



**STERLING** ROPE

RESCUE/SAFETY  
VOL 11

# Contents

## STERLING ROPE TECH

PAGES 1 - 2

## SUPERSTATIC ROPES

PAGES 3 - 8

## HTP STATIC ROPES

PAGES 9-12

## FIRE RESCUE ROPES

PAGES 13-16

## WATER RESCUE ROPES

PAGES 17-20

## DYNAMIC ROPES

PAGES 21-22

## PRODUCT TESTING

PAGES 23-24

## SEWN PRODUCTS

PAGES 25-28

## TECHNICAL SPECS

PAGES 29 - 30



# Developing the right rope.

Over the years, Sterling has worked very hard to create the right rope product for the challenging environments of rope rescue, industrial safety, work access and tower work. Most of our products are developed because we either see a need for a product that isn't available in the market, or to improve what is there. It is an on-going process that drives innovation, continual improvement and the passion to develop the "right rope" for users in the vertical realm.

We work closely with large and small fire and rescue departments, safety companies and rope access experts to create products that offer superior performance. This ability to collaborate led the New York Fire Department in 2006 to choose our new Fire Tech 32 personal escape rope for their department. Our leadership in product innovation and thinking outside the box has made Sterling rescue, safety, personal escape ropes and Prusik cords the preferred ropes and cord in the rescue and safety fields. They are the right ropes for your life-safety application.

Product development is at the core of our business. It springs from our desire to keep you safe in the vertical and rescue world. With our focus on you, what is created then is the right rope for the work you do. Included in our processes are fiber research and testing, drop and tensile testing, gear compatibility, field testing, and product certification. Our R&D, engineering and quality control are scrutinized at every juncture to make sure we are compliant to NFPA and ISO's rigorous standards. Sterling is not afraid to improve our great products. In 2006, we redesigned the HTP  $\frac{7}{16}$ " (11mm) by creating a unique 44-carrier sheath that eliminated sheath slippage and allowed for better handling. We were able to create this rope by listening to those in the field who use ropes or train every day. In recent field tests in Sedona, AZ, we discovered new performance attributes of the HTP plus potentially new applications. See pages 23-24 for more details on this testing.



Our HTP has become the standard in high strength, low stretch ropes in industrial and high line situations. We raised that standard again. Almost ten years ago, the need for high heat resistant ropes to augment the use of thermal imaging cameras caused us to develop the first RIT line – Sterling’s RIT 900. We worked with firefighters and rescue personnel, and industrial safety trainers. Sterling’s ability to act quickly and create products needed in the market led us to develop our complete line of incredibly strong, great handling RIT and personal escape products. Now Sterling offers five exceptional high-heat resistant RIT and personal escape ropes.

This reputation of having the best RIT rope gave us the opportunity to work very closely with the New York Fire Department R&D team on creating the right rope for their department. After months of product development – testing yarns, engineering ropes and conducting break and drop tests - the unique FireTech 32™ was launched. This escape rope utilizes all Technora fibers for the sheath and core. The FireTech 32 is an integral part of the FDNY personal escape rescue system. Over 15,000 rappels have been made on this rope. It has withstood hundreds of drop tests and burns.

It is an incredible product. To meet the needs of a broader range of fire departments, we developed and certified the new Escape Tech made with Technora sheath and a nylon core. Either could be the right rope for your department.

Sterling has the most dedicated people making superior product covering all aspects of rescue, safety, industrial, rope access and military uses. We also have a team inside our company working to create the right rope for all



that you do. Sterling is fortunate and grateful to the many dedicated firefighters, trainers and retailers who give us constant feedback outside our company. Our job, our goal, our passion is to keep you safe in the environments of fire or any place vertical. We accomplish this by having a strong commitment to product development, research, superior rope engineering, testing and you.

**Sterling Rope.**  
**Made in USA. Tested worldwide.**





# SUPERSTATIC

Sterling's SuperStatic rope is engineered to be the best handling and top performing static rope on the market. The SuperStatic ropes have a perfectly balanced construction that allows them to be used in a multitude of work and rescue applications. We believed when we created this rope, that ropes didn't need to be stiff, bulky and difficult to use in order to get the strength required for technical rope work. SuperStatics are built to perform when needed most.

SuperStatic ropes feature BetterBraid™ construction with 100% nylon fibers. Using advanced machinery the ropes are built under a precise manufacturing system for consistency and the highest quality. SuperStatic ropes are made on high carrier-count machines, giving the ropes a uniform and dense sheath construction with high twist levels in the yarn for superior handling and abrasion resistance. This sheath design also helps to keep dirt out of the core and eliminates sheath slippage. Rappels are smoother, knot tying is easier, and the compatibility with gear is exceptional. This construction also allows us to put more cores in each rope for greater strength, optimal elongation and energy absorption.

Engineered to the highest standards. Tested by top instructors, rescue personnel, and rope technicians worldwide. Proven to be the right rope for your technical rope work in the vertical world.

SuperStatic ropes are made in 9mm to 16mm - they excel for use as single and multi-person use, rope access, rigging, fire rescue, military and special ops, high angle, urban search and rescue and any other technical rescue application.

**Custom colors, lengths, and sewn end terminations are available upon request.**



“ Having tested the Sterling Superstatic extensively we have found it to consistently outperform its rivals when subjected to rescue sized loads. Superb rope technology. ”

– Jez Hunter, Rig Systems Ltd



**5/16"** **9mm**

- 100% Nylon Low-stretch kernmantle
- 32 carrier construction
- Ideal for taglines, anchors, Et lightweight rappel lines
- Great for SAR teams, fire departments, military departments, and rescue teams



**3/8"** **9.5mm**



- Single-person/light-use rescue rope
- 100% nylon low-stretch kernmantle  
32 carrier construction
- Perfect for lightweight rescue rope, anchors, and rappelling
- Great for SAR teams, fire departments, and military
- Black and Camouflage versions available for SWAT and military use
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - light use




**3/8"** **9.5mm** **SAFETYGLO™**



- Single-person/light-use rescue rope
- Reflective yarns in the sheath make it highly visible in low-light and dark situations
- 100% Nylon low-stretch kernmantle construction
- The ideal rope for night and low-light rescues, interior search and rescue
- Suitable for confined space rescue, caving, night rescues, and industrial safety applications
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - light use






**7/16"** **11.5mm** 

- A multipurpose rescue/rappel rope
- 100% nylon low-stretch kernmantle 48 carrier construction
- Uniform sheath coverage improves durability and gear compatibility
- Great for mountain rescue, window washing, and industrial rope access
- Superb tactical rope for military operations and SWAT teams
- Meets requirements for NSN-402001320-4113
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - light use



**1/2"** **13mm** 

- Technical rescue and high angle multi-use rescue rope
- 100% nylon low-stretch kernmantle 48 carrier sheath construction
- 42/58 sheath/core ratio yields best durability and great handling
- Great for all types of technical rescue, confined space rescue, USAR, and industrial safety applications
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - general use





$\frac{1}{2}$ " 13mm SAFETYGLO™ 

- Two-person/general-use rescue rope - ideal for night and low-light rescues
- Incorporates reflective yarns in the sheath which makes it highly visible in low-light and dark situations
- 100% nylon kernmantle construction
- Suitable for confined space rescue, caving, night rescues, and industrial safety applications
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - general use



white



Practitioners attempting difficult Norwegian Reeve highline. Photo: Ropes that Rescue, Ltd.



