25.6
Elongation at 300 lb (%)	7.0	4.2	2.6	1.8
Core/Sheath	Nylon/Polypropylene	Nylon/Polypropylene	Polypropylene/ Polypropylene	Polypropylene/ Polypropylene
Certifications	-	NFPA 1983 (TL)	-	-
Lengths Available	75, 150, 200, 300, 600, 660' | 23, 46, 61, 92, 183, 200 m			

MBS=Three-sigma minimum break strength

Additional Dynamic Ropes

Fusion Photon™ 7.8 mm ½ 🅾
30, 40, 50, 60, 70, 80 m


NEW Orange


NEW Purple

UIAA Falls 5 | 16	**Dynamic Elongation (%)** 35.3 | 32.3	**Impact Force (kN)** 5.6 | 8.7
Weight (g/m) 41	**Static Elongation (%)** 11.7 | 6.5	**Sheath (%)** 45

Evolution Duetto™ 8.4 mm ½
30, 40, 50, 60, 70 m


Neon Green


Purple


Orange

UIAA Falls 6	**Dynamic Elongation (%)** 31.6	**Impact Force (kN)** 6.5
Weight (g/m) 45	**Static Elongation (%)** 11.0	**Sheath (%)** 40

Evolution Aero™ 9.2 mm ①
50, 60, 70, 80 m


Bicolor Blue


Neon Green

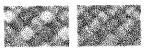

Teal


Tangerine


Blue

UIAA Falls 7	**Dynamic Elongation (%)** 33.4	**Impact Force (kN)** 8.5
Weight (g/m) 56	**Static Elongation (%)** 7.7	**Sheath (%)** 41

Evolution Helix™ 9.5 mm ①
40, 50, 60, 70, 80 m


NEW Bicolor Blue


Orange


Neon Green


Bicolor Orchid


Yellow

UIAA Falls 7	**Dynamic Elongation (%)** 31.9	**Impact Force (kN)** 8.9
Weight (g/m) 59	**Static Elongation (%)** 7.2	**Sheath (%)** 41

Phenom™ 10.3 mm ①
30, 40, 100, 200 m


Olive Drab

UIAA Falls 11	**Dynamic Elongation (%)** 30.6	**Impact Force (kN)** 9.0
Weight (g/m) 67	**Static Elongation (%)** 6.5	**Sheath (%)** 39

Big Gym™ 10.7 mm ①
25, 30, 100, 200 m


NEW Purple

Orange

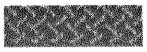

Yellow

UIAA Falls 8	**Dynamic Elongation (%)** 36.1	**Impact Force (kN)** 8.6
Weight (g/m) 70	**Static Elongation (%)** 9.0	**Sheath (%)** 38

Marathon Mega™ 11.2 mm ①
50, 60, 200 m


Orange


Purple

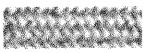

Black


Olive Drab

UIAA Falls 9	**Dynamic Elongation (%)** 30.8	**Impact Force (kN)** 8.7
Weight (g/m) 79	**Static Elongation (%)** 9.4	**Sheath (%)** 37

Canyon Ropes

CanyonLux™ 8.00 mm
30, 46, 61, 92, 200 m


Blue


Green

Diameter (mm) 8.0	**MBS Rating (lb)** 5,440	**Elongation at 300 lb (%)** 3.3
Weight (g/m) 41.2	**MBS Rating (kN)** 24.2	**Sheath Slippage (mm)** 0.0

CanyonPrime™ 8.5mm
30, 46, 61, 92, 200 m


Orange


Blue

Diameter (mm) 8.5	**MBS Rating (lb)** 3,821	**Elongation at 300 lb (%)** 1.65
Weight (g/m) 56.4	**MBS Rating (kN)** 17.0	**SWL (10:1) (lb)** 382

C-IV™ 9.0mm
30, 46, 61, 92, 200 m


Neon Green


Orange

Diameter (mm) 9.0	**MBS Rating (lb)** 4,653	**Elongation at 300 lb (%)** 2.0
Weight (g/m) 46.9	**MBS Rating (kN)** 20.7	**SWL (10:1) (lb)** 465

CanyonTech™ 9.5mm
30, 46, 61, 92, 200 m


Neon Green


Orange

Diameter (mm) 9.5	**MBS Rating (lb)** 6,744	**Elongation at 300 lb (%)** 3.9
Weight (g/m) 63.0	**MBS Rating (kN)** 30	**SWL (10:1) (lb)** 674

Hardware

Carabiners

Name	Major Axis (lb)	Minor Axis (lb)	Open Gate (lb)	NFPA 1983
ASD w/ pin***	6,744	3,597	2,023	Yes
Eagle AL	5,620	1,574	1,574	No
Eagle SL	5,620	1,574	1,574	No
Falcon AL	5,620	1,574	1,574	No
Falcon ALT	5,620	1,574	1,574	No
Falcon SL*	5,620	1,574	1,574	No
Falcon SLT	5,620	1,574	1,574	No
Hawk AL	6,295	1,574	1,574	No
Hawk SL	6,295	1,574	1,574	No
Osprey AL	5,171	1,574	1,349	No
Osprey SL	5,171	1,574	1,349	No
SR Steel AL**	10,116	3,597	4,047	Yes
SR Steel SL	10,116	3,372	4,047	Yes
SafeD TL	6,295	2,473	2,023	Yes
SafeD AL	6,295	2,473	2,023	Yes

