



SAFETY • RESCUE • TACTICAL



20 Years of Advancing Rope Technology

Twenty years ago, Sterling Rope introduced a new type of static rope to a skeptical rescue market. It had a unique sheath construction, with a high carrier count, that provided smooth handling and rappels, plus allowed for more core material, giving it high tensile strength. This rope was our original SuperStatic and soon became a popular favorite among rope technicians in fire, rescue, and industrial safety markets, providing safety solutions in thousands of different rescue scenarios. This year we are announcing a new SuperStatic2™ with improved handling and durability in true, smaller diameters to accommodate a broader range of gear and equipment. We are confident that this rope too will become the new favorite.

Over the years, Sterling has continually led in technical rope innovation with several product line offerings: our high performance, super low stretch HTP™ static ropes; our very unique and highly regarded fire escape ropes, such as FireTech™ and SafeTech™; and recently with our expanded Tech Series™ of high heat resistant, strong, and ultra-durable static ropes. Over ten years ago, we led a hesitant fire rescue community to not only accept sewn terminations, but to now demand them. And, because ropes are so often used in combination with hardware such as pulleys, rigging plates and rappel devices, Sterling created high performing hardware for rope systems that work well and efficiently every time you need them. Sterling's F4™ and F3™ descent control devices when used with our fire escape ropes offer undeniably the most intuitive, simple and certified systems available.

Now, we are proud to introduce another Sterling innovative product - the lightweight, strong, and versatile Lightning™ Hook – available in the basic Lightning and Lightning GT™ with the unique gated slot. These hook options allow us to offer complete certified escape systems in many configurations to suit the needs of your department.

Sterling Rope products are chosen by more rope rescue and rope access technicians, industrial safety workers, arborist, and tactical operators because they perform. Sterling ropes

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are designed to perform well each and every time you use them. This is our mission and has been for twenty years: to create the most technically advanced, highest quality, best performing life-safety rope, cord and gear available.

Performance isn't proven by a test report; performance is proven in the field. Sterling ropes, and innovative products like our F4, and ATSTM[™] rappel device, our AZTEK kit and sewn cord prusiks have been tested in thousands of applications as routine as FDNY escape training, as challenging as blade repair work on wind turbines in Alaska, and as crucial as mountain rescue in war zones. Sterling Rope products are engineered to make the work you do safer, easier, and more efficient, regardless of the situation, environment or condition.

Since 1993, Sterling Rope has had a goal of being a different and better rope company. We specialize in life-safety and to that end, have extended our expertise into designing hardware and systems, utilizing rope and gear, to help keep people safe in the vertical world. As all solid rescue systems are backed up, so too are our products with the industry's best customer service and assurance of quality by our ISO 9001 certification. It is part of our culture and we take this extremely seriously. We appreciate what can happen in the vertical world. We understand that what you do matters, and this drives us to create innovative, life-safety products that work incredibly well, and last for a long time.



SuperStatic2



Lightning GT[™]



Lightning[™]



Tech11[™]

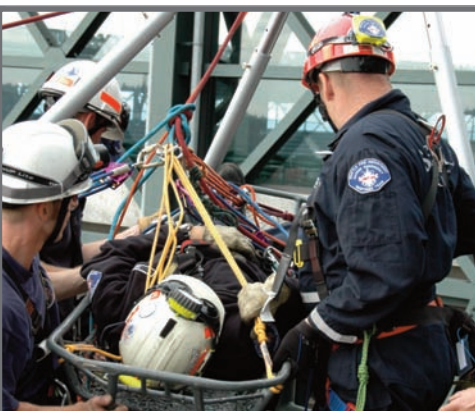
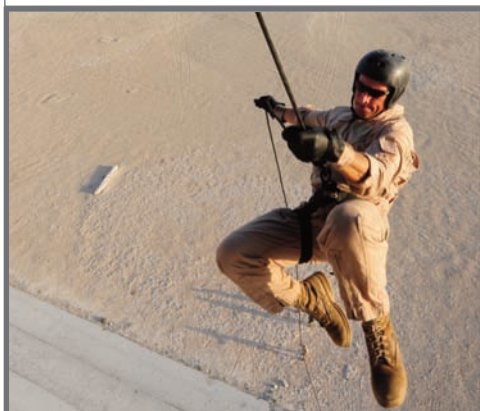
F4 Fire Escape System
with Lightning hook



SUPERSTATIC2™

Sterling spent two years engineering, improving and testing new nylon static cores. Our goal was to improve the overall handling characteristics of our SuperStatic nylon ropes, allowing for a greater range of gear compatibility, without diminishing strength or durability. The result is our new line of SuperStatic2 ropes. These ropes feature diameters that are slightly smaller, with better handling characteristics, and yet still maintain their strength and our signature durability.

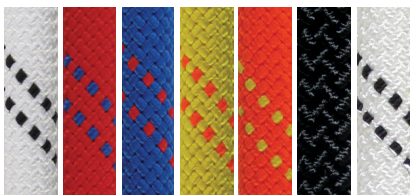
SuperStatic2™ ropes are 100% nylon and excel in many applications, including rope access, technical rescue, rigging, and tactical operations. They are designed with a high denier, and a tight and durable sheath to reduce stiffness, work well through gear, and provide smooth rappels. Our Better Braid Technology™ matches our unique thermodynamic yarn balancing and twist in the core to proper twist and braid construction in the sheath to create a strong, resilient rope with a perfect balance of strength, proper elongation and exceptional handling. These ropes are easy to knot, will stay round, and have optimal elongation when loaded. Engineered and certified to the highest standards, our new SuperStatic2 ropes have been field tested, used and proven by the top instructors, rescue personnel, and rope technicians worldwide.



1/2" SUPERSTATIC2™

New and improved, the best General Use rescue rope now weighs less, is slightly skinnier, but still features high strength. Our new core combined with our unique sheath construction makes this a durable rope with great handling. Plus, the new design allows for a broad range of gear compatibility.

- Ideal for all types of high angle rescue scenarios ; fire service, industrial safety, confined space and work at height
- The professionals' choice for main and belay lines



NFPA 1983, 2012

General

Elongation at 300 lbs

2.0%

MBS lbs (kN)

9,284 (41.3)

Weight (lbs/100')

6.8

Photo Courtesy (clockwise): DOD, Reed Thorne, Rescue 3 Benelux



9mm SUPERSTATIC2™

A lightweight static line that offers high strength in a small diameter.

- Lightweight rappel line or tagline
- Excellent for light rigging and anchors



3/8" SUPERSTATIC2™

New core construction improves handling, and lowers elongation while maintaining its trademark durability.

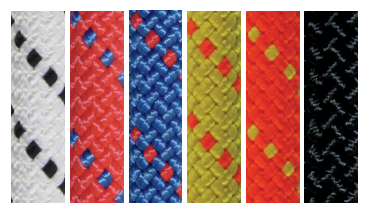
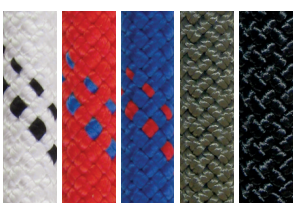
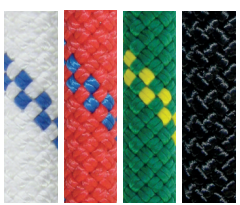
- Compatible with most ascending or rappelling devices
- Great for rigging anchors



7/16" SUPERSTATIC2™

Our completely new 7/16"/11mm is designed to be a versatile static rope to excel in many applications. Its smooth, tight sheath provides smooth and consistent interaction with a wide range of gear.

- Ideal for technical rescues, rope access and mountain operations
- Used as main line or belay in rescue systems



NFPA 1983, 2012	No
Elongation at 300 lbs	3.5%
MBS lbs (kN)	5,260 (23.4)
Weight (lbs/100')	3.7

NFPA 1983, 2012	Technical
Elongation at 300 lbs	3.6%
MBS lbs (kN)	5,170 (23.0)
Weight (lbs/100')	4.2

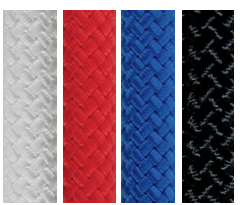
NFPA 1983, 2012	Technical
Elongation at 300 lbs	3.9%
MBS lbs (kN)	6,519(29.0)
Weight (lbs/100')	5.5



5/8" SUPERSTATIC2™

Re-engineered, this heavy duty rope can do some serious lifting. Boasting a 55kN MBS makes this a great rope for big jobs. This is the right rope for any high strength, low stretch application.

- Compatible with many industrial fall protection devices
- Supple hand grips capstans well
- Great haul line for tower construction work



NFPA 1983, 2012	General
Elongation at 300 lbs	2.0%
MBS lbs (kN)	12,364 (55.0)
Weight (lbs/100')	10.7

HTP STATIC™

Sterling HTP (High Tenacity Polyester) ropes are 100% polyester. Our HTP static ropes have proven to be the most durable and best performing static rope available. The benefits of using HTP include having a rope with better overall durability, higher strength, and extremely low stretch. With less stretch, the HTP is a highly efficient rope for haul systems, rope bridges, and industrial rope access work. Polyester is also inherently resistant to moisture, so our HTP ropes do not lose strength nor experience increased elongation in wet conditions.