$\frac{5}{8}$ " 15.5mm



- Two-person/general-use low-stretch rescue rope and lifeline
- A super heavy-duty rope with a great hand
- 100% nylon 40 carrier kernmantle construction
- Great for tower construction, industrial work, and high-strength applications
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - general use



blue



yellow



white



red



black

\*Sewn terminations available on SuperStatic 9mm to 13mm



# HTP STATIC

There is a great need in technical rope work of all kinds to have a strong, durable and very low stretch rope. Nylon is a great fiber for static ropes due to its multipurpose use. But, in certain applications, a lower stretch, higher strength rope is more efficient. That is why Sterling developed the HTP series of all polyester ropes.

Sterling's HTP all-polyester ropes offer significant advantages over nylon static ropes in many applications. With less than 1% stretch per 300-pound load, the need to pre-tension is less, reducing the loads on high lines and track-lines as well as the time to set up. In addition, the HTP has superior strength and handling due to the unique and finely tuned sheath and twisted core construction. Sterling has worked hard to continually improve the handling of this rope and still give you maximum strength with long-term durability. Even after extensive use, the HTP, like our nylon SuperStatic, remains supple and easy to use.

For tower erection and maintenance, transmission line rescue, and work at height uses, the HTP offers low electrical conductivity, and greater resistance from UV and certain chemicals. As polyester is a naturally dry fiber, the HTP resists moisture and maintains its high strength characteristics even in wet conditions. The HTP is compatible with devices like the 540 belay device, Tuf Tug, Tractel, MIO and Petzl rope grabs making this the right rope for a variety of technical rope applications.

The HTP has been extensively field-tested in rescue and safety training. Years of use in actual rescues, in work access and tower situations is proven testimony to the high performance of this rope. Put the Sterling HTP rope in your rescue or work line up. It's the right rope for the tough and challenging rescue, work, industrial and tower jobs.

Available in diameters 9mm to 16mm, HTP ropes are great for single and multi-person use, highlines, extrication, military, industrial rope access, tower rescue and other high strength, low stretch applications.

“ The HTP static has been and continues to be the best performing rope we use in our training workshops. It handles great, withstands major abuse, and its low stretch properties increase hauling efficiency and potentially reduces fall distance. We have used it for over 7 years and whether it is for tower rescue, mountain rescue or with fire departments for high angle rescue the HTP is our rope of choice. ”

– Reed Thorne  
VP & Lead Instructor - Ropes that Rescue Ltd.






**9mm**

- 100% polyester static kernmantle 32 carrier sheath construction
- Ideal for anchors, taglines, light-weight haul lines and z rigs
- Great for SAR teams, tower crews, and rescue teams




**3/8" 10mm** 

- Light-weight static rope
- 100% polyester kernmantle 40 carrier construction
- Ideal for haul lines, long ascents, anchors, and z-drag systems
- Great for SAR teams, military and SWAT ops, and tower crews
- Certified to NFPA 1983, 2006 edition for Life Safety Rope - light use






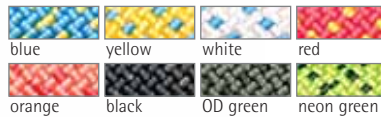
**7/16"** 11mm 


- A multipurpose rescue/rappel rope
- New and improved for 2006 with a firm round hand, lighter weight, better handling, and same high strength
- 100% polyester static 44 carrier kernmantle construction
- Great compatibility with hardware for rescue and rope access applications
- Significantly lower elongation is perfect for haul systems, mountain rescue, military, industrial rope access, and swift-water rescue uses
- Certified to NFPA 1983, 2006 edition Life Safety Rope - light use



**1/2"** 13mm 

- Technical rescue and industrial safety life line
- Excels in heavy load rescue haul systems and highline use
- 100% polyester static kernmantle 48 carrier sheath gives this rope super durability and suppleness
- Tower construction, short-haul helicopter rescue, high-angle rescue, confined space, and industrial safety life line applications
- Certified to NFPA 1983, 2006 edition Life Safety Rope - general use



**5/8"** 16mm 

- High strength rescue rope and lifeline
- 100% polyester static 40 carrier kernmantle construction
- Super heavy-duty rope with a great hand
- Great for tower constructors, bridge work, utility and industrial safety applications
- Certified to NFPA 1983, 2006 edition Life Safety Rope - general use





# FIRE RESCUE

## Rescue and Search Ropes

Rapid Intervention Teams (RIT) face the most demanding and extreme conditions during search operations. Overcoming extreme heat, ground obstacles, and poor visibility are just some of the hurdles when searching for and rescuing trapped firefighters or civilians. Firefighter safety and survival has become an important focus and Sterling RIT lines are an integral rescue tool in search and bailout operations.

Sterling led the innovation of RIT lines with the development of the RIT 900, an all-aramid fiber, hollow braid search cord. Working closely with rescue personnel and trainers, it was determined that there was a great need for more high resistant products. Sterling now offers a full line of RIT Search and Escape ropes. Our RIT 900 (6.8mm) and RIT Response (9mm) were designed specifically with a very soft, supple hand to enable long lengths of cord to be stuffed in a pocket or bag, deployed efficiently, and easily tied with directional knots. Both have excellent handling characteristics.

## Personal Escape Ropes

Sterling's Personal Escape Ropes are manufactured to yield a perfect balance of strength, abrasion resistance, and handling so they perform flawlessly the moment they are needed. Our personal escape ropes are designed with tough sheaths and the proper elongation in the cores to help absorb impact force during a "bail out". It was our many years of experience designing RIT lines and in particular, the heat resistant RIT lines that prompted FDNY to work with us on designing a product for their escape systems. The FireTech 32 is a result of that mutual effort. This rope is a unique product utilizing 100% Technora fiber and even Technora thread for the sewn eye termination. It is incredibly strong, lightweight, and offers the best heat resistance for a 7.5mm escape rope. RIT 500, RIT Response, FireTech 32, and EscapeTech are certified to NFPA 1983, 2006 edition - Escape Rope.

