



POWER AND SAIL

MARINE PRODUCTS



NEW ENGLAND ROPES

TOGETHER IN MOTION

© Ingrid Alamy

NEW ENGLAND ROPES

YOUTH AMERICA'S CUP

Our long-standing tradition, innovative power and quality were the main criteria that led Red Bull to equip all the boats in the Red Bull Youth America's Cup with ropes made by New England Ropes.

In addition to our goal of providing customers with globally unique custom tailored lines, our overall product quality, safety measures, innovation, and exceptional customer service are all integral parts of New England Ropes' formula for success.

Whether regatta racing professionally or casually cruising on a Sunday afternoon, our lines are built to meet your needs and will perform without exception.

We are convinced that we provide our customers with the best possible solutions for their cordage needs.

Visit www.neropes.com for more information.

Like us on Facebook at /NewEnglandRopes

Follow us on Twitter @newenglandropes

Check out the latest product and splicing videos on our Youtube Channel.





Red Bull
Youth
AMERICA'S
CUP

Red Bull
Youth
AMERICA'S
CUP

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Red Bull
Youth
AMERICA'S
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NEW ENGLAND ROPES
TOGETHER IN MOTION

NEXT WORLD
GROUP

Red Bull



Red Bull

accerate



LessAdmin.com

TEUFELBERGER AND NEW ENGLAND ROPES

WE CARE MORE FOR OUR CUSTOMERS

Success through perfection. The name TEUFELBERGER represents a dynamic corporate group with three strategic business divisions and more than 220 years of experience. Through the hard work and dedication of our 800 dedicated associates in three countries, TEUFELBERGER has become a global leader in the marketing and manufacturing of wire rope, fiber rope, strapping and baler twine.

Together in motion. Whether for the transportation, fastening or securing of people and goods – our ropes, belts, and twines allow movement while at the same time keep things together. We're also continually moving in another sense of the word: Quick reactions to customer needs as well as continual innovation, improvement and diversification of our products are fundamental to our parts of corporate culture and typical of the dynamism which distinguishes us.

Close collaboration with our clients and suppliers, the creation of synergy between the three technologies, and the closeness of the

family owned company to its employees are further examples of what makes us unique.

We see ourselves as a provider of solutions for the optimal use of high quality products which guarantee our global customers a flawless operation and ensures the achievement of their goals. Above average know-how, new technologies and comprehensive service guarantee the highest levels of quality and reliability. We set standards in more than 90 countries with our three technologies of wire rope, fiber rope, and extrusion.

OUR THREE BUSINESS DIVISIONS



Wire Rope

CRANE ROPES

for cranes in the construction industry, harbors, ships, and offshore

ROPEWAY ROPES

for passenger ropeways, aerial ropeways for goods and slope winches

ROPES AND SAFETY

ropes and harnesses for lifting and securing as well as forest ropes



Fiber Rope

YACHTING ROPES

for power and sailing boats

TECHNICAL FIBER ROPES

for industry, winches, and logging applications

FALL PROTECTION EQUIPMENT

ropes and harnesses for industry, arboriculture, and climbing

COMPOSITE BRAIDING

composite fiber architecture for automotive, aeronautics, and general industry



Fibers & Plastics

STRAPPINGS

for packaging applications for the bundling of cans, magazines, construction materials, wood, bales, and many more

BALER TWINES

for an efficient harvest



TOGETHER IN MOTION

PERFORMANCE TESTED

New England Ropes is a resource that is unique in the industry. Consider New England Ropes uncompromising. That’s the reputation you get when you develop products for the toughest customers in the pleasure cruising, performance racing, and competitive dinghy sailing markets.

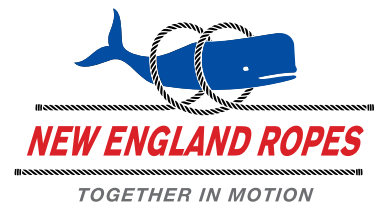
PRODUCTS FOR POWER AND SAIL	
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In fact, as you’ll see in the following pages, we develop and produce more marine rope products than anyone else in the business.