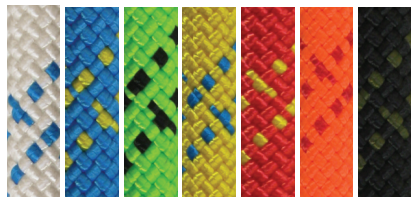
The firm sheath construction of our HTP ropes not only better protects the core, but also provides optimal handling with reduced stiffness. These ropes are great for use in highlines, tower rescue, rope access, water rescue and other applications requiring high strength, low stretch or both. All HTP ropes are certified to NFPA 1983, 2012 edition.



1/2" HTP STATIC™

Its low elongation and high strength make this rope the top choice for mainlines, haul systems and highline use.

- Great for all types of technical rescue, confined space rescue, USAR, and industrial safety
- Use as a main line in tower construction



NFPA 1983, 2012	General
Elongation at 300 lbs	0.9%
MBS lbs (kN)	9,081 (40.4)
Weight (lbs/100')	8.0
CE0120	

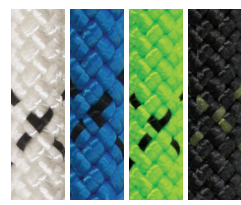
Photo Courtesy (clockwise): Joe Klementovich, Reed Thorne, Rescue 3 Benelux



9mm HTP STATIC™

A small diameter, lightweight, versatile static rope with super low-elongation.

- Great for SAR teams or for tower crews
- Ideal for lightweight hauling, anchors and water rescue



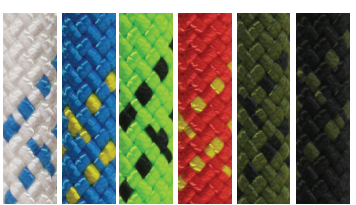
NFPA 1983, 2012	Escape
Elongation at 300 lbs	0.8%
MBS lbs (kN)	5,170 (23.0)
Weight (lbs/100')	4.2



3/8" HTP STATIC™

Lightweight static with super low elongation and superior abrasion resistance.

- Perfect for haul lines, access lines and z-drag systems
- Great for lightweight taglines for tower work and military rope bridges



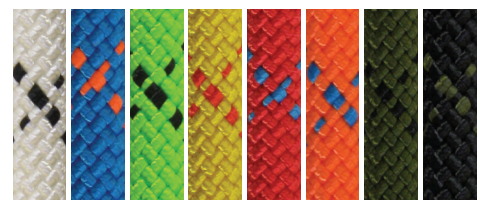
NFPA 1983, 2012	Technical
Elongation at 300 lbs	1.4%
MBS lbs (kN)	5,979 (26.6)
Weight (lbs/100')	5.3
CE0120	



7/16" HTP STATIC™

A multi-use rescue and rappel rope that is inherently dry, and has high chemical and abrasion resistance.

- Perfect for rope access, haul systems, and mountain rescue



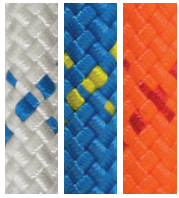
NFPA 1983, 2012	Technical
Elongation at 300 lbs	2.4%
MBS lbs (kN)	6,856 (30.5)
Weight (lbs/100')	6.5
CE0120	



5/8" HTP STATIC™

The ultimate in a strong workhorse rope, our 5/8" HTP is designed for the high strength applications needed in tower construction, bridge work and industrial safety.

- Great for fall protection



NFPA 1983, 2012	General
Elongation at 300 lbs	1.4%
MBS lbs (kN)	12,993 (57.8)
Weight (lbs/100')	12.5
CE0120	



SAFETYPRO™

Sterling Rope engineered the SafetyPro™ series to meet the demands of work access and rescue professionals. These 100% nylon ropes have a great balance of durability, elongation, supple hand and superb knotting ability that is required for work at height. They are the preferred rope of industrial rope access technicians around the world, and are CE certified to EN 1891, Type A.



Photo Courtesy: Rescue 3 Benelux



10mm SAFETYPRO™

Its balanced construction makes this the perfect rope for lightweight work at height or for military and tactical operations.



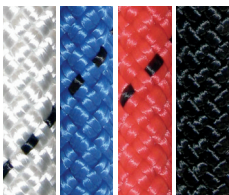
10.5mm SAFETYPRO™

Designed as a technical work and rescue line, the SafetyPro 10.5mm has excellent abrasion resistance and is the perfect option for rappel and backup lines.

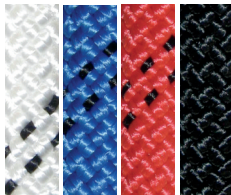


11mm SAFETYPRO™

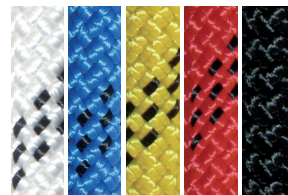
The workhorse of the SafetyPro series, the 11mm offers a smooth, firm sheath that allows the rope to run easily through gear. A technical work and rescue line, the 11mm is manufactured to meet the demands of rope access professionals.



EN 1891	Type A
Elongation 50 kg to 150 kg	3.2%
Elongation at 300 lbs	4.5%
Static Strength lbs (kN)	5,575 (24.8)
Impact force @ fall factor 0.3	5.5 kN
Weight (lbs/100')	4.2
NFPA 1983, 2012	Technical



EN 1891	Type A
Elongation 50 kg to 150 kg	3.5%
Elongation at 300 lbs	2.8%
Static Strength lbs (kN)	6,115 (27.2)
Impact force @ fall factor 0.3	5.5 kN
Weight (lbs/100')	4.7



EN 1891	Type A
Elongation 50 kg to 150 kg	3.0%
Elongation at 300 lbs	3.3%
Static Strength lbs (kN)	7,306 (32.5)
Impact force @ fall factor 0.3	5.8 kN
Weight (lbs/100')	5.1
NFPA 1983, 2012	Technical



TECH SERIES™

Sterling Rope was first to use Technora® fibers in high performing life-safety rope. Our extensive use of Technora throughout our product line has given us expertise with this fiber. Rope in our Tech Series use Technora in innovative sheath constructions to provide maximum resistance to abrasion, cutting, chemicals and high heat. They are engineered to be very strong and durable, while handling extremely well.



Photo Courtesy: Remote Access Technology



TECH125™

The most durable, strong and heat resistant static rope we make. The Tech125 is perfect for roof rescue and other high-heat and abrasion intensive activities. With a heat and cut resistant Technora sheath and a balanced nylon core, the Tech125 offers extreme durability in a general use size rope.

Diameter	12.5 mm
NFPA 1983, 2012	N/A
Elongation at 300 lbs	2.1%
MBS lbs (kN)	10,183 (45.3)
Weight (lbs/100')	7.0
Fibers (sheath/core)	Technora/Nylon



TECH11™

Designed for the punishing demands of arborist work, the Tech11 withstands the rigors of any hazardous work environment. The Technora sheath provides outstanding durability, while gear compatibility, smooth handling and elongation characteristics and comes from the nylon core. The Tech11 is the only 11mm (7/16") diameter rope that is certified NFPA 1983 General Use. A great choice for sites where "hot" hazards exist. Meets ANSI Z133.1

Diameter	11 mm
NFPA 1983, 2012	General
Elongation at 300 lbs	4.1%
MBS lbs (kN)	9,014 (40.1)
Weight (lbs/100')	5.9
Fibers (sheath/core)	Technora/Nylon



TRITECH™

TriTech offers innovative Triple Performance Technology™ in this extremely rugged 11mm rope. Engineered for high resistance to cutting, inside the TriTech is a unique Dyneema® diamond braid jacket over our nylon core. The outer Technora sheath provides heat, cut and abrasion resistance, and our high carrier count construction delivers for superb handling characteristics. Meets ANSI Z133.1

Diameter	11 mm
NFPA 1983, 2012	N/A
Elongation at 300 lbs	1.9%
MBS lbs (kN)	8,329 (37.0)
Weight (lbs/100')	5.8
Fibers (sheath/core)	Technora/Dyneema-Nylon



TACTICAL RESPONSE™

A favorite of the Pararescue community, this rope is extremely durable in a lightweight and compact size. Technora sheath ensures high strength and maximum toughness to handle any rescue. Small and light at 9.5mm, take this rope on any tactical operation.

Diameter	9.5 mm
NFPA 1983, 2012	Technical
Elongation at 300 lbs	3.9%
MBS lbs (kN)	6,744 (30.0)
Weight (lbs/100')	4.3
Fibers (sheath/core)	Technora/Nylon



No synthetic fiber rope can be made completely cut-proof, fireproof, or dielectric. It is imperative that users follow proper techniques and prescribed safety precautions to protect your rope and yourself.

ESCAPE ROPES

Sterling has an extensive and proven line of high performance Fire Escape Ropes. Our escape ropes are engineered to balance a technical, durable sheath with a strong, yet supple core to provide outstanding performance for critical applications and challenging environments. Sterling uses high performing aramid yarns, such as Technora® and Twaron®, in unique small diameter constructions to achieve resistance to cutting, chemicals and extreme heat, while providing optimal handling, and high strength. Combined with our revolutionary F4™ descent control device, our ropes provide the perfect escape option for firefighters and tactical personnel.