Sterling offers several rope models that are certified to NFPA as escape ropes. The 8mm and 8mm SafetyGlo nylon PER offers the highest strength available in an 8mm diameter and has a great hand for packing into turnout gear or drop bags due to its 40-carrier sheath construction. The SafetyGlo version provides the added benefit of reflective tracers for visibility in low light applications.

“ We have done an extensive amount of training with the heat resistant 9mm RIT RESPONSE at the Illinois Fire Service Institute and are impressed with its performance. During our trainings we have found the rope is easy to grab with gloved hands and it deploys well from the bag. ”

– Bryan Velez and Brian Herli, Xtreme Rescue Staff Instructors and Chicago Firefighters



Ⓐ RIT-900™ 6.8mm

- Heat Resistant/High Strength Search Line -100% aramid fiber.
- 16 carrier hollow braid construction; compact, supple, easy to knot, extremely durable.
- Sheath heat resistance up to 932° Fahrenheit (500° Celsius).
- Easier to handle than webbing with gloved hands
- Abrasion, cut resistant, and high resistance to chemicals, especially acids and alkalis.
- Great for primary or personal search lines
- Optimal tagline used in conjunction with Thermal Imaging Cameras.
- The rope of choice by top RIT instructors.
- Available in spooled or custom lengths.

Ⓑ RIT-500™ 8mm



- Heat Resistant/High Strength Search and Personal Escape Line
- The original heat resistant escape rope features aramid kernmantle construction
- Heat resistant Sheath to 932° Fahrenheit (500° Celsius).
- Nylon Core Resistant to 420° Fahrenheit (215° Celsius)
- Aramid sheath provides heat and cut resistances while nylon core provides packability and elongation for potential impact or bail out
- Balanced sheath and core construction allows for locating rope in low visibility and confident descent control with gloved hands
- Aramid sheath gives excellent cut, abrasion and chemical resistance
- Abrasion and cut-resistant "tag line"
- Certified to NFPA 1983, 2006 edition - Escape Rope
- Available in spooled or custom lengths

Ⓒ RIT-RESPONSE™ 9mm



- 9mm Heat Resistant/High Strength Search and Personal escape Line
- Aramid sheath with polyester core kernmantle construction
- Heat resistant Sheath to 932° Fahrenheit (500° Celsius)
- Polyester Core Resistant to 480° Fahrenheit (249° Celsius)
- Large, firm construction is easy to pack and allows for locating rope with gloved hands
- High tensile strength, abrasion and cut-resistant 9mm"tag line" with MBS of 6970 lbs
- Certified to NFPA 1983, 2006 edition - Escape Rope
- Available in spooled or custom lengths

\* care must be used to determine compatibility of escape descent control device and corresponding rope.  
Training is required before use. Please contact Sterling Rope for technical information.

① FIRETECH 32™ 7.5mm



- 7.5mm Heat Resistant/High Strength Personal Escape Rope
- The Official Rope of FDNY Personal Escape System (designed specifically for and tested extensively by FDNY and Sterling Rope)
- Heat resistant Sheath to 932° Fahrenheit (500° Celsius)
- 100% Technora kernmantle construction retains core strength after exposure to elevated temps than Kevlar and gives longer burn through time than mixed fiber ropes
- Available with or without hook, and sewn eye termination
- High tensile strength, abrasion and cut-resistant
- Certified to NFPA 1983, 2006 edition Life Safety Rope - Escape Rope
- Available in spooled or custom lengths.

② EscapeTech™ 7.5mm



- 7.5mm Heat Resistant/High Strength Personal Escape Rope
- Heat resistant Sheath to 932° Fahrenheit (500° Celsius)
- Technora fibers offer the best heat resistance for repeated exposures to high temperatures and strength retention when exposed to steam
- Designed to yield a soft, flexible hand for compact storage - round construction is easy to handle and locate with gloved hands
- High tensile strength, abrasion and cut-resistant
- Certified to NFPA 1983, 2006 edition Life Safety Rope - Escape Rope
- Available in spooled or custom lengths

③ 8mm 8mm SAFETYGLO™



- Compact lightweight Personal Escape Rope (PER) rope
- 100% nylon with a 40-carrier sheath construction
- Minimum breaking strength (MBS) of 3754 lbs
- Great handling, durable, high tensile strength lifeline
- 8mm SafetyGlo offers extreme reflective properties (double-sided Metlon)
- SafetyGlo is vibrant when light hits it making it the ideal cord for low and no-light conditions
- Certified to NFPA 1983, 2006 edition - Escape Rope
- Available in spooled and custom lengths

note: all our ropes are available with sewn eye terminations and the Crosby hook.



F F F G G



# WATER RESCUE

Swiftwater, ice, and ocean environments present rescue personnel and recreational participants with difficult circumstances when it comes to life safety rope products. To meet the challenge Sterling Rope developed WaterLine™, GrabLine™, Grabline SafetyGlo™ (new), Swiftwater Response™ (new), and our UltraLine™ (new). WaterLine and GrabLine offer higher tensile strength than typical polypropylene float ropes, which make them more versatile for most water rescue emergencies and recreational boating. Their construction provide the needed characteristics to make great water rescue ropes - they are strong, durable, handle well, and above all, they float.

GrabLine is our WaterLine with a high strength, tread-like construction that gives you better hand traction. Now available in new SafetyGlo version. The  $\frac{3}{8}$ " meets NFPA 1983, 2006 edition for Throwlines. Swiftwater Response is our new larger diameter water rescue rope with a nylon sheath and polypropylene core. The Spec 1000 has now been replaced by our new UltraLine. Available in  $\frac{1}{4}$ " and  $\frac{3}{8}$ ", this rope is a double braided polypropylene sheath and dyneema core. It features the same characteristics as all our other water rescues ropes - durability, easy to handle and deploy, the ability to float high, and super high tensile strength. Any one of these water rescue ropes is a must for swiftwater rescue teams and a great addition to emergency kits carried by police and fire departments, EMS teams, rescue squads, river guides and the Coast Guard.

\* Spectra is currently not available for non –military purpose.