* Also available in black
** Meets ANSI Z359.12

Descent Control and Rigging

Name	MBS (lb)	NFPA 1983	Weight (oz)
ATS™ Device	5,170	-	3.2
Steel ATS™	10,125	-	25
SR R8™	4,945	No	6.4
FCX	3,035	Yes	6.4
F4	3,035	Yes	6.4
F3	3,035	No	4.8
Termination Plate	5,000	-	8.8

MBS=Three-sigma minimum break strength

Pulleys

Name	End-to-end MBS (lb)	Max Diameter (in)	NFPA 1983	CE EN 12278
AZTEK™ Omni Block	8,093	5/16	No	Yes
Micro	5,395	7/16	No	Yes
SR MSP	3,822	7/16	No	Yes
SR MDP	4,946	7/16	No	Yes
SR PMP	8,093	1/2	Yes	No
SR PMP2	9,892	1/2	Yes	No
SR Rescue Pulley	7,194	1/2	Yes	No
Pico™ Double Pulley	- -	11/32	No	No
Single Configuration	4,496			
Double Configuration	6,744			

MBS=Three-sigma minimum break strength

Snaphooks

Name	MBS (lb)	ANSI Z359	CE
ANSI Double Action Steel	4,991	Yes	No
Double Action Steel	6,070	No	Yes
Double Action Aluminum	6,070	No	Yes
Triple Action Aluminum	6,070	No	Yes

MBS=Three-sigma minimum break strength

Hooks

Name	MBS (lb)	NFPA 1983
Lightning Hook	3,035	Yes
Lightning GT Hook	3,035	Yes
Crosby Hook	4,945	Yes

MBS=Three-sigma minimum break strength

I-Beam Anchors

Name	Weight (lb)	Beam Flange Width	Breaking Strength	Max User Weight (lb)
Beam Trolley	7.7	3"-10"	5,000	310
Aluminum Bantam Beamer	3.3	3.5"-14"	5,000	310
Super Slider I-Beam Anchor	7.4	12"-30"	5,000	310
Fixed Beam Anchor	6.8	4"-14"	5,000	310

Compliance: ANSI Z359 & CE-EN 795

Removable Anchors

Name	Size	Weight (lb)	Breaking Strength (lbf)
1" Removable Concrete Anchor	1"	1	10,000
3/4" Removable Concrete Anchor	3/4"	4	5,000
3/4" Toggle Lok Anchor	3/4"	45	5,000

Compliance: ANSI Z359 & CE-EN 795

Steel Slings

Name	Breaking Strength (lbf)
5k Wire Rope Sling	5,000
5k Wire Rope Sling Choker	5,000
5k Wire Rope Sling Swivel Ends	5,000

Compliance: ANSI Z359

Swivel Anchors

Name	Weight (g)	Breaking Strength (lbf)
Zinc Plated Mega Swivel 5k	386	5,000
Plated Steel Mega Swivel 10k	544.3	10,000

Compliance: ANSI Z359 & CE-EN 795

Cord and Webbing

Sewn Cord

Name/Diameter	MBS (lb)	MBS (kN)
HollowBlock2™	3,147	13.0
6 mm AutoBlock	2,810	12.5
6 mm Purcell	2,810	12.5
7 mm Bearer Tie-In	3,822	17.0
7 mm Head-End Litter Spider	3,822	17.0
8 mm Bound Loop Prusik	4,496	20.0

MBS=Three-sigma minimum break strength

Sewn Cord *cont.*

Name/Diameter	End-to-End MBS (lb)	End-to-End MBS (kN)
RIT Bound Loop Prusiks	5,418	24.1
RIT Thimble Prusik	5,418	24.1
RIT Eye-and-Eyes	6,744	30.0
8 mm Flex™ Hitch Cord	5,418	24.1
10 mm Flex™ Hitch Cord	5,395	24.0
Rope Rod*	5,418	24.1

MBS=Three-sigma minimum break strength

** Straight pull*

Lanyards, Fliplines and Anchors

Name	MBS (lb)	MBS (kN)	Lengths available
TriTech Flipline	5,418	24.1	10, 12, 16'
Tech11 Flipline	5,418	24.1	10, 12'
SafetyPro Lanyard	5,170	23.0	0.6, 0.8, 1 m
Phenom™ Dynamic Lanyard	5,411	24.1	0.4, 0.5, 0.6, 0.8, 1 m
UP Lanyard	5,418	24.1	10, 12'
Adjustable Retrievable Anchor	5,418	24.1	60"