All Sterling Fire Escape ropes are available with our proprietary sewn eye terminations using our Technora thread.

All Sterling Fire Escape ropes and sewn terminations are certified to NFPA 1983, 2012.



FIRETECH™

FireTech was the first certified 100% Technora escape rope ever made. This 7.5mm rope offers high heat and cut resistance, plus has a 3-Sigma MBS of 5732 lbs. The only escape rope used by FDNY in their PSS (Personal Safety System); it passed FDNY's rigorous testing program. FireTech retains more of its strength after repeated exposures to elevated temperatures, and offers a longer burn-through time than mixed fiber ropes.

Diameter	7.5 mm
NFPA 1983, 2012	Fire Escape
Elongation at 300 lbs	0.8%
MBS lbs (kN)	5,732 (25.5)
Weight (lbs/50')	1.5
Fibers (sheath/core)	Technora/Technora
CE0120	

Photo Courtesy (clockwise): Louis Torrierir



SAFETECH™

Engineered with our highly durable Technora sheath, and high performance nylon cores, SafeTech is the ideal escape rope. SafeTech's sheath is resistant to high heat, chemicals and cutting, while the core provides strength, gear compatibility and better elongation to reduce anchor loads. Performing excellently with the F4, SafeTech provides an easy payout, a smooth controlled descent, and packs well into bags.

Diameter	8.0 mm
NFPA 1983, 2012	Fire Escape
Elongation at 300 lbs	6.8%
MBS lbs (kN)	4,383 (19.5)
Weight (lbs/50')	1.4
Fibers (sheath/core)	Technora/Nylon



ESCAPETECH™

EscapeTech is the most compact certified escape rope available. Unique Technora sheath and nylon core construction optimizes strength, heat resistance and handling. The nylon core provides structure for gear compatibility, yet allows for easy packing into a bag or pocket.

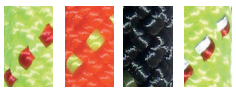
Diameter	7.5 mm
NFPA 1983, 2012	Fire Escape
Elongation at 300 lbs	4.4%
MBS lbs (kN)	3,911 (17.4)
Weight (lbs/50')	1.4
Fibers (sheath/core)	Technora/Nylon

CE0120



8mm PER

This compact, lightweight and 100% nylon rope is a great economical option for escape kits. The 8mm PER features high tensile strength and a unique, and highly durable sheath. Also available as SafetyGLO™ that features a reflective tracer in the sheath.



Diameter	8 mm
NFPA 1983, 2012	Escape
Elongation at 300 lbs	5.3%
MBS lbs (kN)	3,484(15.5)
Weight (lbs/50')	1.5
Fibers (sheath/core)	Nylon/Nylon

NFPA Elevated Temperature Rope Test

The release of the 2012 edition of the NFPA 1983 standard included a new category of ropes, the Fire Escape Rope, which adds new requirements to the previous Escape Rope category. Ropes certifying to Fire Escape must pass two heat tests in addition to the standard strength test and diameter requirements. The first heat test requires that the rope support a 300-pound load in an atmosphere of 752°F (400 C) for a minimum of five minutes without failure. The second test requires a new sample to support a 300-pound load at 1112°F (600 C) for a minimum of 45 seconds. It is important to note, however, that all aramid fibers such as Kevlar® and Technora® begin to breakdown above 900°F.

This test is also a useful benchmark for ropes that are not designed for firefighter personal escape, but are still used in extremely hot areas. There has been growing interest in heat resistant ropes for professionals working in environments with hazards

caused by elevated temperatures, such as refineries, power generation plants and industrial sites, as well as for firefighters performing team based roof rescue operations. Ropes in our Tech Series, such as the Tactical Response and Tech11, tested to this standard gives professionals in access and rescue critical data to help them select the right rope for a job involving heat hazards.

As shown in the graph, all Sterling Fire Escape Ropes passed the required testing. The above mentioned Tech Series ropes with Technora sheaths also passed the temperature requirements, giving technicians who work in hot areas an important option for rope selection providing additional levels of protection.

Rope Name	752°F (400°C)	1112°F (600°C)
	(must hold for 5 min)	(must hold for 30 sec)
FireTech	Test stopped at 7:30	1:50
EscapeTech	Test stopped at 8:30	1:45
SafeTech	Test stopped at 8:30	1:15
Tactical Response	Test stopped at 8:30	1:50
Tech11	Test stopped at 8:30	2:02



SEARCH ROPES

Search lines are an integral tool for rescue and tactical operations. Sterling's unique search lines were designed for the many different and challenging situations that arise during fire operations. 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 constructions create ropes that have optimal handling, high strength and are heat and cut resistant.



Photo Courtesy: Eric McCallister



RIT 900™

The original heat resistant search line, the RIT 900's hollow braid construction packs easily into a pocket or bag. Made of 100% Twaron, this line is heat resistant up to 932° Fahrenheit and is very resistant to abrasion and chemicals, making the RIT 900 a great choice as a primary or personal search line.

Diameter	6.8mm
NFPA 1983, 2012	N/A
Elongation at 300 lbs	2.6%
MBS lbs (kN)	4,136 (18.4)
Weight (lbs/50')	.9
Fibers (sheath/core)	Twaron/ None



RIT RESPONSE™

The RIT Response was designed for RIT/RIC use in fireground search and rescue. The flexibility of this rope facilitates packing and deployment, while the diameter allows it to be located and handled with gloved hands in low visibility conditions. The heat resistant sheath features directional tracers and provides security and strength, protecting against high temperatures.

Diameter	9.0mm
NFPA 1983, 2012	N/A
Elongation at 300 lbs	1.9%
MBS lbs (kN)	6,968 (31.0)
Weight (lbs/50')	2.1
Fibers (sheath/core)	Twaron/ Polyester



SEARCHLITE™

Developed for and used by FDNY for search operations. SearchLite's innovative construction uses reflective fibers to increase visibility of the sheath, and Technora and nylon core yarns to enhance strength, cut resistance and maintain integrity should the rope be exposed to high heat.

Diameter	7.5mm
NFPA 1983, 2012	N/A
Elongation at 300 lbs	1.6%
MBS lbs (kN)	3,012 (13.4)
Weight (lbs/50')	1.3
Fibers (sheath/core)	Nylon/Nylon-Technora





WATER RESCUE

Swiftwater, ice and flood environments present difficult challenges for rescue personnel. Our ropes perform in these harsh conditions with high strength, excellent flotation, and great durability. 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 and Dyneema® fibers. The result is ropes with higher tensile strengths, greater durability and much better performance than “economy” throwlines.

Sterling offers three distinct models of water ropes to meet your agency or team’s water rescue needs.



Photo Courtesy: Eric McCallister



WATERLINE™

This buoyant rope features a polypropylene sheath for maximum floatation and a nylon core for strength. Available in four sizes from 5/16” (8mm) up to 1/2” (12.5mm), these ropes provide rescue personnel with a range of options to meet their specific needs. Ideal for swiftwater, flood, and ice rescue applications.

	MBS	Certification
5/16”	1,596 (7.1kN)	N/A
3/8”	3,416 (15.2kN)	NFPA, CE
7/16”	4,406 (19.6kN)	N/A
1/2”	5,754 (25.6kN)	N/A



GRABLINE™

GrabLine features a high tenacity polypropylene “tread-like” sheath pattern to give rescuer extra gripping power and to provide better buoyancy. The nylon core adds strength and keeps the rope flexible for throwbag storage and deployment.

	MBS	Certification
3/8”	3,282 (14.6kN)	NFPA, CE



ULTRALINE™

Our UltraLine series integrates a high strength, braided Dyneema core with a polypropylene sheath. The Dyneema provides superior strength over standard float ropes while maintaining great handling characteristics.

	MBS	Certification
1/4”	2,495 (11.1kN)	N/A
3/8”	5,239 (23.3kN)	N/A



ROPE BAGS



Mercury™ Lumbar Bag

The Mercury bag is a lumbar-style bag designed to carry and stow 50-feet of Sterling escape rope, the F4 device, and an anchor hook. Constructed with durable, fire resistant materials, it has a tear-away flap with extended handle for ease in deploying the system. The system sits behind the firefighter with little to no interference with SCBA.



F4-50™ Bag

The F4-50™ bag has been re-designed for greater comfort with a lower profile. Using a heat-resistant and durable fabric, this escape bag is compact, yet easily stores 50 feet of any of our fire escape ropes. The hook or anchor stores in the covered secure pocket. Two anti-debris flaps contains all of this under a large outer flap, held closed by heavy-duty Velcro.



Searchlite™ Bag

This bag was designed for RIT search operations and is large enough to hold over 220 feet of SearchLite or 9mm RIT Response. Reflective tape ensures visibility. Inside, there is both an internal grommet and a tie off loop at bottom. Two seat belt buckles on the shoulder strap allow for quick release in an emergency.



Climbing Rope Bag

Our lightweight rope bag with removable tarp and zipper pocket holds up to 80 meters of rope. Two straps with durable metal hook fasteners, cinch tightly to compress the load. The dual adjustable strap with sliding pad carries comfortably on either shoulder.