“ Lifesaving Resources utilizes various sizes of the Sterling Rope Waterline within our Ice Rescue and Water Rescue training programs and we advocate its use by all Public Safety and Rescue agencies for their technical water and ice rescue operations. Furthermore, as a distributor of Sterling Rope products, we appreciate the customer service provided by them, and the quality of their entire product line. ”

– Gerald M. Dworkin, Consultant  
Aquatics Safety & Water Rescue



 $\frac{5}{16}$ " $\frac{3}{8}$ "

WATERLINE



- $\frac{5}{16}$ " and  $\frac{3}{8}$ " lines feature bright yellow polypropylene sheath for high visibility and nylon core for strength
- The supple nature of these high floatation ropes make for easy stuffing and quicker deployment during rescues
- Ideal for use in throw bags, as swimmer tether lines and "tag lines"
- The  $\frac{3}{8}$ " is Certified to NFPA 1983, 2006 edition for Throwlines
- Available in spools, throw bags, and custom cut lengths

 $\frac{7}{16}$ "

WATERLINE

- Features a double-braided high tenacity polypropylene construction for high strength, great handling and maximum floatation
- Provides better abrasion resistance, is stronger than smaller cords, and despite its thicker nature, can still be thrown accurately
- Ideal choice for ice rescues due to its durable sheath and supple hand
- Available in spools, throw bags, and custom cut lengths
- Available in yellow and red

 $\frac{3}{8}$ "SWIFTWATER RESPONSE **NEW**

- High visibility, high strength nylon sheath, MBS 4000 lbs
- Nylon sheath offers greater abrasion resistance and is durable for heavy use
- High tenacity multi-filament braided polypropylene core for maximum floatation
- Supple enough for use in throwbags and strong enough for use in river rescue, haul system, or boat lines
- Available in spools, throw bags, and custom cut lengths

WARNING: Waterline should not be used in any vertical rescue systems or rappelling activities.



$\frac{5}{16}$ "	$\frac{3}{8}$ "	GRABLINE	
------------------	-----------------	----------	--

- GrabLine is Sterling Rope's high tensile strength "grip-able" Waterline
- Typical throwlines are slippery, Grabline solves this problem with its unique sheath construction
- Better hand traction makes it easier to grab, hold, and throw
- $\frac{3}{8}$ " is Certified to NFPA 1983, 2006 edition for Throwlines
- Available in spools, throw bags, and custom cut lengths



$\frac{3}{8}$ "	GRABLINE SAFETYGLO™		<b>NEW</b>
-----------------	---------------------	--	------------

- GrabLine with new reflective yarn in a high tensile strength "grip-able" design
- This new rope offers a strong rope for low visibility or nighttime water rescues
- Better hand traction makes it easier to grab, hold, throw, and very importantly see during night rescues
- Certified to NFPA 1983, 2006 edition for Throwlines
- Available in spools, throw bags, and custom cut lengths



$\frac{1}{4}$ "	$\frac{3}{8}$ "	ULTRALINE		<b>NEW</b>
-----------------	-----------------	-----------	--	------------

- Features a high strength braided Dyneema\*\* core and a polypropylene sheath
- Superior durable, compact, easy to handle and deploy, and floats
- Available in spools, throw bags, and custom cut lengths
- $\frac{1}{4}$ " Perfect for kayaking and water recreation applications
- $\frac{3}{8}$ " Perfect for z-drags and other high strength applications
- $\frac{3}{8}$ " Certified to NFPA 1983, 2006 edition for Throwlines

\*\*Dyneema™ is an Ultra High Molecular Weight Polyethylene fiber that has similar properties to Spectra; very high tenacity and specific gravity less than 1. It is the perfect fiber for high strength swiftwater applications. The Dyneema core provides the strength and polypropylene yields a non-slippery sheath that has excellent knotability.



## **Marathon**

### **Marathon Mega**

11.2mm, for heavy-duty and military applications, this is the right rope.

Meets A-A- 50139 Type IV and V

### **Marathon Ultra**

You want durability and performance - the Ultra 10.7 has it. Re-engineered to be the new benchmark for lighter, supple, and beefy dynamic ropes.

### **Marathon Sport / Biathlon Sport**

Designed to be lighter and more versatile, the 10.4mm excels on everything.

### **Marathon Pro / Biathlon Pro**

The 10.1mm exemplifies what a modern day climbing rope should be - a work rope and redpoint rope. Its new sheath construction provides superior abrasion resistance for the abuse dished out when working routes.

### **Marathon Half / Biathlon Half**

The definitive half rope! The new 8.8mm design and construction is the ideal rope for alpine and glacier travel.

\*\* BiAthlon combines the best of all worlds - Award winning rope designs engineered with a distinctive and colorful pattern cross-over at the mid-mark of each rope. Like the single pattern - Pro, Sport, and Half each delivers the same durability, high performance, effortless clipping, plus an easy to see bi-pattern crossover.



## **Evolution**

### **Kosmos and Kosmos BiColor**

Its re-engineered design and construction and 10.2mm diameter makes it the perfect all-around rope.

### **Velocity and Velocity BiColor**

Streamline, sleek, and lightweight, the Velocity 9.8mm will never slow you down

### **Nitro**

The Nitro 9.8mm has quickly become the rope of choice for its high end performance, superior handling and low impact force.

### **Duetto and BiPolor(Duetto BiColor)**

This new 8.4mm half rope features superb handling, top end performance features, and technical innovations.

### **Ice Thong (Twin)**

Most commonly used in tandem together or with ropes of larger diameters, or a lightweight "tag line" for alpine, glacier, or traditional climbing.

NOTE: twin ropes are designed to be clipped together through each piece of gear.

# DYNAMIC ROPES

Sterling Rope manufactures the highest performing dynamic ropes in the industry. We make dynamic ropes for all professional applications including mountain rescue, military mountain divisions, rope access, or tower climbing. Each of these work or rescue applications may require movement during which a fall might occur. In these situations, dynamic ropes by design have the energy absorption (elongation) characteristics, strength, and handling to provide the necessary fall protection.

The technical features that sets Sterling's Marathon and Evolution dynamic ropes apart is our superior abrasion resistant sheaths and innovative core constructions. Each rope model feature round, balanced sheath and core constructions making the ropes lighter, with low impact forces, excellent handling qualities, zero sheath slippage, and most importantly our ropes trademark - DryCore. This outstanding technical innovation central to all Sterling ropes is a proprietary coating process applied to all core yarns which inhibits moisture absorption, maintaining the yarns original strength and elongation characteristics.

Sterling's dynamic and static ropes have been tested by some of the world's most respected and reputable rescue trainers, professional guides and climbers under some of the most extreme conditions on the planet through our Product Development Test Program. Each single, half, and twin rope is fully certified to UIAA & EN 892 standards and also meets military specifications. No matter what application or situation you may encounter, Sterling offers the "right rope" that will meet your agency standard or requirements.

