



Static Rope  
100% Polyester

# HTP™

The proven choice for reliable performance  
in all conditions.

## High-Tenacity Polyester Static Rope

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- High Strength
- Extremely Low Elongation
- Moisture Resistant
- Firm, smooth sheath keeps core free of debris and increases durability
- Certified to NFPA 1983



P110040183

**7/16" HTP Static Black 600'  
(183M)**



1914



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Please read the important product information on this card before use.  
For complete product information visit [SterlingRope.com](http://SterlingRope.com)

# This Is Not a Dynamic Rope!

## Classes of Protection

**General Use Life Safety:** Life Safety rope designed for general use, light use, and personal escape based on design loads (2.77 kN/600 lbs) and performance requirements. Ropes were designed solely for the purpose of supporting people during rescue, fire-fighting, emergency operations, rope access, or during training evolutions.

**Technical Use Life Safety:** Life Safety rope designed for light use loads, and personal escape based on design loads (1.33kN/300lbs) and performance requirements. Ropes were designed solely for the purpose of supporting people during rescue, fire-fighting, emergency operations, rope access, or during training evolutions. Technical Use Life Safety rope performance will be less than that of General Use Life Safety rope and greater care will be required in protecting against the abrasion, cuts, general wear and tear, etc.

**Warning:** Products rated for Life Safety Use have been manufactured specifically for rescue and/or work at height applications. These activities carry inherent risk. Therefore, only properly trained and experienced rope technicians should use this product. It is critical that you seek professional instruction on the proper use and handling of this product and all other equipment in any system employed.

**Use Guidelines:** Sterling Life Safety Rope Products are intended to be used as a link in a life safety chain. For rescue applications, careful consideration should be given before and during use of this product as to how any rescue could be safely and efficiently carried out. You must understand safe working loads and the factors affecting system safety. The safe working load is the maximum load a rope is designed to sustain during normal use. Sterling lists the safe working load of the ropes based on a 10:1 component safety factor. System Safety Factor must be used when the rope is in use as knots & bends will weaken the rope and other equipment may affect the breaking strength of the rope. The system safety factor should take into account all components of the system.

The system must of necessity have a reliable anchor point, at the same height or above the user. All slack in the rope between the user and the anchor point must be avoided. These ropes are not designed for lead climbing. A Sterling dynamic rope meeting the requirements of UIAA 10YEN B92 should be used if there is potential for generating high impact forces.

**System Components:** All products used in conjunction with the rope in a fall arrest or rescue system must be compatible with the type of rope, its diameter and should comply with the respective ANSI/NFPA/CE standards for its use. All System Components must also be checked according to the manufacturer's recommendations with each use and be free of damage, excessive wear or burrs.

**Terminations:** The recommended knot for tying-on is a well-tightened figure eight knot. Do not use a carabiner for tying-in if there is a risk of a fall. Terminations may be made at any point along the rope with a figure eight loop. The minimum length of rope that must extend from both sides of each such knot is 10cm. If the rope is cut into a number of lengths, repeat and affix to each new end the markings of the original ends.

**Effects of Chemicals:** Harsh chemicals, in particular sulphuric acid (found in car batteries), attack the ropes plastic filaments and can dissolve them. This damage can be invisible to the naked eye, making it especially dangerous. In the instance of contamination, sheath discoloration may be imperceptible even though the core of the cord has been destroyed. It is difficult to estimate the potential damage of chemical contamination; therefore, never store your cord near chemicals. If chemical contamination is suspected retire the rope immediately.

**Cleaning:** Wash in warm to hot water with a mild soap (such as Sterling's Wicked Good Rope Wash), rinse thoroughly and hang to dry in shade. Do not put in a dryer. Disinfect using only materials that have no effect on the synthetic materials used.

**Sharp Edges:** The rope must be protected against sharp edges or anything that may cut the rope, internally or externally.

**Storage and Transporting:** Store your ropes in a dry, dark and cool place. Transport in a rope bag or backpack. Protect from direct sunlight, chemicals, heat, and mechanical damage.

**Replacement Criteria:** Ropes may be subject to irreparable damage during the first use. The rope must be retired immediately if any of the following are evident: excessive fraying, softness or stiffness; exposed cores; damage due to glazing or hard spots; or any lack of uniformity in diameter, color, texture. These ropes should be retired if they are exposed to excessive heat or are exposed to moderate heat levels on a consistent basis. Significant strength loss can occur at temperatures lower than the fiber melting points: 350F for nylon and polyester. Retire the rope if it has been subjected to a shock load, excessive loading, or it has come in contact with any type of harmful chemicals.

**Service Life:** The working life of your rope depends upon the type of rope, application, frequency, and proper use. These are guidelines and approximate service life for average and proper use of product.