Rescue Rope Bags

Made of durable nylon, these rope bags come equipped with two top handles, a grommeted bottom for drainage, a clear front pocket, and adjustable shoulder straps on the medium and large bags. Small: 200ft of 3/8"; Medium: 200ft of 1/2"; Large: 400 ft of 1/2".



Photo Courtesy: Louis Torrieri

LANYARDS

Sterling began making dynamic and static rope lanyards over 15 years ago. We saw the need for sturdy, compact “eyes” to replace bulky knots and swaged ends. We have developed unique, strong sewn tacks and eye terminations for all of our life-safety rope and cords to meet the various requirements of our diverse customers. Sterling Rope lanyards are made from the same high performance ropes that provide the security, strength and toughness needed in work and rescue applications. While each of our lanyards come in standard lengths and configurations, Sterling is happy to work with you to design a custom lanyard to meet your need.



Photo Courtesy: Sean O'Conner



SafetyPro™ Lanyards

The SafetyPro lanyard features the 10.5mm semi-static SafetyPro rope, and offers a secure, static positioning option. Available in .6M, .8M and 1M lengths. Meets ANSI Z133.1



Marathon™ Lanyards

A staple of the rope access technician's kit, Marathon lanyards are created from our dynamic Marathon Ultra rope (10.7mm, see page 24). The compact sewn eyes offer a clean, consistent and high strength alternative to tied cows tails. Available in .5M, .6M, .8M, 1M and 2M lengths.



Y-Knot™ Lanyards

The Y-Knot lanyards are offered as either a twin-leg or offset lanyard using the 10.5mm SafetyPro. These lanyards allow for climbing past intermediate anchor points while remaining attached to the system. Available in Long (1m), Short (65cm), Offset (65/100cm).

Positioning Lanyards

Used in arbor and industrial work applications, positioning lanyards or “fliplines” offer secure attachment or movement. Sterling's experience in creating very tough, long-lasting rope with great handling characteristics combined with our extensive expertise in designing strong sewn eye terminations, gives you a wide range of flipline offerings. Standard fliplines are offered in 10 ft and 12 ft lengths with the option of sewn eye terminations on one or both ends. Custom lengths for all lanyards are available.

- SafetyPro Flipline – For great handling and durability at an economical price. SafetyPro has good energy absorption and is very compatible with prusiks and rope grabs. Meets ANSI Z133.1
- Tech11 Flipline – Technora sheath in a tight braid construction gives superior heat and abrasion resistance, along with incredible durability to provide the security you need in hazardous work environments. Meets ANSI Z133.1
- TriTech Flipline – When cutting close to your protection or sharp edges are a concern, the TriTech, with its incredibly durable Technora sheath over our unique Dyneema jacket/nylon core, is the lanyard to use. Strong and rugged, this flipline is still supple enough to move and position easily. A great alternative to wire core lanyards. Meets ANZI Z133.1.



HARDWARE

Twenty years of producing the most innovative, highest quality and best performing life safety rope and cord has taught us a lot about hardware. Understanding the specialized applications in which rope and hardware interact allows us to design innovative products to be used collectively in rescue systems and perform flawlessly together. Using only the high quality materials, Sterling's hardware is precision manufactured to create products with exceptional performance. Sterling is able to offer fully integrated rope and hardware solutions for simple to complex work, rescue, and tactical situations. Just like all of our rope products, Sterling Rope hardware is manufactured in the USA.



Photo Courtesy (clockwise): Louis Torrieri, ATS, Louis Torrieri



Lightning GT™

Lightning™

Sterling Rope changed fire escape operations with our introduction of the FireTech escape rope. We simplified and revolutionized bailouts with the addition of our F4 descent control device. Now to complete the system, we offer our innovative, simple and certified Lightning and Lightning GT™ Hooks.

LIGHTNING™ HOOKS

At less than 8 ounces, these lightweight aluminum Lightning hooks offer a functional design with either a hitching slot or innovative wire gate for secure and rapid remote anchoring. The design of the Lightning hooks help to take the guess work out of the most fundamental step of the creating a fail-safe anchor. Made of 7000 series, aircraft grade aluminum and precision machined to our exact specifications, the Lightning hooks are certified to hold loads up to 3000 pounds at the tip. When combined with the F4™ and any one of our Fire Escape ropes, the Lightning GT creates a versatile, exceptionally easy to use system for rapid egress.



F4™

The F4 is an innovative device that gives firefighters an advanced, yet simple tool for emergency egress. This lightweight (6 oz) aluminum device, with its durable design, is engineered to allow easy horizontal and controlled vertical movement. The auto-locking feature adds security and confidence for a hands-free exit of a structure. The F4 can be used by all sizes of firefighters with either left or right hand. Its low profile shape packs easily in any bag and is available in many different system configurations.

To see the F4 and F4 FireTech Escape System in action, please visit sterlingrope.com/video or use the QR code.



F3™

The F3 is a smaller, lighter version of the Sterling F4. This device was designed to work with our 6mm TRC Technora cord to offer a lightweight, compact, emergency egress system. The F3 is engineered with a double-action lever to give a brake assist in the event of a “panic grab”. The auto-brake feature allows for a fast and hands-free exit from the structure. This is the perfect device for bucket truck evacuations, emergency rappels or for tactical operations.



Photo Courtesy: Louis Torrieri



ATS™

Designed and developed by Sterling Rope and Alpine Training Services, the ATS (All Terrain ‘Scender) is a versatile, lightweight rappel device. When properly used, the ATS offers a wide range of control for rope work, including a unique self-rescue solution. The curved frame allows the ATS to be positioned so that the top wear bar can add or minimize friction, complementing a wider range of ropes for single or double rope rappelling techniques. The four hyper horns allow universal loading of the brake line to add friction mid-descent. The functional and patented design of ATS allows your rope to be installed into the device without removing the ATS from the harness or anchor. The heat-rated grommet insert keeps the device oriented correctly to help prevent cross-loading of your carabiner. The ATS is truly a universal tool for any vertical work.



SR R8™

The Sterling Rope R8 is made for high-angle rescue work. The R8 is larger than a standard figure 8, which will help the device to dissipate heat better and be easier to use with larger diameter ropes. The “ears” or “horns” will allow for additional friction of the rope when rappelling or lowering heavier loads and can also be used when tying off.



SR RIG PLATE

The SR Plate is designed to easily organize your work area and provide multiple anchor points. Engineered using 6061-T6 aluminum, the SR Plate offers the highest tensile strength while minimizing weight. Features include 5 teardrop-shaped connection holes that help center carabiners within each hole and keep multiple carabiners from overcrowding a central spot. The SR Plate is ideal for facilitating a more efficient and organized rigging system.



SR EAGLE

- Large Pear
- Available in Screwlock or Autolock



SR STEEL

- D-Shaped
- Available in Screwlock or Autolock
- Certified to NFPA 1983
- Autolock meets ANSI Z359.3 and CE EN 12275.



SAFE-D

- D-Shaped
- Available in Twistlock (2-stage) or Autolock (3-stage)
- Certified to NFPA 1983



SR OSPREY

- Oval Shape
- Available in Screwlock or Autolock
- Black Only



SR HAWK

- D-Shaped
- Available in Screwlock or Autolock



SR NLD

- D-Shaped
- Oversized Non-locking D carabiner



SR FALCON

- Mini Pear
- Available in Screwlock or Autolock
- Available with Talon™ feature, to keep carabiner from cross-loading.



Snaphooks

ISC's triple action snap hook requires three separate actions to open to ensure safe positioning. It is perfect for use on flielines and adjustable lanyards in tree work activities. The double action snaphooks fit easily in the hand and open with smooth action. The latch design provides lateral stability in the gate.



Crosby Anchor Hook

The original portable anchor hook designed for the FDNY PSS. This forged alloy steel hook facilitates anchoring at the window or point of egress. A high strength rating ensures the hook will not deform even when fully loaded at the tip, or when exposed to extreme heat. The geometry of the Crosby hook offers the most security for placement on any surface. Certified to NFPA 1983



SR MSP

- Rope < 11mm
- Prusik minding design
- Available in two colors



SR MDP

- Rope < 11mm
- Prusik minding design
- Double sheave



MICRO PULLEY

- Rope < 11mm
- Fixed sideplates



SR PMP

- Rope < 13mm
- Prusik minding design
- Double sheave
- Certified to General Use



SR PMP2

- Rope < 13mm
- Prusik minding design
- Double sheave
- Certified to General Use



RESCUE PULLEY

- Rope < 13mm
- Certified to Technical Use



AZTEK Omni Blocks

These specialized pulleys are built for our AZTEK Rescue System. Machined from a solid block of high strength aluminum, they are engineered to handle high loads. The swivel eye connection eliminates twisting of the rope and can accommodate up to three carabiners. Each block is a different color to ensure differentiation during operation. 36kN MBS

Also available in Black.



SR Swivel

The SR Swivel eliminates line twisting when positioned between the rope and the load. The larger round hole accepts up to three carabiners providing multiple rigging options. Made from high quality 2024 aluminum, the SR Swivel is lightweight and high strength with a 36kN rating. High strength stainless steel axle and sealed ball bearings will keep the swivel operating smoothly for years.