**All ropes are available in military olive drab green, black or custom colors.**

“ I've been climbing with Sterling ropes for nearly ten years, and during that time they have never let me down, not even close. From Pakistan to Baffin Island to Patagonia, to West Africa, and the Amazon, my Sterling ropes have given me the confidence to push into the unknown. I will never head off on a big adventure with any other brand.

– Mark Synnott ”



# Built from the ground up, for performance when it counts.

Product development is a core principal at Sterling Rope. It is an ongoing process that drives innovation, continual improvement, and the passion to develop the “right rope” for users in the vertical realm. The product development process starts with a concept—to improve an existing product, to fill a need, or to solve a problem. By working with the top professionals in their respective fields we constantly monitor and are open to new ideas. We build on the concept by having the proper pieces in place—a rope engineer, state of

becomes the ultimate proving ground for a product. Finalizing a new product is more than a tensile test and a UL check off, a third party certification is important but it doesn’t tell the whole story. We work closely with instructors, trainers, and end users in many disciplines to expose the rope to as many applications as possible. Ropes that are used in training get hundreds of rappels, they are used in extreme heat, in industrial applications, with all types of hardware, in the mountains, and anywhere else we can put them to the test.

By combining our knowledge of rope manufacturing with the feedback from end users we are able to produce a product that will perform when needed most. If a rope can hold up to hundreds of hours of use and abuse in a variety of different applications we know they will perform when needed most.



In May of 2005 we brought the “test lab” to Ropes that Rescue in AZ with Reed Thorne, Doug Clark, Kevin Frye, Eric Ulner, and Cedric Smith. We wanted to simulate several scenarios of failed systems, including high directionals and mainline failures. There were two goals:  
To test individual components-ropes, prusiks, and the AZ sewn cord products

the art machinery, the highest quality fibers, and decades of combined experience—both rope manufacturing and actual field use. The other phases of product development process include fiber research and testing, drop testing, tensile testing, gear compatibility testing, field testing, and product certification.

Field testing is a crucial step in the process and one that we take to the highest level. It



used for the litter rigging and prusik belays.

To evaluate and test techniques and systems. We looked at gear compatibility, the effectiveness of tandem prusik belays, and different belay methods with HTP ropes. It was the perfect opportunity to ask “what if” and see the results in a real world setting.

We rigged a full rope rescue system with “Rescue Randys”, a fully rigged litter, and additional weight in the litter to get to full rescue loads. For mainline failure simulations we “failed” the mainline when the yoke reached the pulley on the high directional—a worst case scenario creating the highest fall factor. We also intentionally failed the high directional at this point.

After 3 days of drop testing we learned a lot. By pushing gear to its failure points we were able to gain a sense of the safety margin of the systems and performance of individual components. It helped validate some techniques and reinforced the safety of the products.

The testing helped confirm the design and performance of the new 7/16” HTP static prototype, the sewn cord products performed excellent in the litter rigging and as the tandem prusik belay. The cord in the litter rigging helped absorb impact forces. Extra attention to the prusiks at the belay is mandatory—especially during raises when using a pulley to redirect the



belay line. When used properly the tandem prusik belay was suitable for rescue sized loads on both 7/16” and 1/2” static ropes. We gained more insight on the potential to use of HTP static as a belay line. With proper belay technique we had good results with tandem prusiks and the 540 belay device. More testing is required before we can definitively say that HTP it is acceptable for all belay situations.

\*The testing we did was non-scientific and is not reproducible. We used different types and sizes of ropes, drop tested over rock and concrete edges, and we didn’t perform enough drops for statistical validity. We recommend testing your own equipment, techniques and systems before using them in life safety applications.

EXAMPLE BELOW OF DATA TAKEN DURING 1 SERIES, FAILED MAINLINE SIMULATION DAY 3

DROP	FORCE AT BELAY	PRUSIK SLIPPAGE	KNOT SLIPPAGE BOWLINE	DISTANCE FALLEN
1	1,355 lbs	4.5"	3"	7'2"
2	1,000 lbs	10.5"	3.5"	9'5"
3	920 lbs	6"	2.5"	9'4"

Rope in service: 7' 8"

Bowline to edge: 6' 8"

All measurements taken from bowline (sideways A-Frame)

Belay rope 7/16" (11mm) Sterling HTP

Load 440lbs (200kg)

Prusik cord: 8mm tied double fisherman



Photos: Richard Searle



### ACCESSORY CORD

Our cords come in a wide range of diameters and color options that make them extremely versatile for climbing, recreation, rescue and utility applications. Although many take accessory cord for granted, there is a difference between cords. Sterling's cord is unique and we believe better in many ways. First, we offer one of the largest collections of stocked colors in the industry. Second, we twist the sheath yarn which makes our cords last longer. These factors give end-users and OEM (original equipment manufacturers) an endless variety of cords that are functional, durable, and even fashionable.

### PRUSIK CORD

Sterling offers prusik cord in spooled, and pre-cut sewn lengths (bound loop prusiks and sewn prusiks) in a wide range of colors making identification in the field very easy. Sterling was the first company to offer sewn prusiks which have become very popular as they eliminate bulky knots and still provide high strength. Prusik cords serve many functional purposes in the field. They are extremely versatile in tandem prusik belays, load release devices, mainline belays, pulley systems, and anchor systems. One of the main factors to consider is consistency in durability and suppleness. Our standard Prusiks (6mm-9mm) are made of nylon and have a slightly tighter sheath construction than our competition that allows for greater durability and better handling. The diameter of cord chosen is a matter of personal preference and the diameter size of the host rope or mainline.

Note: To insure that your Prusik cord moves and grips properly, the diameter relationship between the standing line and your Prusik loop diameter should follow the general rule of a 60-80% ratio. Proper guidelines recommend that you review your rescue applications and test any new cord prior to actual field use.

### AZ BOUND LOOP PRUSIK

Sterling 8mm Prusik Cord sewn into 16" and 22" loops (for tandem set) are perfectly matched to the standard sized prusik-minding-pulley.

In a dynamic event, the bound loop feature keeps the loop on the strong spine of the carabiner, away from accidentally riding over the side plate of the prusik-minding-pulley.