Regardless of your sailing style, products by New England Ropes are engineered to offer superior feel, handling, and performance. Our ropes enable cruisers to feel safe and comfortable in any waters. Our high tech rope assortment allows racing sailors to push their personal limits, as well as the limits of their sport. And our small cords reassure competitive dinghy sailors that we’ll keep them light without skimping on performance.

Small wonder. Innovation here is the order of the day – every day. Through ceaseless research and development, we’re able to advance the technology of performance on a regular basis. Our insistence upon strict quality control is second to none, as evidenced by the punishing product testing that each and every New England Ropes product must withstand.

At New England Ropes, we’re proud to be able to offer you a broad array of running rigging, dock, and anchor line products that combine superior quality and durability with unsurpassed reliability and value. For products that work harder, smarter, and better, count on New England Ropes.



A FEW THINGS YOU SHOULD KNOW

MANUFACTURING AND CONSTRUCTION

What does performance mean to you? If you're an AC syndicate racer, it's ultra high strength, ultra low stretch. If you're a casual cruiser, it's great handling and durability. If you're a power boater, it's that extra bit of stretch and strength whenever the wind kicks up at the dock.

> **How does New England Ropes consistently deliver such performance, regardless of application?**

It comes down to the choices we create and make available in both fiber and construction. For your "great race," we've developed matchless high modulus fiber lines to give you a lasting competitive edge. For family cruising, peace of mind comes in the form of high quality polyester lines that are durable, UV resistant, and comfortable to grip and handle. For docking or mooring, our nylon lines withstand the sea's fury to ensure the safety of your boat.

> **What you should know about fibers.**

One of the building blocks of any line, regardless of the ultimate use, is fibre. We feel that it is important for you, as the end-user expecting certain performance, to have a basic understanding of the characteristics of the various fibers used in the manufacture of rope today. The following table will help.

> **So where should these fibers be used?**

Nylon: Application where strength and shock absorption are important, i.e. dock and anchor lines.

Fiber Type	Strength	Stretch	Resistance to UV	Cost
Nylon	high	high	good	moderate
Polyester	high	low	good	moderate
HMPE	very high	very low	good	high
Aramids	very high	very low	fair	high
LCP	very high	very low	fair	high
PBO	very high	very very low	poor	very high
Polypropylene	low	moderate	poor	very low

Polyester: Situations where strength, low stretch, and durability are key, i.e. most running rigging applications.

HMPE, Aramids, and LCP: These are all generic fiber types. HMPE refers to Dyneema® or Spectra®, Aramids refer to Kevlar®, Technora®, and Twaron®, while LCP refers to Vectran®. These are all considered very extremely low stretch but come with a high price tag. Generally found on very serious racing sailboats and larger yachts for running rigging.

A WIDE RANGE OF DIFFERENT CONSTRUCTIONS

New England Ropes goes to great lengths to achieve optimum performance from every line. We have a specific type of line to meet each of your needs.