KITS & SYSTEMS

Rope is the most important part, and in fact, the foundation of any rescue or search system. It is critical to assemble your kit with the right equipment to ensure optimal performance when you need it most. For this reason, Sterling kits and systems offer the most extensive choices of components that are designed to work together flawlessly with our ropes. Each system configuration has been tested and used by the best trainers and firefighters to guarantee their use will save time and lives by making your job safer.

We know every department and call area has different needs and specific training protocol. This is why Sterling offers a variety of options for escape kits or certified systems. Each escape kit starts with the F4 device (see page 16) and can be customized with specific ropes, anchors, and carrying bags to ensure the best compatibility with your gear and training.



Photo Courtesy: Louis Torrieri

1



Choose your rope.

All Sterling escape ropes are certified to NFPA 1983, and are additionally tested in the F4. Both the FireTech and SafeTech ropes are certified with the F4 as an Escape System. EscapeTech is packed easily and offers the most compact option. FireTech, SafeTech and EscapeTech passed the NFPA elevated temperature rope test (page 9). PER is an economical choice for non-heat rated applications.

2



Choose your anchor.

The Lightning and Lightning GT hooks offer the most flexible anchor options on the market, with secure attachment at both remote anchors and at the sill (see page 15). The Crosby hook offers an economical and durable steel anchor option, while snaphooks or carabiners are a good choice when anchors can be preplanned.

3



Complete your system.

The ability to neatly and comfortably carry an escape system means that it will not interfere with normal fireground and rescue operations, but can be deployed when needed in a moment's notice. The design of our Mercury lumbar bag, which rides under your SCBA, or the hip mounted F4-50 bag allow for secure attachment and easy system deployment. For systems carried in the pant pocket, the Tech Extension Lanyard (available in 7" or 9") is the appropriate tether to allow the system to be stowed properly.



F4 Escape Kits and Certified Systems

The F4 Escape Systems facilitate fast exits from an elevated structure. These intuitive, advanced systems feature everything needed for a secure and fast egress. All systems utilize the Sterling Rope F4 device, Safe-D carabiner, and 50 feet of one of Sterling's Fire Escape ropes. All components, including sewn eye terminations, are individually certified to NFPA 1983.

Standard Sterling Certified Systems: Certified fire escape systems to NFPA 1983,

- F4 FireTech Escape System with Lightning or Crosby hook
- F4 SafeTech Escape System with Lightning or Crosby hook

(see page 19 for custom configurations)



Photo Courtesy: Louis Torrieri



SearchLite™ Kit

Featuring the reflective, highly visible and rugged SearchLite rope, the Search-Lite kit is an essential tool for search. This configuration is used by FDNY. The Searchlite Kit includes:

- 220 feet of 7.5mm SearchLite. When distance knots are tied, the allows for a 200 foot working line
- Aluminum double locking snap hook sewn to one end, swivel snap at the other
- SearchLite bag (page 13)



RIT Response™ Search Kit

The RIT Response Search Kit is an integral tool for large area search. The RIT Response is a 9mm heat resistant rope that is easy to find with gloved hands, and packs well into our Search bag. The RIT Response kit includes:

- 220 feet of 9mm Response. When distance knots are tied, this allows for a 200 foot working line.
- SearchLite bag (page 13)



Bucket Evac Kit

The Bucket Evac kit is a simple safe solution for getting out of an aerial lift, and back to the ground in the event of an emergency or power failure of the lift. This kit includes:

- F3™ Descent Control Device
- SafeD™ Autolock carabiner
- 75ft of 6.8mm TVAC
- Steel Double Action Snaphook
- Weather resistant bag (optional)



Pocket Hauler™

When extra power is needed, this system creates a 4:1 or 5:1 increase in force, depending on orientation. For use in partner/self rescue, adjustable directionals, piggy-backed haul systems, tensioning lines and multiple other rigging needs. Kit Includes:

- SR Mini-double pulleys (2)
- 50 feet of 8mm rope with sewn eye
- Hawk Autolock Carabiner (2)
- 6mm sewn Ratchet
- Screwlink

AZTEK™ Elite System

Sterling Rope developed the original sewn AZTEK bound loop cords and subsequent system with Reed Thorne of Ropes that Rescue back in 2000. The AZTEK cords and system have evolved and improved since then, but it still remains as the most inventive, multi-functional and compact rescue system available. Utilizing our unique Ratchets, Travel and Edge Restraints with Omni swivel blocks, the AZTEK creates a highly efficient tool. It can be used for edge restraint, load release, litter rigging, haul systems, as an adjustable directional, and more.

Visit www.ropesothatrescue.com for information on training and uses of the AZTEK (Arizona Technician Edge Kit) or sterlingrope.com.



**Ropes That
RESCUE** ©Ltd.

Tactical AZTEK Elite

Available with all black components



A 6mm Travel Restraint

The AZ Travel Restraint attaches the rescuer to the Edge Restraint (B) via prusik hitch for use when working near exposure

- 6mm x 44" sewn bound loop

C 6mm Elite Ratchet

Used as progress capture device on 8mm Edge Restraint.

- 6mm nylon bound loop cord in 9.5" sling.
- Two different colors

E Three SAFE-D™ Twist Lock carabiners

The SAFE-D aluminum carabiner features a removable captive-eye pin for secure attachment and proper orientation on the pulley and anchor.

- Certified NFPA Technical Use
- MBS of 28kN

B 8mm Elite Edge Restraint

Creates a 5:1/4:1 mechanical system when rigged through Omni blocks. One end attached to pulley with sewn eye.

- 8mm x 50' nylon cord with sewn eye

D AZTEK Onmi-Block swivel pulleys

Designed from a solid block of high strength aluminum. MBS of 8,000 lbs (36kN) end to end.

- Double prusik-minding swivel pulleys

F AZTEK Bag

Constructed of rugged nylon, features two distinct compartments and belt.



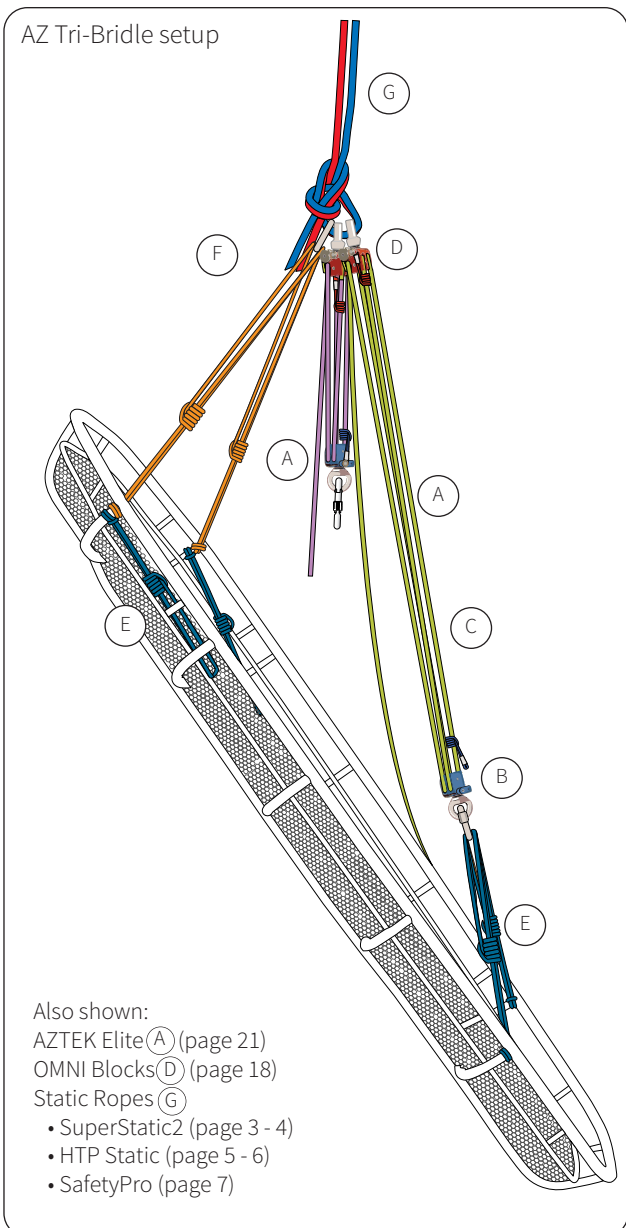
Photo Courtesy (clockwise): Reed Thorne, John Burcham, Reed Thorne, Rescue 3 Benelux

SEWN CORD

Sterling Rope was the first rope company to offer sewn prusiks, and since their inception in the market, we have continued to grow our sewn cord product line. Sewn cord and prusiks offer a sleek, low profile alternative to knots, which can be cumbersome and bulky. Sterling has invested greatly over the years in modern computerized sewing machines that optimize bar tacking to be consistent and of high quality. Sewn bar tacks on rope and cord are stronger than knots because rope-on-rope friction is eliminated along with the bending of the fibers. Sterling offers many different types of sewn cord, prusiks and lanyards in multiple lengths to expand your safety options in the vertical world.

We offer sewn terminations on cord sizes from 5mm up through 9mm, and on rope up to 5/8" diameters. Our products are tested both in-house using 3-Sigma calculations and some of our products are certified by third-party authorized organizations.