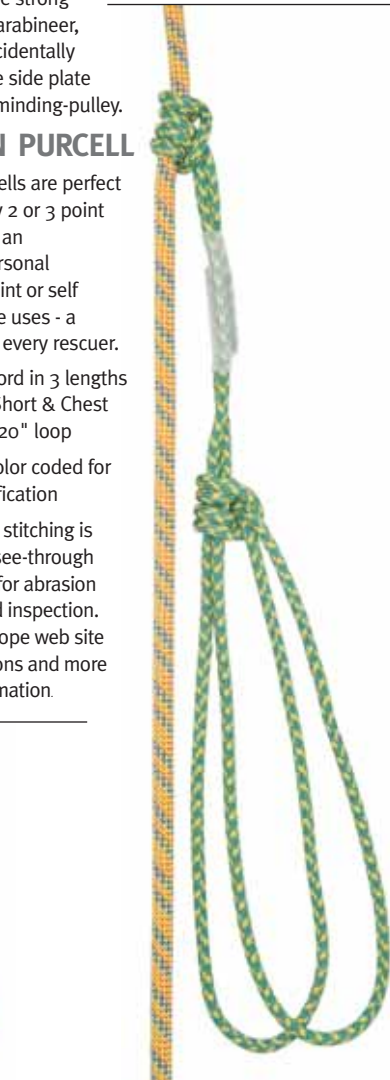
### AZ SEWN PURCELL

AZ Sewn Purcells are perfect for emergency 2 or 3 point ascending, as an adjustable personal connection point or self belay; multiple uses - a must have for every rescuer.

6mm prusik cord in 3 lengths - Long foot, Short & Chest 5' 8" - 3' 6" - 20" loop

Lengths are color coded for ease of identification

Computerized stitching is covered with see-through shrink tubing for abrasion resistance and inspection. See Sterling Rope web site for specifications and more detailed information.





Rescue practitioners working over difficult spillway in Indianapolis during 2006 Ropes That Rescue workshop. Gin pole is held by three AZTEKs used as adjustable guys and one AZTEK "dynamic directional" (see 1). Rescue attendant is hanging from AZTEK "set of fours". Also in photo, short leg purcell used as a safety lanyard for rescuer (see 2).

**AZTEK PRODUCTS** Sterling Rope and Ropes that Rescue teamed up to design a set of specialty sewn cord products that are used in rope rescue and industrial rope access applications. These products help emergency rescue personnel and industrial workers be more efficient and safer when working at height. The AZTEK kit can be used as a travel restraint, back tie, load release hitch, for pick offs, litter rigging and attendant attachments—literally 101 uses.

Due to the limited space and the specific technical set-up procedures and techniques, we are prohibited in showing full AZ sewn product representation. Please visit [www.sterlingrope.com](http://www.sterlingrope.com) and [www.ropesthatrescue.com](http://www.ropesthatrescue.com) for full product presentation, applications, and use recommendations.

- A AZTEK EDGE RESTRAINT/SET-OF-FOURS CORD** Connects rescuer to anchor and also used in AZTEK Set-of-Fours pulley system. 38ft of 9mm nylon cord with shrink tube-protected sewn eye. Shown with system end Set-of-Fours.
- B AZ TRAVEL RESTRAINT** The AZ Travel Restraint attaches rescuer to AZTEK Edge Restraint Cord via a prusik hitch for working near exposure. 6mm x 44" sewn nylon cord in shrink tube bound loop.
- C AZ RATCHET** Used as progress capture device on AZTEK Set-of-Fours pulley system. 6mm X 11" sewn nylon cord loop
- D AZ HEAD-END LITTER SPIDER** Adjustable bound loops make this an extremely versatile litter bridle. 7mm x 5' 8" sewn loop, sets of 2.
- E AZ FOOT-END SET-OF-FOURS** 9mm x 38ft nylon cord with sewn eye, used with 2 double mini prusik-minding pulleys (Set-of-Fours) to create adjustable foot-end litter bridle
- F AZ FOOT-END SPIDER/BEARER TIE-INS** Used in sets of 2 it attaches rescuers to in-line litter for technical steep angle evacuation and is used in conjunction with the foot end set-of-fours for adjusting litter bridle in high angle evacuations. 7mm nylon cord x 34" Sewn Bound loop.

Warning: It is the user's responsibility to receive proper EXPERT training and instruction in the use of any ARIZONA sewn cord product before use. Expert assembly instructions required for all products.



## STERLING MARATHON LANYARDS

Lanyards are a safe, easy to use and often necessary piece of equipment for work positioning and travel restraint system. These connecting devices are designed to easily connect from the user to an anchor point. Designed to allow user the flexibility and maximum protection and confidence to move at height. Sterling's Marathon lanyard is a work positioning lanyard made with Sterling's super durable, abrasion resistant, supple 10.7mm Marathon Ultra dynamic rope. The dynamic properties of the Ultra provide energy absorbing performance in the case of a fall.

We offer two models - Marathon Lanyard SE and Marathon Lanyard DL. Each style features strong sewn end terminations with rubber shrink tubing to provide protection against abrasion and plastic protectors keeps carabiners properly positioned. Available in .6m, .8m, 1m, and 2m lengths

## SEWN AND TERMINATED ENDS

Sterling offers two styles of customized terminated ends – sewn eyes and swaged ends on a wide range of products. These options offer easy, quick, and secure methods to anchoring. Sterling offers sewn eye terminations on SuperStatic, and HTP Static in 9mm,  $\frac{3}{8}$ " ,  $\frac{7}{16}$ " , and  $\frac{1}{2}$ " and swaged compression sleeves on  $\frac{3}{8}$ " and  $\frac{1}{2}$ " static rope. Sewn eyes are also offered on our heat resistant RIT products and 5mm-8mm accessory cord. Testing has shown that swaged ends are superior to knots. Factory installed with thimble aluminum sleeves provides up to 92% of the ropes original tensile strength. Available in custom cut lengths.

\* FireTech32 shown with Crosby hook.





**WEBBING** Sterling Rope offers a full line of spooled and sewn webbing products for climbing, utility, and rescue applications. In nylon tubular webbing, we offer 1" TechTape™, 1" standard mil-spec and 1 1/16" diameters. Sewn products and slings are offered in 3/4", 1 1/16", 1" tubular and flat nylon, and 1/2" Dyneema. All of Sterling's webbing products meet the same precise standards as our rope, since it too, is an integral part of any protection system.



1 1/16" NYLON WEBBING



1" MIL-SPEC WEBBING



1" TECH TAPE WEBBING



1 1/16" TUBULAR



1" TUBULAR

## NYLON SEWN RUNNERS

Sewn nylon runners eliminate the bulk and hassle of tying and periodically checking the knots.

Sterling sewn runners are made with the highest quality webbing and computerized precision bar-tacking, making them exceptionally strong and lightweight. 1" tubular nylon runners are available in open sewn lengths of 24" and 48".

1 1/16" is available in 10", 24", 30", and 48" open sewn slings. 1" flat webbing is available in 4', 8', and 10' sewn slings. 3/4" nylon in 4", 5 1/2", 7", and 9".