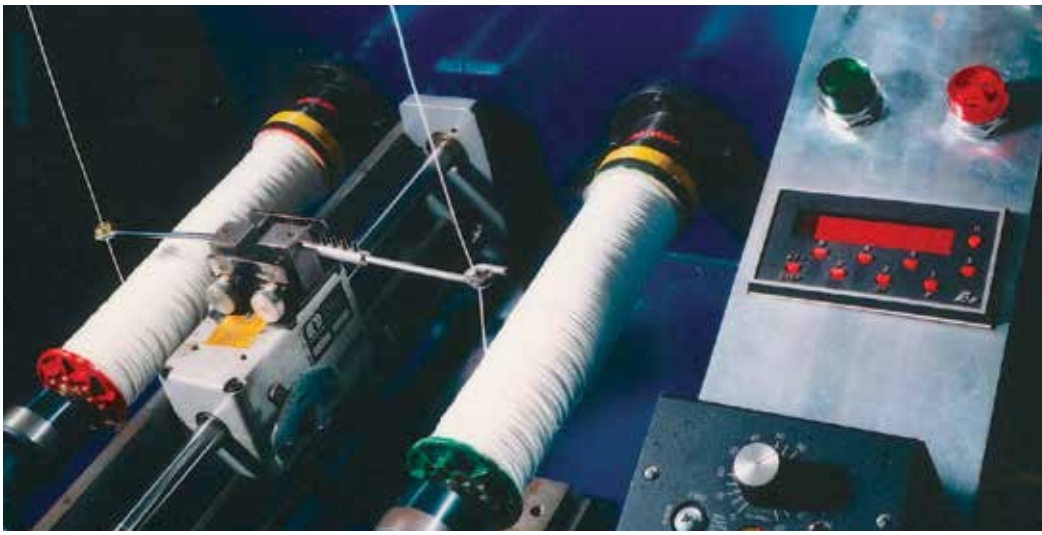
DOUBLE BRAID

A braided core inside a braided cover produces an easy-to-handle rope that is strong and very durable. A popular construction for running rigging and docking lines. Used in Sta-Set, Endura Braid, T-900, V-100, and Double Braid docklines.



PARALLEL CORE

A patented unidirectional fiber core with a braided cover produces a line with significantly less stretch and greater strength than the same size double braid line. Ideal for halyards, sheets, and guys, where low stretch is required. Used in Sta-Set X.



PBO: Generic fiber type which refers to the brand name Zylon®. PBO is a high performance fiber with the highest strength and lowest stretch of any other commercially available fiber. It is extremely expensive and experiences progressive strength loss when exposed to UV rays. For this reason, PBO is typically only used in extremely high load applications in only the highest level of competitive sailing. In most cases the best use is for abrasion resistance in covers.

Polypropylene: Applications where lightweight or very low cost is important such as light air spinnaker sheets or barrier rope for swimming.

> What you should know about construction.

At New England Ropes we utilize many different types of constructions. Most people recognize three strand, single braid and double braid as the basic methods of twisting or braiding fibers into a finished line. The process of twisting fibers by its very nature reduces strength and increases stretch.

At New England Ropes, we pioneered a fourth construction technique called parallel (fiber) core construction (Sta Set X). By keeping the fibers in parallel, we align the fibers with little or no twist. Our patented construction technique of wrapping the core and braiding a cover produces a line that has higher strength and significantly less stretch than a comparable single or double braid. Innovation, experience, and high standards of quality are what set New England

Ropes apart from the field.

As an ISO 9001 accredited manufacturer, our commitment is to consistency in manufacturing for reliability in delivery. We utilize all our resources to maintain our position as one of the leading innovators in rope performance and technology. At New England Ropes we select only the highest quality fiber from leading worldwide suppliers.

The challenge is to blend the fiber's characteristics and our years of design and manufacturing experience into finished products that perform to your exacting standards. Those standards depend on your particular application and expectations. Predictability and control of strength, stretch, and durability are the ultimate goals for rope performance, or all boaters. Our choice of materials, construction techniques, and years of experience makes New England Ropes the leader in rope technology.

> How do we at New England Ropes define performance...
Exactly as you choose to define it.

Dyneema® is a registered trademark of DSM
Vectran® is a registered trademark of Hoechst Celanese
Kevlar® is a registered trademark of Dupont
Zylon® is a registered trademark of Teijin
We reserve the right to modify technical specifications and misprints.



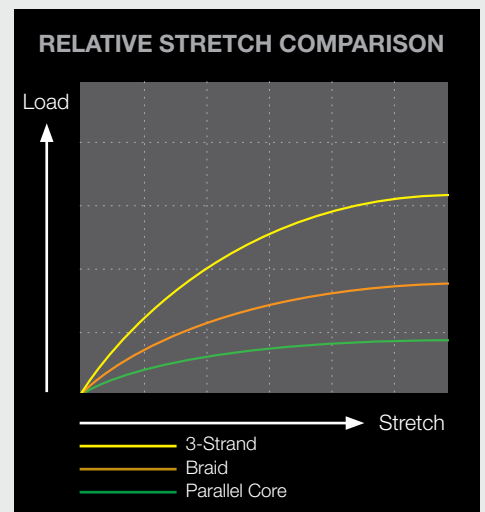
SINGLE BRAID

A flexible and supple construction that absorbs twist and does not kink. Perfect for mainsheets, furling lines, and large dock lines. Used in Regatta Braid, Regatta lite, STS-12, V-12, and Mega Braid.