- **Extensive Use:** Up to one year
- **Regular to Occasional Use:** Up to 5 years
- **Rarely Used:** Up to 10 years

**Sterling's guideline for rope cord retirement in regards to shelf life is:** Shelf life of any Sterling Rope Life Safety Product in unused condition stored properly in an environment not exposed to sunlight or hazardous materials will be a maximum of 10 years. Actual working life of a rope may be considerably shorter depending on care and use. It is therefore recommended that product history and use is documented. In no event should the combined storage and usage exceed 10 years. If there is any question as to the use, history, condition or quality of your rope, retire it.

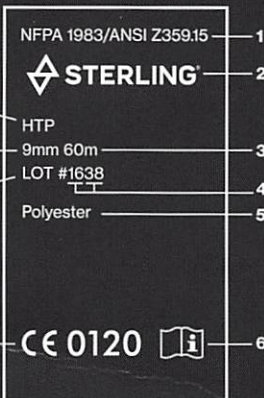
EC type examination for 3/8" HTP, 1/2" HTP, 5/8" HTP, based on NFPA 1953 specification. See product NFPA card for details

EC Type-examination for directive 89/686/EEC by notified body number 0120: SGS United Kingdom Ltd., Weston super-Mare, BS22 6WA, UK.

ANSI Z133 Certified for 7/16" HTP, 1/2" HTP and 5/8" HTP. Approved for tree climbing.

## Rope End Label Key

1	Standard Reference Norme de référence Norma de referencia Norma di riferimento Standardreferenz	6	Read Instructions for Use Lea las instrucciones de uso Lire les instructions d'utilisation Leggi le istruzioni per l'uso Lesen Sie die Gebrauchsanweisung
2	Manufacturer Fabricant Fabricante Fabricatore Fabrikant	7	Notified body controlling manufacturing Fabricación que controla del cuerpo de Notified Fabricazione di controllo del corpo di Notified Gemeldete steuerherstellung des Körpers
3	Length Longueur Largo Lunghzza Lengte	8	Traceability Traçabilité Trazabilidad Tracciabilità Traccerbaarheid
4	Year and Week of Manufacture Año y Semana de Fabricación Année et la Semaine de Fabrication Anno e Settimana di Fabricazione Jahr und Woche der Herstellung	9	Diameter Diámetro Diámetro Durchmesser
5	Construction Material Material de construcción Matériau de construction Materiale da costruzione Baumaterial	10	Model Reference Modèle de référence Modelo de Referencia Modello di riferimento Modellreferenz





<b>HTP</b>	<b>9 mm</b>	<b>3/8"</b>	<b>7/16"</b>	<b>1/2"</b>	<b>5/8"</b>
Diameter (mm)	9.0	10.0	11.0	12.5	16.0
Minimum Break Strength Rating (lbs)	4,496	5,979	6,856	9,081	12,993
Minimum Break Strength Rating (kN)	20.0	26.6	30.5	40.4	57.8
Sewn Eye MBS Rating (lbs)	4,226	5,328	5,845	7,823	11,221
Sewn Eye MBS Rating (kN)	18.8	23.7	26.0	34.8	49.9
Weight (lbs / 100')	4.3	5.3	6.5	8.0	12.5
Safe Working Load (10:1 lbs)	449	598	686	908	1,299
Elongation @ 300 lbs (%)	1.6	1.4	1.9	1.0	1.6
Elongation @ 10% MBS (%)	2.0	2.8	4.0	2.0	2.8
Elongation @ 900lbs (4kN) (%)	NA	NA	3.3	1.8	2.3
Average Break Strength Rating (lbs)	5,058	6,784	7,568	10,507	15,173
Average Break Strength Rating (kN)	22.5	30.2	33.7	46.7	67.3
Sheath Material	Polyester	Polyester	Polyester	Polyester	Polyester
Core Material	Polyester	Polyester	Polyester	Polyester	Polyester
NFPA 1983 Rating	NA	Technical	Technical	General	General
CE Certified	No	Yes	No	Yes	Yes
ANSI Z133	No	No	Yes	Yes	Yes
ANSI Z359.15	No	No	Yes	Yes	Yes

**CE 0120**



Notified Body 0120, SGS United Kingdom Limited, Unit 202B Worle Parkway, Weston-super-Mare, BS22 BWA UK is in charge of Quality Control systems for the final product.

**Sterling Rope Company, Inc.**  
**26 Morin Street, Biddeford, ME 04005**  
**T (207) 282-2550 F (207) 282-2655**

**SterlingRope.com**



**MADE IN U.S.A. WITH U.S. AND GLOBALLY SOURCED MATERIAL**

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EMERGENCY SERVICES LIFE SAFETY ROPE IN  
ACCORDANCE WITH NFPA 1983-2017 < 1NF3>  
ALSO IN ACCORDANCE WITH ANSI/ASSE Z359.15-2014

MEETS THE LIFE SAFETY ROPE REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE  
SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION.