Special thanks to Reed Thorne and Tom Pendley for the use of this image from the Technical Rescue Field Operations Guide. To learn more visit ropesthatrescue.com.



6mm Sewn Cord



- Travel Restraint
- Elite Ratchet (B)
- Long Purcell
- Short Purcell
- Chest Purcell
- Auto Block
- 6.9mm Hollow Block (shown)

7mm Sewn Cord



- Bearer Tie-In (E)
- Head End Litter Spider (F)
- Sewn Cordelette (shown)

8mm Sewn Cord



- Bound Loop Prusik Long (shown)
- Bound Loop Prusik Short
- Edge Restraint* (C)
- Thimble Prusik

All 6mm, 7mm, and 8mm sewn product specs can be found under 'sewn loop' at the top of page 30 unless otherwise noted.

*See 'sewn eye' for specs on this product.

Sewn Terminations



Sterling offers sewn eye terminations for almost all of the ropes and cords we manufacture. Sewn eyes provide a high strength and secure connection point on the rope. By optimizing the tack patterns and matching the appropriate thread to the rope, our computerized stitching programs guarantee consistency and high strength. Sewn terminations are available with many optional connectors and thimbles. Contact us for more information.

DYNAMIC ROPES

Sterling Rope manufactures the best performing dynamic ropes for climbing and professional use. Their performance and durability have been proven in the harshest conditions around the world by guides, climbers, and military operators. Our Thermodynamic Balancing process gives our dynamic ropes the perfect ratio of elongation to low impact forces, without sacrificing durability. All Sterling dynamic ropes have DryCore™ to maintain strength and performance in wet or humid conditions. Our DryCoat™ process treats the sheath fibers with a dry coating we developed to create a long lasting barrier to water.

Sterling produces a full range of dynamic ropes including ropes that meet military specifications. All Sterling ropes are manufactured in the USA and are Berry Amendment compliant. With available lengths from 30-80M, in standard and DryCoat finish, plus our unique BiColor / BiPattern options, Sterling has the dynamic rope to meet your needs.



FUSION™

Sterling Fusion ropes are most technically advanced dynamic ropes available. They are engineered for climbing where weight is critical to mission success. Each Fusion rope has an innovative construction to provide a perfect balance of performance, weight, and durability. Dual certification on the Nano™ and Photon™ gives flexibility for a wide range of uses. These lightweight ropes are ideal for long routes, mountaineering, and extended trips. All ropes are certified to UIAA 101 and EN 892.

9.4mm Ion²™

- High performance and lightweight dynamic single.

9.2mm Nano™

- Lightest weight 9mm dynamic rope available
- Dual certified as UIAA single and half rope

7.8mm Photon™

- Lightest weight, smallest diameter half rope on the market.
- Dual certified as UIAA half and twin rope.

Photo Courtesy: Alpine Training Services



EVOLUTION™

The Evolution ropes are the original Sterling dynamic ropes. Improved throughout the years, they continue to excel around the globe and are the work rope of choice for top climbers. Evolution ropes are engineered to give you the ideal balance of properties needed in a dynamic rope; low impact forces, light weight, and great durability. The smooth, tight sheath construction produces less drag through gear and over rock. Featuring Dry-Core™, your rope will always perform, even in wet and icy conditions. All ropes are certified to UIAA 101 and EN 892.

10.2mm Kosmos™

- Great all around dynamic rope

9.8mm Velocity™

- High performance and versatility for rock, alpine, and ice climbing.

8.4mm Duetto™

- Lightweight half rope perfect for mountain travel, alpine, rock, and ice climbing.
- Also available in 30M and 40M lengths for glacier and alpine travel.



MARATHON™

The trademark of the Marathon rope is its incredible durability due to its thick sheath construction. Marathon ropes are perfect for professional and high abuse applications like training centers, schools, and guide services. Engineered for performance in the field, all Marathon ropes feature Sterling Rope's exclusive DryCore™. All ropes are certified to UIAA 101 and EN 892.

11mm Mega™

- The most durable dynamic rope available.

10.7mm Ultra™

- The workhouse of the Marathon series.

10.4mm Sport™

- Great performance and durability in a lighter weight rope.

10.1mm Pro™

- Chosen by Marine Corps Mountain Warfare Training Center for Assault Climbing Kits.
- Meets A-A-59835 Type III Class 1

8.8mm Half

- Ideal for ice climbing, ski mountaineering, and glacier travel.
- Meets A-A-59835 Type II, Class 1.



Sterling developed DryCore™ to create a better performing, safer dynamic rope. DryCore is our proprietary process that coats each core fiber with a finish we developed to prevent water absorption, minimize yarn-on-yarn abrasion, and optimize fiber performance under impact loads. DryCore keeps your rope strong and performing well in a wide range of weather conditions. Only Sterling has DryCore.



DryCoat™ is our proprietary rope treatment designed to greatly inhibit water absorption to keep your rope strong and light. DryCoat also considerably reduces rope wear and the risk of freezing.



Military Mountain Operations Kits

Sterling Rope manufactures the full range of rope and cord to meet military mountaineering and climbing kit requirements. Our ropes have been integrated into military climbing kits and have proven their superior performance for years at both the Marine Corp and Army Mountain Warfare Schools. These kits give soldiers increased mobility and security in steep to high angle mountain terrain. Our ropes are manufactured in the USA and are Berry Amendment compliant.

Typical Mountain Kit Components:

- 6mm-8mm Accessory Cord
For their size, our cords offer high strength, and great handling for prusiks, cordelettes, and anchors.
- 10mm SafetyPro Static
Extremely durable and high strength static rope for rope bridges, Tyrolean, and fixed lines for secure travel on steep terrain.
- 10.1mm Marathon Pro
Legendary durability and handling now available in new digital camo patterns: Standard and BiPattern options.



Photo Courtesy: Outdoor Research

FAST ROPES

Developed for use on the V22 Osprey, this ballasted FAST rope performs especially well in high prop wash or turbulent conditions. A lead-ballasted core minimizes the rope's harmonic movement below the aircraft to facilitate insertion. A Spectra® fiber core adds strength and improves cut resistance. If the sheath yarns are cut, it will not compromise rope strength as it does with a standard fast rope. This rope features a stainless steel thimble termination, and can be configured with the standard eight-loop FRIES extraction. The eye termination is designed to accept two carabiners for aircraft connection, and allows the user to grip the rope more safely higher up. Available in weighted and non-weighted constructions, in 60 ft, 90 ft, and 120 ft lengths.



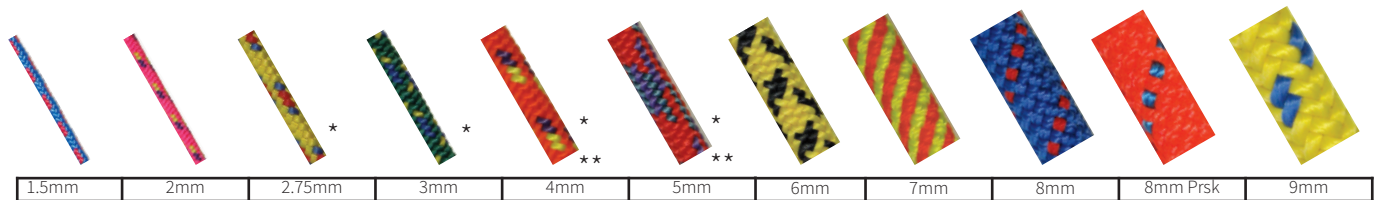
TRAINING CENTER

Sterling recognizes the importance of hands-on training. For this reason, Sterling designed and built an in-house training center at our manufacturing facility. Not only is this a great place for training; it also provides us a place to test our products in simulated applications. The center is complete with a large classroom, instructor's office, an overhead projector and computer hookups. Rope training takes place in an open two-story area that features windows and a parapet for bailout or rappel training, a 30-foot tower for work at height and industrial rescue exercises. Overhead anchors, structural beams and truss simulate a work environment, while floor anchors, such as steam radiators, building columns and door jams allow for realistic training scenarios. The Training Center has been utilized for SPRAT (Society of Professional Rope Access Technicians) certification courses, wind turbine access and rescue training, and for F4 Escape and firefighter safety and survival courses. The Training Center is available for contract courses that are instructed by professional, certified trainers. Please contact us for more information.



ACCESSORY & PRUSIK CORDS

Our accessory cords come in a wide range of diameter and color options, making them extremely versatile for just about any application in or out of the vertical world. Many people take accessory cord quality for granted; however, there is a difference. Sterling Rope cords perform better because we use only the highest quality yarns, and put more twist in the sheath yarns to make our cords last longer and handle better.



*These diameters are also available as GLOcord. **These diameters are available with a polyester core.

Log onto sterlingrope.com to see color options for each cord.



Packaged Cord & Cordelettes

Cut to versatile lengths of 25 and 50 feet, our packaged accessory cords are available in diameters from 2mm to 7mm. Our 6mm PowerCord™ and 7mm accessory cord are available as cordelettes in 18ft, 21ft, and 25ft packages. Our Mini (1.5mm), Minor (2.75mm) and GloCord™ (2.75mm) are available on 100ft and 50ft mini spools respectively.