3-STRAND

A special stabilization process and a four-stage, balanced construction produce a durable, long-lasting, flexible, and easy-to-handle rope that won't harden with age. Ideal for anchor, dock, mooring, and tow lines, and for running rigging on traditional cruising boats.





STS – STRONGER THAN STEEL™ HSR



STS
STRONGER THAN STEEL

- > HIGHER BREAKING FORCE
- > LOWER CONSTRUCTIONAL ELONGATION
- > LONGER LIFE

New England Ropes' international team has succeeded in developing an entirely new technology providing many benefits to our customers. It's name: STS™, stands for „stronger than steel“.

In an ideal rope, each of its elements carries an equal share of the load that is applied to the rope. This makes it possible to derive maximum benefit from the performance potential of the materials used. Unfortunately, in practical use, it has not been possible to fully exploit this potential. Therefore, in order to further improve the performance of our products, we have developed an entirely new stretching process.

Stretching under heat is used to match fiber lengths within the cross-section with one another. This causes the load on the rope to be distributed evenly to several load-carrying elements. As a result, the breaking force can be increased significantly. In addition, construction-dependent elongation is reduced to a minimum. The rope's cross-section becomes more compact, resulting in an extremely robust rope that has a closed structure which increases the rope's overall service life, even without a cover.

THE CONVENTIONAL ROPE

- Nonuniform fiber lengths in the rope's longitudinal profile
- Molecular chains are not fully oriented in the direction of the force
- Inefficient degree of utilization of the fibers contained in the rope

ADVANTAGES OF A ROPE INCORPORATING STS™ TECHNOLOGY

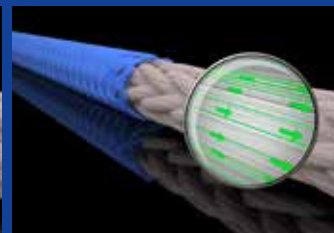
- very high breaking force paired with a small diameter
- low constructional elongation
- long service life due to closed rope structure, even without cover
- stable rope cross-section

STS – STRONGER THAN STEEL™ ROPE

- Uniform fiber lengths in the rope's longitudinal profile
- Molecular chains are oriented in the direction of the force
- Improved degree of utilization of the fibers contained in the rope
- Higher breaking strength
- Stable rope cross-section
- Compact rope structure



> conventional rope



> STS™ rope



Technology



Single braid Heat-Set Dyneema® SK75

ADVANTAGES OF STS™ TECHNOLOGY

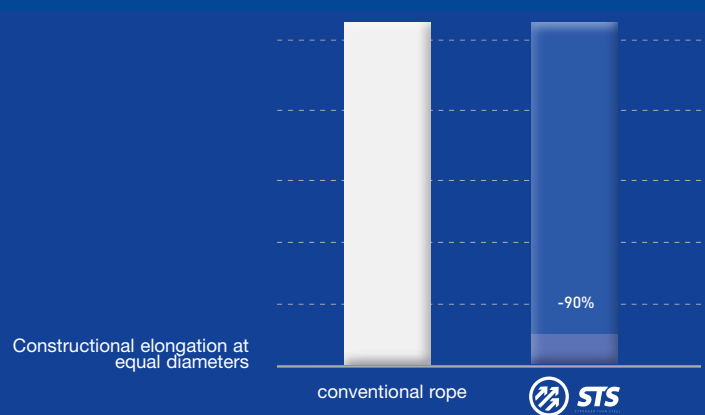
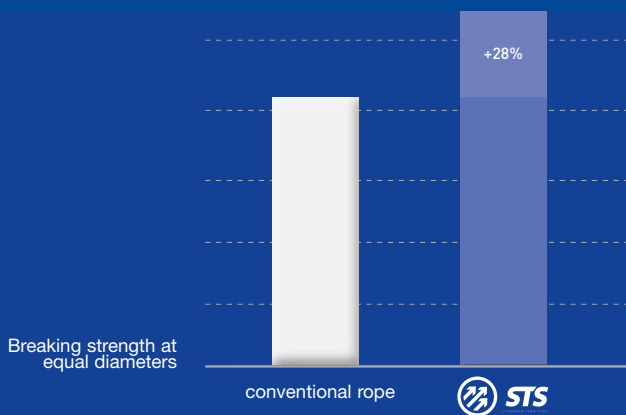
TEUFELBERGER STS™ ropes feature consistent high quality and stand out due to:

- uniform tension
- uniform heating
- no undesired transfer of heat to the rope
- minimized rotation of rope during the process
- protection of rope from local overheating

YOUR BENEFIT IN NUMBERS

- up to 28% higher breaking force
- Reduction of the construction elongation between 90% to 100%

	3mm	5mm	6mm	7mm	9mm	10mm	11mm
Tensile	5,200	9,470	12,385	18,690	23,600	26,025	31,532
Weight	0.6	1.3	1.7	2.5	3.3	4.3	5.1



COMPETITION AND REGATTA TESTED

GRAND PRIX RACING LINES

CUSTOM PRODUCTS



Dyneema®
Vectran®, or Zylon® Core

24 Carrier Zylon® Cover

THE ULTIMATE IN CUSTOM PERFORMANCE

this high performance protective cover is made out of 100% Zylon® and is used in specialized applications. As with all custom products, grand prix racing enthusiasts should consult a rigging professional for proper use and application.

APPLICATIONS: Sheets, guys, and runner tails

PRO-PBO

Sizes: 8mm, 9mm, 11mm



12-strand Coated
Zylon®

24 Carrier Polyester

PRO-PBO FEATURES an extremely durable, 24-carrier polyester cover and a 12-strand coated Zylon® core.

APPLICATIONS: Sheets, halyards, and guys

V-100

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm



Vectran® Polyester Green Black Red Blue White with tracer Black with tracer Red with tracer Blue with tracer Green with tracer

THE ULTIMATE IN HIGH LOAD PERFORMANCE

V-100 features a braided 100% Vectran® 12-strand single braid core treated with our unique Marine-Tech coating with a highly durable and attractive polyester cover.

BENEFITS: The strong, low stretch high-tech line for its size, good abrasion resistance, and virtually no creep.

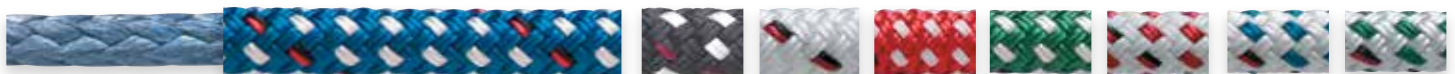
APPLICATIONS: Main halyards, genoa halyards, afterguys, and guys.

	5mm	6mm	8mm	9mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	2,400	4,600	8,600	9,100	12,600	17,200	19,200	23,500	26,000	33,620
Weight	1.5	2.1	3.5	4.4	5.3	6.5	7.1	9.9	13.4	18.0

ENDURA BRAID



Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm



Dyneema® Polyester Solid Blue Black White Solid Red Solid Green Red Check Blue Check Green Check

PERFORMANCE, STRENGTH, AND DURABILITY FOR THE COMPETITIVE SAILOR, ENDURA BRAID FEATURES

a specially engineered 12-strand Dyneema® core, with Marine-Tech coating, and a 24 carrier braided polyester cover.

BENEFITS: Size for size, outperforms any other UHMWPE line! Very high strength-to-weight ratio, very low stretch, low creep and outstanding durability. Coated braided core is ideal for durable, tapered sheets and halyards.

APPLICATIONS: All running rigging requiring a durable, low stretch, lightweight line, such as sheets, halyards, guys, topping lifts, reef lines, or low-stretch control lines.

	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	3,100	4,500	8,100	11,000	14,900	21,500	25,200	29,000	40,000
Weight	1.1	1.8	3.0	4.5	5.4	6.6	8.6	11.8	15.8



©JOY / jpsasamath.com

DYNEEMA® CHAFE SLEEVE

Sizes: Extra Small (3-4mm core), Small (5-8mm core), Medium (.8.5 - 11mm core), Large (12-16mm core)



Dyneema® White

DYNEEMA® COVER is perfect for use with high tech cores or twelve strands (Endura-12, V-12 or PBO). Very tough and abrasion resistant, easily taperable for halyard ends.