## RABBIT RUNNERS

A great, versatile runner, perfect for use on big walls, alpine, or ice. Available in 44" lengths in both 1" tubular and Dyneema. 48", 72", and 96" lengths in 1" flat nylon webbing.



## DYNEEMA SEWN RUNNERS

Dyneema runners offer significant performance advantages over traditional runners. They are lightweight, super durable, have high cut resistance, are extremely strong, and resist moisture. We offer Dyneema sewn runners in three open lengths – 10", 24", and 48".



# STERLING ROPE TECHNICAL SPECS

## SUPERSTATIC™ NYLON STATIC ROPE

DIAMETER (mm)	9mm	9.5mm	11.5mm	13mm	15.5mm
DIAMETER (inches)	5/16"	3/8"	7/16"	1/2"	5/8"
MBS: lb	4901 lbs	5396 lbs	6745 lbs	9241 lbs	10,701 lbs
MBS: kN	21.8 kN	24.0 kN	30.0 kN	41.1 kN	47.6 kN
WEIGHT (lb./100')	3.8	4.7	6.0	7.9	10.3
ELONGATION (AT 10% OF MBS)	4.70 %	5 %	6.00 %	7.70 %	4.30 %
ELONGATION (AT 300 lbs)	2.80 %	2.40 %	3.10 %	3.00 %	0.80 %
SAFE WORKING LOADS	491 lbs	540 lbs	674 lbs	924 lbs	1070 lbs
NFPA 1983, 2006	N/A	YES	YES	YES	YES

## HTP STATIC™ ALL POLYESTER STATIC ROPE

DIAMETER (mm)	9mm	10mm	11mm	13mm	16mm
DIAMETER (inches)	5/16"	3/8"	7/16"	1/2"	5/8"
MBS: lb	5058 lbs	5981 lbs	7667 lbs	9084 lbs	11,962 lbs
MBS: kN	22.5 kN	26.6 kN	34.1 kN	40.4 kN	53.2 kN
WEIGHT (lb./100')	4.2	5.3	6.5	8.0	12.5
ELONGATION (AT 10% OF MBS)	2.5 %	1.7 %	2.9 %	2.0 %	1.8 %
ELONGATION (AT 300 lbs)	1.3 %	1.0 %	1.7 %	0.8 %	0.9 %
SAFE WORKING LOADS	504 lbs	598 lbs	767 lbs	908 lbs	1196 lbs
NFPA 1983, 2006	N/A	YES	YES	YES	YES

## FIRE RESCUE ROPES

	SEARCH/TAGLINES					PERSONAL ESCAPE ROPES	
NAME	RIT-900™	RIT-500™	RIT RESPONSE	FIRETECH 32	ESCAPETECH	8mm PER	8mm SAFETYGLO
DIAMETER (mm)	6.8mm	8mm	9.0mm	7.5mm	7.5mm	8mm	8mm
MBS: lb	4200 lb	5486 lb	6970 lb	5756 lb	3912 lb	3754 lb	3754 lb
MBS: kN	18.7 kN	24.4 kN	31.0 kN	25.6 kN	17.4 kN	16.7 kN	16.7 kN
WEIGHT (lb./100')	1.86 lbs	3.2 lbs	4.2 lbs	3.1 lbs	2.6 lbs	2.9 lbs	2.9 lbs
ELONGATION (AT 10% OF MBS)	4%	6.1%	3.9%	1.6%	5.8%	4.9%	4.9%
SAFE WORKING LOADS	420 lbs	548 lbs	697 lbs	575 lbs	391 lbs	375 lbs	375 lbs
NFPA 1983, 2006	N/A	YES	YES	YES	YES	YES	YES
FIBERS	ARAMID	ARAMID/NYLON	ARAMID/POLYESTER	ARAMID	ARAMID/NYLON	NYLON	NYLON

## WATER RESCUE ROPES

	WATERLINE			GRABLINE		SAFETYGLO	ULTRALINE		SWIFTWATER RESPONSE
DIAMETER (mm)	8 mm	9.5 mm	11.1 mm	8mm	9.5 mm	9.5 mm	6.5 mm	9.5 mm	10 mm
DIAMETER (inches)	5/16"	3/8"	7/16"	5/16"	3/8"	3/8"	1/4"	3/8"	3/8"
MBS: lb	1600 lb	3440 lb	4450 lb	1600 lb	3282 lb	3282 lb	2608 lb	5261 lb	4000 lb
MBS: kN	7.1 kN	15.3 kN	19.8 kN	7.1 kN	14.6 kN	14.6 kN	11.6 kN	23.4 kN	17.8 kN
WEIGHT (lb./100')	2.1	3.3	4.3	2.1	3.1	3.1	1.3	3.8	3.5
ELONGATION (AT 300 lbs)	7.8 %	4.0 %	2.5 %	8 %	3.75 %	3.75 %	2 %	1.4 %	2.8 %
NFPA 1983, 2006	N/A	YES	YES	N/A	N/A	YES	N/A	YES	N/A



for more information, go online at [sterlingrope.com](http://sterlingrope.com)

# STERLING ROPE TECHNICAL SPECS

DYNAMIC ROPES										
NAME	MEGA	ULTRA	SPORT	PRO	HALF	KOSMOS	VELOCITY	DUETTO	NITRO	ICE THONG
DIAMETER (mm)	11.2 mm	10.7 mm	10.4 mm	10.1 mm	8.8 mm	10.2 mm	9.8 mm	8.4 mm	9.8 mm	7.7 mm
TYPE	SINGLE	SINGLE	SINGLE	SINGLE	HALF	SINGLE	SINGLE	HALF	SINGLE	TWIN
FALLS HELD	9	8	7	6	9	8	6	6	5	12
IMPACT FORCE	8.7 kN	8.6 kN	9.3 kN	8.6 kN	6.1 kN	8.8 kN	8.8 kN	6.5 kN	9.0 kN	10.6 kN
STATIC ELONGATION	9.4 %	9.0 %	8.4 %	8.4 %	11 %	7.6 %	8.6 %	11 %	10 %	7.8 %
DYNAMIC ELONGATION	30.8 %	36.1 %	29.4 %	35.30 %	32.8 %	31.1 %	26.4 %	31.6 %	30.1 %	28.1 %
GRAMS/METER	79	70	69	63	48	67	62	45	62	40
SHEATH SLIPPAGE	15 mm	0 mm	0 mm	0 mm	0 mm	0 mm	0 mm	0 mm	0 mm	0 mm
UIAA / EN 892	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