550 Cord

This small versatile cord can be used in most outdoor activities. 550 Cord consists of seven separate nylon strands inside a sheath to provide strength. The individual strands can be removed for other uses and the sheath can be used by itself. Available in 50ft and 100ft packaged lengths or on 1000ft spools.

HIGH TENACITY CORDS

Some situations require high strength from a small diameter cord. Sterling developed several different High Tenacity Cords that fit this need. Each of these specialty cords features a unique construction, utilizing the high strength and durable characteristics of Technora fibers. Call us for details or more information on use and construction.



5.9mm PowerCord™

- Nylon / Technora
- MBS: 4,429 lbs.
- MBS sewn eye: N/A



6mm XTEC™

- Technora / Technora
- MBS: 4,721 lbs.
- MBS sewn eye: 3,174 lbs.



6mm TRC™

- Technora / Nylon
- MBS: 3,484 lbs.
- MBS sewn eye: 3,174 lbs.



6.8mm TVAC™

- Technora / Nylon
- MBS: 3,619 lbs.
- MBS sewn eye: 2,922 lbs.



WEBBING & SEWN WEBBING

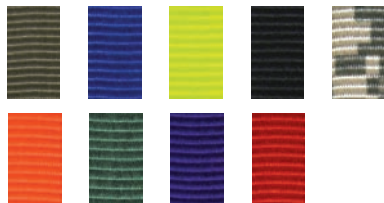
Webbing is an essential piece of gear because it can be used in many different applications due to its strength-to-compression ratio. Webbing slings can be stowed in your pocket and used as drag straps or as a hasty harness. Webbing is frequently used to construct anchors, make gear loops, and create slings.

Sterling Rope offers a full line of webbing products for rescue, climbing, industrial and utility applications. Nylon webbing is offered in tubular and flat constructions, on spools or as sewn slings and runners. We also offer Dyneema sewn slings and runners. All of Sterling's webbing products meet the same precise standards as our rope, since they too are integral to many life-safety systems.



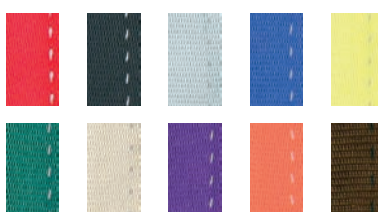
1" Mil-Spec

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.



1" TechTape™

TechTape is our premium 1" nylon webbing and features a smooth, denser weave, and a higher tensile strength than standard webbing.



1 1/16" Tubular

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



1" Type 18 Flat

1" 9800 Flat

Both the type 18 and 9800 webbing are extremely high tensile, and very durable webbing. Type 18 has a 6000 lb MBS, and the 9800 has a 9800lb break strength. Great for slings, high strength runners and anchors.



Chain Reactors™

The Chain Reactor offers a versatile alternative to a traditional daisy chain. Each individual loop is full strength. It is perfect for repositioning, using as a foot stirrup, or for use in anchor systems. The Pro version has a doubled girth loop, and the Long version features four additional sling loops. All versions are made with 11/16" nylon webbing.

- Chain Reactor and Chain Reactor Pro - 41"
- Chain Reactor Long - 63"



ZipLink™ & DogBones

ZipLink™ is our new tether for use in zip lines and challenge courses.

- 3/4" nylon in 12", 20", and 24" lengths
- 3/4" nylon DogBones are strong, versatile slings available in 4", 5.5", 7" and 9" lengths.



VariQuick™ Draws

New high strength, lightweight 10mm (3/8") Dyneema and 1" nylon variable width quick draws offer strong links to hardware. Both feature a unique rubber "keeper" to hold hardware in position.

- Available in 5.5" length



Rabbit Runner

A great versatile runner, perfect for use as a basket hitch to create a high strength anchor.

- 1" Flat (9800) in 4', 6', 8', 10'
- MBS 36kN



Photo Courtesy: Eric McCallister



Sewn Slings

Sterling webbing slings are available in 10mm and 1/2" Dyneema for the lightweight option; 11/16" nylon for standard, durable slings, and 1" tubular and flat slings for anchors. All are made with our high quality webbing, and precisely programmed tack stitching.

Product Name	MBS(kN)	Lengths Available
10mm Dyneema sling	5,170 (23)	24", 48"
12mm Dyneema sling	5,170 (23)	10", 24", 30", 48"
11/16" nylon sling	5,170 (23)	12", 24", 30", 48"
1" tubular nylon sling	5,170 (23)	12", 24", 36", 48"
1" flat nylon sling	10,116 (45)	48", 72", 96", 120"
1" flat nylon Rabbit Runners	8,093 (36)	48", 72", 96"

TECHNICAL SPECS

SUPERSTATIC2

Diameter (inches)	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./100')	Elong. (300 lbs.)	SWL (10:1)	NFPA 1983	CE
5/16"	9mm	5,260	23.4	3.7	3.5%	526 lbs.	no	no
3/8"	9.5mm	5,170	23.0	4.2	3.6%	517 lbs.	technical	no
7/16"	11.0mm	6,519	29.0	5.5	3.9%	652 lbs.	technical	no
1/2"	12.5mm	9,284	41.3	6.8	2.0%	928 lbs.	general	no
5/8"	16.0mm	12,364	55.0	10.7	2.0%	1,236 lbs.	general	no

HTP STATIC

Diameter (inches)	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./100')	Elong. (300 lbs.)	SWL (10:1)	NFPA 1983	CE
5/16"	9mm	5,170	23.0	4.2	0.8%	517 lbs.	escape	no
3/8"	10mm	5,979	26.6	5.3	1.4%	598 lbs.	technical	yes
7/16"	11mm	6,856	30.5	6.5	2.4%	686 lbs.	technical	yes
1/2"	12.5mm	9,081	40.4	8.0	0.9%	908 lbs.	general	yes
5/8"	16mm	12,993	57.8	12.5	1.4%	1,299 lbs.	general	yes

TECH STATIC

Name	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./100')	Elong. (300 lbs.)	SWL (10:1)	NFPA 1983	CE
Tech11	11mm	9,014	40.1	5.9	4.1%	901	general	no
Tech125	12.5mm	10,183	45.3	7.0	2.1%	1018	no	no
TriTech	11mm	8,329	37.0	5.8	1.9%	832	no	no
Tactical Response	9.5mm	6,744	30.0	4.3	4.0%	674	technical	no

SAFETYPRO

Diameter (millimeters)	EN 1891 Type	CE	Static Strength	Factor 1 Falls Held	Impact Force (at fall factor 0.3)	Elongation (50kg to 150kg)	Static Strength (with Figure-8 knot)	Sheath Slippage	Weight per Meter	Sheath Percent.	Shrinkage in Water	Material	NFPA 1983
10mm	A	yes	24.8 kN	>5	5.5 kN	3.2%	19.1 kN	0.3%	62.5 g/m	40.3%	2.9%	Polyamide (Nylon)	technical
10.5mm	A	yes	27.2 kN	>5	5.5 kN	3.5%	18.8 kN	0.8%	70.4 g/m	46.6%	2.5%	Polyamide (Nylon)	no
11mm	A	yes	32.5 kN	>5	5.8 kN	3.0%	23.4 kN	0.6%	76.6 g/m	45.3%	2.3%	Polyamide (Nylon)	technical

ESCAPE ROPES

Name	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./50')	Elong. (300 lbs.)	SWL (10:1)	NFPA 1983	CE	Fibers (sheath/core)
8mm PER	8mm	3,484	15.5	1.5	5.3%	348 lbs.	escape	no	Nylon / Nylon
RIT 500	8mm	5,485	24.4	1.4	3.4%	549 lbs.	no	no	Twaron / Nylon
FireTech	7.5mm	5,732	25.5	1.5	0.8%	573 lbs.	fire escape	yes	Technora / Technora
EscapeTech	7.5mm	3,911	17.4	1.4	4.4%	391 lbs.	fire escape	yes	Technora / Nylon
SafeTech	8mm	4,383	19.5	1.4	6.8%	438 lbs.	fire escape	no	Technora / Nylon

SEARCH ROPES

Name	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./50')	Elong. (10% of MBS)	SWL (10:1)	NFPA 1983	CE	Fibers (sheath/core)
RIT 900	6.8mm	4,136	18.4	0.9	4.4%	414 lbs.	no	no	Twaron / NA
RIT Response	9mm	6,968	31.0	2.1	3.9%	697 lbs.	no	no	Twaron / Polyester
SearchLite	7.5mm	3,012	13.4	1.3	2.4%	301 lbs.	no	no	Nylon / Nylon, Technora

MARATHON SERIES

Name	Diameter	Type	UIAA Falls	Impact Force	Static Elong.	Dynamic Elong.	Sheath Slippage	Weight (gr/M)	UIAA	CE
Half	8.8mm	half	9	6.1kN	11.0%	32.8%	0mm	48	yes	yes
Pro	10.1mm	single	6	8.6kN	8.4%	35.3%	0mm	63	yes	yes
Sport	10.4mm	single	7	9.3kN	8.4%	29.4%	0mm	69	yes	yes
Ultra	10.7mm	single	8	8.6kN	9.0%	36.1%	0mm	70	yes	yes
Mega	11.2mm	single	9	8.7kN	9.4%	30.8%	15mm	79	yes	yes