APPLICATIONS: Sheets, halyards, guys, and strops

VEC-TEC

Sizes: 8-10mm, 10-12mm



24 Carrier Vec Tec Cover White / Beige White / Black

FOR INCREASED DURABILITY AND ABRASION RESISTANCE is perfect for use with high tech cores or twelve strands (Endura-12, V-12 or PBO). Very tough and abrasion resistant, easily taperable for halyard ends.

APPLICATIONS: Sheets, halyards, guys, and strops

POLY TEC

Sizes: 6 - 14mm



Dyneema® Core can be supplied on a limited basis
24 Carrier Poly Tec Cover Grey / Blue Grey / Orange Grey / Red Grey / Yellow Grey / Green

IDEAL BALANCE OF TECHNORA FIBER AND POLYESTER engineered to the demanding standards of riggers worldwide. Poly Tec is a blend of Technora and Polyester offering excellent abrasion and heat dissipation. With excellent cut resistance and a level of grip that other high tech fibers don't offer. Poly Tec is ready to be used with a variety of cores including our Endura-12 or V-12.

APPLICATIONS: Runner tails, mainsheets, gena sheets, and spinnaker sheets

	6mm	8mm	10mm	12mm	14mm
Tensile	5,590	8,840	13,100	21,700	34,300
Weight	3.0	4.2	5.4	6.6	9.0

POLY TEC COVER ONLY



24 Carrier Poly Tec Cover Grey / Green Grey / Orange Grey / Red Grey / Yellow Grey / Blue

IDEAL BALANCE OF TECHNORA FIBER AND POLYESTER engineered to the demanding standards of riggers worldwide. Poly Tec is a blend of Technora and Polyester offering excellent abrasion and heat dissipation. With excellent cut resistance and a level of grip that other high tech fibers don't offer. Available in sizes 8, 10, 12mm. Other sizes made to order.

APPLICATIONS: Runner tails, mainsheets, gena sheets, and spinnaker sheets.

ARC

Sizes: 8-10mm, 10-12mm



Vectran® or Dyneema® Technora®, Nomex, Polyester Red Green Black

“BULLET PROOF” COVER WITH VECTRAN OR DYNEEMA CORE ARC utilizes our Hybrid Performance Technology, ARC (Abrasion Resistant Cover) combines the heat resistant fibers Technora® and Nomex with colored polyester to improve abrasion resistance and aid in line identification.

APPLICATIONS: Runner tails, mainsheets, gena sheets, and spinnaker sheets

	8mm	10mm
Tensile	7,500	11,500
Weight	3.7	6.2

FOR THE COMPETITIVE SAILOR

STRONGER THAN STEEL™

STRONGER THAN STEEL™ - HSR

Sizes: 3mm, 5mm, 6mm, 7mm, 9mm, 10mm, 11mm



Single braid Heat-set Dyneema® SK75

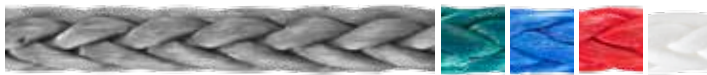
COMPRISED OF HEAT-TREATED DYNEEMA® FIBER

At a microscopic level, this process causes the molecular chains to be oriented such that they are linear, thus ensuring great load bearing capacity. The STS process increases the rope's breaking strength with increased temperature and tension and achieves a uniform fiber distribution.

	3mm	5mm	6mm	7mm	9mm	10mm	11mm
Tensile	5,200	9,470	12,385	18,690	23,600	26,025	31,532
Weight	0.6	1.3	1.7	2.5	3.3	4.3	5.1

ENDURA 12

Sizes: 2mm - 36mm



Single braid Dyneema® SK75

LOW STRETCH, VERY HIGH STRENGTH

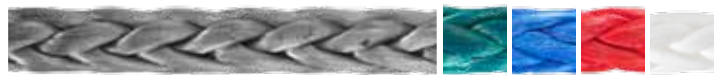
Endura 12 features 100% HMPE Fiber. This 12-strand single braid is treated with our unique Marine-Tech coating for excellent abrasion and UV resistance.

BENEFITS: Ultra high tensile, lightweight, low stretch, and it floats

APPLICATIONS: Cascade lines, halyards, wire rope replacement, cunningshams, and vang systems.