PRUSIK / ACCESSORY CORDS										
DIAMETER	2 mm	2.75 mm	3 mm	4 mm	5 mm	6 mm	6mm Power	7 mm	8 mm	9 mm
MBS: lb	n/a	n/a	585 lb	1034 lb	1124 lb	1955 lb	4789 lb	2878 lb	3754 lb	3080 lb
MBS: kN	n/a	n/a	2.6 kN	4.6 kN	5.0 kN	8.7 kN	21.3 kN	12.8 kN	16.7 kN	13.7 kN

SEWN PRODUCTS		
PRODUCT	MBS: lb	MBS: kN
AZTEK TRAVEL RESTRAINT	2907 lb	12.93 kN
AZTEK RATCHET	2907 lb	12.93 kN
EDGE RESTRAINT CORD 9MM	2980 lb	13.26 kN
EDGE RESTRAINT CORD 8MM	3440 lb	15.3 kN
AZTEK SET OF FOURS	2980 lb	13.26 kN
HEAD END LITTER SPIDER	3626 lb	16.13 kN
BEARER TIE-IN	3626 lb	16.13 kN
BOUND LOOP PRUSIK	5893 lb	26.21 kN
PURCELLS	2907 lb	12.93 kN

WEBBING		
TENSILE STRENGTH IN:	STRAIGHT WEB	LOOP
1" NYLON MIL-SPEC WEB	3979 lb / 17.7 kN	6129 lb / 27.3 kN
1" NYLON TECHTAPE WEB	4496 lb / 20.0 kN	N/A
1" FLAT TYPE 18	6000 lb / 26.7 kN	N/A
1" FLAT SEWN SLING	N/A	11,938 lb / 53.1 kN
1" FLAT RABBIT RUNNER	N/A	8993 lb / 40 kN
1 1/16" NYLON WEB	3000 lb / 13.34 kN	5101 lb / 22.6 kN
1/2" DYNEEMA SLINGS	N/A	4946 lb / 22 kN
DOGBONES	N/A	4846 lb / 22 kN

SEWN EYE PRODUCTS		
PRODUCT	MBS: lb	MBS: kN
MARATHON LANYARDS SE	5126 lb	22.8 kN
MARATHON LANYARDS DL	5126 lb	22.8 kN
8mm NYLON	3440 lb	15.3 kN
9mm SUPERSTATIC	4579 lb	20.37 kN
3/8" SUPERSTATIC	6340 lb	28.2 kN
7/16" SUPERSTATIC	6025 lb	26.8 kN
1/2" SUPERSTATIC	8745 lb	38.9 kN
9mm HTP STATIC	5339 lb	23.75 kN
3/8" HTP STATIC	5868 lb	26.1 kN
7/16" HTP STATIC	7149 lb	31.8 kN
1/2" HTP STATIC	8948 lb	39.8 kN
RIT-900	3530 lb	15.7 kN
RIT-500	2833 lb	12.6 kN
RIT RESPONSE	4879 lb	21.7 kN
FIRETECH 32	4496 lb	20.0 kN
ESCAPETECH	3912 lb	17.4 kN



ENGINEERED. TESTED. PROVEN.

## PRODUCT DEVELOPMENT TEST TEAM

This program is in its 14th year continues to evolve and play a major role in Sterling Rope's development of new innovative products. The program utilizes highly visible, talented and well respected international rescue trainers, technicians, fire, work access, industrial safety personnel, and climbers in all phases of product development from the initial concept stage through in-depth field testing under the most extreme and demanding conditions. Equally important, they serve as ambassadors in the field and play a major role in our global grass roots marketing and advertising campaigns. No matter where your work or recreational pursuits take you, you can be assured all Sterling Rope products have been well tested and will perform at the highest standards.

Visit our website to learn more about the personalities, accomplishments and future projects of our talented team of international ambassadors.



## ISO 9001 CERTIFICATION

Sterling Rope was awarded ISO 9001: 2000 certification in August of 2002. ISO 9000 has become the most widely accepted, required, and sought-after quality management system validation. This certification assures that every Sterling Rope customer will receive a consistent level of quality in both product and service. The ISO standard requires a company to focus its quality management system around the customer's needs. This philosophy is the cornerstone of Sterling Rope. We will continue to strive to meet our customer's requirements and expectations – to set the standard for quality and service in the life-safety markets.



Sterling Rope Company Inc.  
26 Morin St  
Biddeford, ME 04005  
Phone: 207-282-2550 1-800-788-7673  
Fax: 207-282-2655  
e-mail: [info@sterlingrope.com](mailto:info@sterlingrope.com)  
website: [www.sterlingrope.com](http://www.sterlingrope.com)

## NO-HASSLE POLICY

Our promise to our customers is complete satisfaction. We guarantee our ropes to be free of defects, under normal wear and tear and proper use. Ropes, however, do not last forever. Everyday climbing and rescue 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 made Sterling Rope one of the highest rated companies in customer service in the industry.

## STERLING ROPE WEBSITE

Newly designed and consistently updated, The Sterling Rope website is just like your morning cup of coffee, something you can't live without! Get your daily dose of the most up-to-date technical information, training tips, field reports, news, and product highlights. Learn about Sterling's latest innovations, receive our latest catalog, event information, and media updates; have a question on a particular product, technical specifications, and where to buy; or to read about the latest accomplishments, exploits, and whereabouts of our Product Development Team.

Visit the Sterling website at: [www.sterlingrope.com](http://www.sterlingrope.com).

## TRADEMARKS

Trademarks: Spectra® and Cordura are registered trademarks of Dupont; Twaron, Technora are registered trademarks of Teijin. DryCore, Marathon, SuperStatic, HTP, SafetyGlo, Waterline, GrabLine, SwiftWater Response, UltraLine, RIT 900, RIT 500, FireTech32, EscapeTech, RIT Response, PowerCord, ProArid, EasyClip, Better Braid Technology, Wicked Good Rope Wash, GloCord, ZIPS, and are all trademarks of Sterling Rope Company.

## WARNING

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.

**SPECIAL THANKS** to all who have contributed to making this catalog the best.

CATALOG DESIGN: Crank | PRODUCT PHOTOGRAPHY: Eric McCallister

Cover Photo: Mark Howe Remote Access Technology

Jan Holan - Ropeworks Inc

Reed Thorne - Ropes That Rescue, Ltd

Mark Howe - Remote Access Technology

Ade Scott - Technical Rescue Magazine

Gerry Dworkin - Lifesaving Resources

Jarod Trow - Peak Rescue Institute

Richard Searle

Capt. Eric Dunn - Portland, Me Fire Dept

FF Chris Tillotson - Portland, Me Fire Dept