FUSION SERIES

Name	Diameter	Type	UIAA Falls	Impact Force	Static Elong.	Dynamic Elong.	Sheath Slippage	Weight (gr/M)	UIAA	CE
Photon	7.8mm	twin	16	8.7kN	6.5%	32.3%	0mm	41	yes	yes
Photon	7.8mm	half	5	5.6kN	11.7%	35.3%	0mm	41	yes	yes
Nano	9.2mm	single	6	8.5kN	7.5%	32.5%	0mm	53	yes	yes
Nano	9.2mm	half	>20	6.4kN	7.5%	32.7%	0mm	53	yes	yes
Ion ²	9.4mm	single	5	8.1kN	9.5%	35.7%	0mm	57	yes	yes

EVOLUTION SERIES

Name	Diameter	Type	UIAA Falls	Impact Force	Static Elong.	Dynamic Elong.	Sheath Slippage	Weight (gr/M)	UIAA	CE
Duetto	8.4mm	half	6	6.5kN	11.0%	31.6%	0mm	45	yes	yes
Velocity	9.8mm	single	6	8.8kN	8.6%	26.4%	0mm	62	yes	yes
Kosmos	10.2mm	single	8	8.8kN	7.6%	31.1%	0mm	67	yes	yes

CANYON ROPES

Name	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./100')	Elong. (300 lbs.)	SWL (10:1)	NFPA 1983	CE
CanyonTech	9.5mm	6,744	30.0	4.3	4.0%	674	no	no
C-IV	9mm	4,653	20.7	3.2	4.2%	465	no	no

WATER RESCUE

Diameter (inches)	Diameter (millimeters)	MBS lb.	MBS kN	Weight (lb./100')	Elong. (300 lbs.)	NFPA 1983	CE
5/16"	WaterLine 8.0mm	1,596	7.1	2.1	7.0%	no	no
3/8"	WaterLine 9.5mm	3,416	15.2	3.3	4.2%	throwline	yes
7/16"	WaterLine 11.1mm	4,406	19.6	4.3	2.6%	no	no
1/2"	WaterLine 12.5mm	5,754	25.6	5.2	1.8%	no	no
3/8"	GrabLine 9.5mm	3,282	14.6	3.1	4.2%	throwline	yes
1/4"	UltraLine 6.5mm	2,495	11.1	1.3	1.4%	no	no
3/8"	UltraLine 9.5mm	5,237	23.3	3.8	1.2%	no	no

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.



SEWN LOOP

Name/ Diameter	MBS lbs.	MBS kN
6mm	2,810	12.5
5.9mm PowerCord	4,540	20.2
Hollow Block	3,147	14
7mm	4,833	21.5
8mm	5,170	23
8mm Prusik	5,013	22.3
Thimble Prusik	5,418	24.1

SEWN EYE

Name/ Diameter	MBS lbs.	MBS kN
6mm XTEC	3,147	14
6mm TRC	3,147	14
6.8mm TVAC	2,922	13
7mm ACC	3,147	14
8mm PER	3,147	14
8mm ACC	3,147	14
9mm ACC	2,922	13
9mm SuperStatic	4,159	18.5
3/8" SuperStatic2	5,013	22.3
7/16" SuperStatic2	5,845	26
1/2" SuperStatic2	7,913	35.2
5/8" SuperStatic2	12,004	53.4
9mm HTP	4,226	18.8
3/8" HTP	5,328	23.7
7/16" HTP	5,845	26
1/2" HTP	7,823	34.8
10mm SafetyPro	5,170	23
10.5mm SafetyPro	4,946	22
11mm SafetyPro	5,418	24.1
RIT 900	3,035	13.5
RIT Response	3,147	14
RIT 500	3,147	14
FireTech	3,147	14
EscapeTech	3,147	14
Marathon Lanyard	4,496	20
Tech11	5,418	24.1
TriTech	5,418	24.1
Y-Knot Lanyard	5,170	23

NYLON ACCESSORY CORD

Diameter	MBS lbs.	MBS kN	CE EN 564
2mm	225	1.0	no
2.75mm	270	1.2	no
3mm	472	2.1	no
4mm	876	3.9	no
5mm	1,169	5.2	yes
6mm	1,978	8.8	yes
7mm	2,788	12.4	yes
8mm	3,934	17.5	yes
8mm Prusik	3,462	15.4	no
9mm	3,102	13.8	no

POLYESTER ACCESSORY CORD

Diameter	MBS lbs.	MBS kN	CE EN 564
4mm	1,057	4.7	no
5mm	1,102	4.9	no

HIGH TENACITY CORDS

Diameter	MBS lbs.	MBS kN	CE EN 564	Fibers (sheath/core)
5.9mm PowerCord	4,429	19.7	yes	nylon/Technora
6mm XTEC	4,721	21.0	no	100% Technora
6mm TRC	3,484	15.5	no	Technora/nylon
6.8mm TVAC	3,619	16.1	no	Technora/nylon

WEBBING

Diameter	MBS lbs.	MBS kN
1" Mil-Spec Tubular	4,000	17.8
1" Tech Tape Tubular	4,300	19.1
1 1/16" Tubular	3,000	13.3
1" Type 18 Flat	6,000	26.7
1" Type 9800 Flat	9,800	43.5

SEWN WEBBING

Diameter	MBS lbs.	MBS kN
1" Mil-Spec Daisy	3,484	15.5
1" 9800 Rabbit	8,093	36
1 1/16" Daisy	2,922	13
Chain Reactor	3,147	14
3/4" Dogbone	5,170	23
VariQuick	5,170	23

SEWN SLINGS

Diameter	MBS lbs.	MBS kN
1" Mil-Spec Tubular	5,170	23
1" TechTape Tubular	5,170	23
1" 9800 Flat	10,116	45
1 1/16" Tubular	5,170	23
1/2" Dyneema	5,170	23

CARABINERS

Carabiner	Major Axis kN	Minor Axis kN	Open Gate kN	NFPA	CE EN 12275
Eagle AL	25	7	7	no	yes
Eagle SL	25	7	7	no	yes
Falcon AL	25	7	7	no	yes
Falcon ALT	25	7	7	no	yes
Falcon SL	25	7	7	no	yes
Falcon SLT	25	7	7	no	yes
Hawk AL	28	7	7	no	yes
Hawk SL	28	7	7	no	yes
Osprey AL	23	7	6	no	yes
Osprey SL	23	7	6	no	yes
SR Steel AL*	45	16	18	yes	yes
SR Steel SL	45	15	18	yes	no
Safe-D TL	28	11	9	yes	no
Safe-D AL	28	11	9	yes	no
SR NLD	29	10	9	no	no

* SR Steel AL also meets ANSI Z359.12

PULLEYS

Pulley	End-to-End MBS kN	Sheave MBS kN	Max Diameter mm	NFPA	CE EN 12278
SR MSP	17	8.5	11	no	yes
SR MDP	22	5.5	11	no	yes
SR PMP	36	18	13	yes	no
SR PMP2	44	11	13	yes	no
SR Rescue Pulley	32	16	13	yes	no
ISC Micro	24	12	11	no	yes

HARDWARE

Product	MBS kN	NFPA	CE
SR Swivel	36	yes	no
SR Rig Plate	36	yes	no
SR R8	22	no	no
F4	13.5	yes	no
Lightning Hook	13.5	yes	no
Lightning GT	13.5	yes	no

Sterling Rope is a certified ISO 9001 company and all of our certified products must pass third-party testing to the standards we identify. Sterling also maintains a rigorous in-house testing program. All minimum break strength (MBS) numbers listed here are from a 3-Sigma MBS test results or are listed at the corresponding standard's minimum requirement—we do not list average breaking strengths. A 3-sigma MBS is based on a statistical analysis of the breaking strengths of a product and is reported at 3 standard deviations below the average breaking strength.

Safe Working Load (SWL) is the designated maximum working load for a piece of equipment or system based off a pre-determined 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.

The specifications listed here are believed to be correct at time of printing. We reserve the right to make modifications or corrections. For the most up to date technical specifications please contact us or visit www.sterlingrope.com





SUPPORT

Sterling Rope is a proud supporter of National Fallen Firefighters Foundation, MRA, SPRAT, AWEA, NATE, NFPA, AMGA, IRATA and FOOLS



\$1.00 from each F4 sold is donated to the National Fallen Firefighters Fund.



Sterling Rope is a certified ISO 9001 company.

NO-HASSLE POLICY

We guarantee our ropes to be free of defects, under normal wear and tear and proper use. Ropes, however, do not last forever. Climbing and technical rope work exposes ropes to abrasion, fatigue, sunlight, and constant loading. Severe falls, lack of protection over an edge, exposure to excessive temperatures, chemicals or improper use will shorten the life span of any rope. These scenarios, while unusual, point to the importance of checking and protecting your rope. Sterling reserves the right to inspect your rope before replacing it or refunding your money. Sterling is committed to supporting you to enhance your overall experience with each Sterling product. This dedication to excellence has awarded Sterling Rope the highest rating in customer service.

PHOTO CREDIT

Cover Spread: Eric McCallister

2013 Volume 27.1



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