HTS-78

Sizes: 2mm - 36mm



Single braid Dyneema® SK78

VERY HIGH STRENGTH, LOW STRETCH, ULTRA LOW CREEP

HTS-78 features 100% HMPE Fiber. This 12-strand single braid is treated with our unique Marine-Tech coating for excellent abrasion and UV resistance. This ultra low creep line yields the highest levels of performance, time and again.

BENEFITS: Ultra high tensile, lightweight, low stretch, and it floats

APPLICATIONS: Cascade lines, halyards, wire rope replacement, cunningshams, and vang systems.

	2mm	3mm	4mm	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm	22mm
Tensile	1,000	2,800	4,300	6,050	9,700	14,500	18,800	24,000	34,300	42,000	58,000	69,000	97,500
Weight	0.2	0.5	0.7	1.2	1.8	2.5	3.4	4.2	6.2	7.2	10.1	13.8	18.8

HTS-90

Sizes: 3mm - 12mm



Single braid Dyneema® SK90

ULTRA LIGHT AND SUPER STRONG

HTS-90 is made from 100% Dyneema® SK-90 fiber making it the strongest, most powerful rope in its class. It's lightweight, flexible, has excellent abrasion and UV resistance, and does not absorb water.

APPLICATIONS: Strops, loops, halyard cores, wire rope replacement

	3mm	5mm	6mm	8mm	10mm
Tensile	3,400	12,000	9,700	16,300	25,500
Weight	0.5	1.4	2.0	2.9	4.2

WR²

Sizes: 3mm, 4mm, 5mm, 7mm



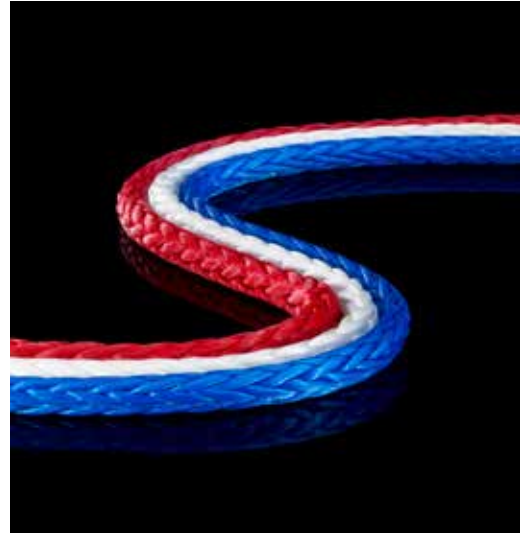
Dyneema® Core with Dyneema® Cover

EXTREMELY LIGHTWEIGHT AND VERY HIGH STRENGTH

WR² is made of 100% Dyneema® fiber. It's the perfect wire rope replacement for lifelines and selected standing rigging. It's lighter, more flexible, and has a much longer service life than wire.

APPLICATIONS: Wire replacement for selected standing rigging and life lines.

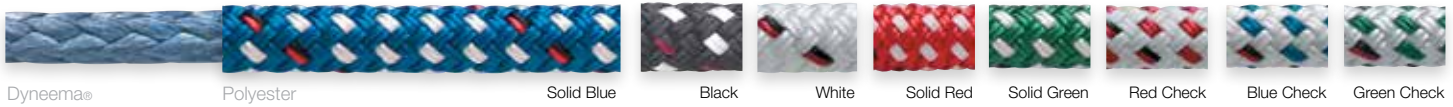
	3mm	4mm	5mm	7mm
Tensile	1,800	3,670	4,000	7,400
Weight	0.4	0.8	1.2	1.9



ENDURA BRAID



Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm



Dyneema® Polyester Solid Blue Black White Solid Red Solid Green Red Check Blue Check Green Check

PERFORMANCE, STRENGTH, AND DURABILITY FOR THE COMPETITIVE SAILOR, ENDURA BRAID FEATURES a specially engineered 12-strand Dyneema® core, with Marine-Tech coating, and a 24 carrier braided polyester cover.

APPLICATIONS: All running rigging requiring a durable, low stretch, lightweight line, such as sheets, halyards, guys, topping lifts, reef lines, or low-stretch control lines.

BENEFITS: Size for size, outperforms any other UHMWPE line! Very high strength-to-weight ratio, very low stretch, low creep and outstanding durability. Coated braided core is ideal for durable, tapered sheets and halyards.