Class: Technical Use Rope  
Min Break Strength: 30.5kN \ 6856 lbs  
Diameter: 11mm (7/16")  
Type of Fiber: Polyester

ELONGATION @ 1.35kN (300 lbs) \ 1.9%  
ELONGATION @ 2.7kN (600 lbs) \ 3.1%  
ELONGATION @ 4.4kN (1000 lbs) \ 3.7%  
7/16" HTP

If manufacturer supplied eye termination is provided the following three statements apply:



EMERGENCY SERVICES MANUFACTURER-SUPPLIED  
EYE TERMINATION IN ACCORDANCE WITH NFPA  
1983-2017 < 1NF3>

place sticker here

MEETS THE MANUFACTURER-SUPPLIED EYE  
TERMINATION REQUIREMENTS OF NFPA 1983, STANDARD  
ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY  
SERVICES, 2017 EDITION MBS 26 kN. Thread fiber: Polyester.

THIS ROPE IS CERTIFIED AS CLASS: TECHNICAL USE ROPE  
WITH MBS OF 30.5kN DIAMETER: 11MM. Type of fibers:  
Polyester.

**IMPORTANT: SAVE THIS LABEL FOR THE LIFE OF YOUR ROPE. DEATH OR DISMEMBERMENT MAY  
RESULT FROM NOT FOLLOWING THE INSTRUCTIONS / INFORMATION PROVIDED ON THIS SHEET.**

## LIFE SAFETY ROPE

**SAVE THIS INFORMATION:** Materials relating to this rope, including catalogs, hangtags, warning and information labels, must be retained and stored as a permanent record. Copies of any and all of the above mentioned items should be copied and kept with the rope during and throughout the life of the product for reference before and after each use. These instructions should be provided to all users.

**INSPECTION PROCEDURES:** This life safety rope must be visually and hand inspected by a qualified person, following the inspection procedures listed here, both before and after each use. The inspector must thoroughly feel and inspect for dents, bumps, cuts, abrasion and other signs of damage that may have resulted from use. The inspection must also answer the following questions: Has this rope been visually damaged? Has this rope been exposed to heat, direct flame impingement or abrasion? Has this rope been subjected to any impact load? Has this rope been exposed to liquids, solids, gases, mists or vapors of any chemical or other material that can deteriorate the fiber(s)? If the rope is terminated with a manufacturer-supplied eye: Has the loop of the eye been damaged? Has the thread of the sewn termination been damaged? In the case of a swaged termination does the contact point of swage and rope show wear or damage? If any of the questions listed here have been answered "yes", then refer to "retirement criteria."

**RECOMMENDATIONS:** The life of this rope may be extended if proper care and techniques are used to protect it from abrasion, shock loading, excess loads beyond recommended working loads, UV, flames and high temperatures, chemicals and over use during all exercises or while in storage or transportation. Great care should be taken when using this equipment around hazards such as moving machinery and electrical hazards.

**RECORD THE HISTORY:** In addition, Sterling Rope recommends that a Log Book be maintained recording the use and history of the rope. It may contain at least the following: date of use, type of use, location of use, possible exposures, date inspected, who performed inspection, condition of use and any additional comments. If manufacturer supplied termination is included the records should include inspection of the loop of the eye and for worn or broken thread in the sewn termination.

**ANCHORAGE:** ANSI Z359 requires an anchorage to be no less than 5,000 lbs. (22.2 kN). When securing the rope to any anchor use an accepted life safety knot (figure 8, etc.) and ensure that there are no edges that could damage the rope. Avoid swinging fall hazards encountered when the anchorage is not directly overhead.

**FALL ARRESTORS:** These ropes when used as an ANSI Z359.15 certified single anchor lifeline can be used with fall arresters designed to be used with kernmantle ropes for the specific diameter rope that you are using. The capacity range for a single anchor lifeline should always be between 130 pounds to 310 pounds. Only one fall arrester should be attached to a single anchor lifeline at a time. Do not use fall arresters and/or lanyards that may interfere with the lifeline.

**CALCULATING REQUIRED CLEARANCE:** There must be sufficient clearance to arrest a fall below the anchorage so that the user does not impact the ground or an obstruction. When calculating the clearance needed in case of a fall, account for a minimum 3' safety factor, deceleration distance, user height, length of lanyard, and any other applicable factor.

Additional information regarding life safety rope may be found in NFPA 1500 and NFPA 1983 at: [www.nfpacatalog.org](http://www.nfpacatalog.org)

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PROUDLY MADE IN THE U.S.A.  
of locally and globally sourced materials.