MBS=Three-sigma minimum break strength

Accessory and Prusik Cord

Name/ Diameter	MBS (lb)	MBS (kN)	CE EN 564
1.5 mm	118	0.5	No
2 mm	225	1.0	No
2.75 mm	270	1.2	No
3 mm	472	2.1	No
4 mm	876	3.9	No
5 mm	1,146	5.1	Yes
6 mm	1,843	8.2	Yes
7 mm	2,787	12.4	Yes
8 mm	3,506	15.6	Yes
9 mm	3,102	13.8	No
550 Cord	550*	2.4	No

MBS=Three-sigma minimum break strength

**Average, not minimum*

GloCords

Name/ Diameter	MBS (lb)	MBS (kN)	CE EN 564
2.75 mm	270	1.2	No
3 mm	472	2.1	No
4 mm	876	3.9	No
5 mm	1,146	5.1	Yes

MBS=Three-sigma minimum break strength

High Tenacity Cords

Name/ Diameter	MBS (lb)	MBS (kN)	CE EN 564	Fibers (core/sheath)
5.4 mm V-TX Cord™	3,372	15.0	No	Dyneema®/ Polyester
5.9 mm PowerCord™	4,428	19.7	Yes	Technora®/ Nylon
6 mm XTec™	4,721	21.0	No	Technora/Technora
6 mm TRC™	3,484	15.5	No	Nylon/ Technora
6.8 mm TVac™	3,619	16.1	No	Nylon/ Technora

MBS=Three-sigma minimum break strength

Sewn Webbing

End-to-end	End-to-end MBS (lb)	MBS (kN)	Lengths Available
Anchor Strap	6,744	30.0	3, 6'
Pickoff Strap	4,496	20.0	10-59"
1" 9800 Rabbit Runner	8,093	36.0	4, 6, 8'
Chain Reactor™	3,147	14.0	41, 61.5"
BARC™	6,182	27.5	103, 60"

MBS=Three-sigma minimum Break

Slings

Sling Name	MBS (lb)	MBS (kN)	Lengths Available	CE EN 566
10 mm Dyneema® sling	5,170	23	24, 48"	Yes
12 mm Dyneema sling	5,170	23	10, 24, 30, 48"	Yes
11/16" Nylon sling	5,170	23	12, 24, 30, 48"	Yes
1" Tubular nylon sling	5,170	23	12, 24, 36, 48"	Yes
1" Flat nylon sling	11,240	50	48, 72, 96, 120"	No

MBS=Three-sigma minimum Break

Bulk Webbing

Name/ Diameter	MBS (lb)	MBS (kN)	Lengths Available
11/16" Tubular	3,000	13.3	300' spool
1" Tech Tape Tubular	4,000	17.8	30' web wheel and 300' spool
1" Mil-Spec Tubular	4,000	17.8	30' web wheel and 300' spool
1" Type 18 Flat	6,000	26.7	300' spool
1" Type 9800 Flat	9,800	43.6	150' spool

MBS=Three-sigma minimum Break

Certifications

It's important to purchase your life-safety equipment from respected and certified manufacturers. Part of understanding this significance is knowing whether products are certified, what the certifications mean and how they are applied to each product. As an ISO 9001 Company, Sterling is proud to offer products that are 3rd party tested and meet CE, NFPA, and/or ANSI Standards on life-safety equipment.

- **EN 1891** certifies personal protective equipment for the prevention of falls from a height, specifically low-stretch kernmantle ropes for climbing/access lines. Manufacturing to the CE standard ensures products meet certain quality criteria for work at height.
- **ANSI Z359** is the American National Standard Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components. The standard addresses the variety of equipment being developed in the rapidly growing field of Fall Protection.
- **NFPA 1983** is the National Fire Protection Association's "Standard for Life-Safety Rope and Equipment for Emergency Service." This standard requires that a manufacturer is certified to ISO 9001 and specifies performance, labeling, user instruction and test method criteria for rope, connectors, descent devices, anchors and systems. Third-party testing and certification of our product to this standard ensure that our manufacturing and quality control processes deliver products and systems that work well in technical rope and life-safety applications. Look for certifications at UL's Certification Online Directory at *ul.com/database*.
- **QSLM** is not a standard, but rather a qualification program that incorporates best industry practices based on ISO 9001 certification to pre-qualify manufacturers to supply certain items to fulfill military contracts. Sterling is a QSLM vendor to the US Government.

Warning

High angle operations, fire rescue and technical rope work are potentially hazardous activities and cannot be made safe. Any person using Sterling equipment in any manner is personally responsible for learning the proper techniques involved, and assumes all risks and accepts full and complete responsibility for any and all damages or injuries of any kind, including death, which may result from misuse of any Sterling equipment.

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Safe Working Load (SWL) is the designated maximum working load for a piece of equipment or system based off a predetermined safety margin and the equipment's minimum breaking strength. Agencies and/or users should establish their own SWL guidelines for individual components and for rigged systems.

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