	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	3,100	4,500	8,100	11,000	14,900	21,500	25,200	29,000	40,000
Weight	1.1	1.8	3.0	4.5	5.4	6.6	8.6	11.8	15.8

ENDURA BRAID EURO STYLE



Sizes: 6mm, 8mm, 10mm, 11mm, 12mm



Dyneema® Polyester Green Yellow Red Blue

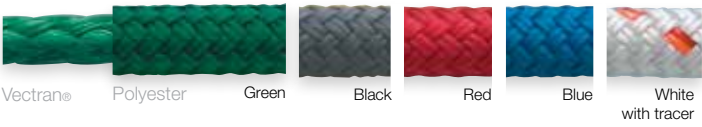
ENDURA BRAID EURO STYLE WAS DEVELOPED in conjunction with leading riggers worldwide and tested in the harshest of conditions, Endura Braid Euro Style surpassed the standards of performance time and again. Endura Braid Euro features a Dyneema® 12-strand core.

	5mm	6mm	8mm	10mm	11mm	12mm	14mm
Tensile	3,100	4,500	8,100	11,000	14,900	21,500	25,200
Weight	1.1	1.8	3.0	4.5	5.4	6.6	8.6

APPLICATIONS: All running rigging requiring a durable, low stretch, lightweight line, such as sheets, halyards, guys, topping lifts, reef lines, or low-stretch control lines.

V-100

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm



Vectran® Polyester Green Black Red Blue White with tracer

THE ULTIMATE IN HIGH LOAD PERFORMANCE, V-100 features a braided Vectran® 12-strand single braid coated core with polyester cover.

BENEFITS: Highest strength, lowest stretch, and creep of any 12-strand

APPLICATIONS: Main halyards, genoa halyards, afterguys, and guys

	5mm	6mm	8mm	9mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	2,400	4,600	8,600	9,100	12,600	17,200	19,200	23,500	26,000	33,620
Weight	1.5	2.1	3.5	4.4	5.3	6.5	7.1	9.9	13.4	18.0

V-12

Sizes: 3mm, 4mm, 6mm, 8mm, 10mm, 11mm, 12mm



Single Braid Vectran® Gold Red Green Blue Black

STRONG, LOW STRETCH 12-STRAND ROPE, V-12 is a superior braided 12-strand single braid treated with our Marine-Tech coating.

BENEFITS: Highest strength, lowest stretch and creep of any 12-strand

APPLICATIONS: Strops, loops, halyard cores, wire rope replacement

	3mm	4mm	5mm	6mm	8mm	10mm	11mm	12mm
Tensile	2,100	3,300	4,950	7,200	10,900	17,000	26,000	29,200
Weight	0.4	0.8	1.2	1.5	3.2	4.8	6.6	7.5

FOR THE CLUB RACER / PERFORMANCE CRUISER

PERFORMANCE BLENDS

VPC

Sizes: 6mm, 8mm, 10mm, 11mm, 12mm



A UNIQUE MID-TECH PRODUCT FOR SHEETS AND HAL-YARDS, VPC utilizes Hybrid Performance Technology and features a strong core blended Vectran® and polyolefin with a durable polyester cover.

BENEFITS: A high strength low stretch alternative to a high tech line. VPC fills the gap between performance polyester lines and ultra high performance racing lines.

APPLICATIONS: Designed with the casual racer and offshore cruiser in mind, VPC will result in noticeable performance improvements when used for mainsheets, halyards, or jib sheets.

	6mm	8mm	10mm	11mm	12mm
Tensile	3,200	5,500	6,500	8,500	10,200
Weight	1.8	3.3	4.8	5.9	6.4

T-900



Sizes: 6mm, 8mm, 10mm, 11mm, 12mm, 16mm, 18mm, 20mm



A LOW STRETCH AND LOW CREEP MAIN HALYARD, this product T-900 features our pioneering blend of Dyneema® and Technora® core with a durable polyester jacket

BENEFITS: A combination of high strength, low weight plus low creep. An excellent choice for static loads. A more economical option to V-100.

APPLICATIONS: Halyards and guys.

	6mm	8mm	10mm	11mm	12mm
Tensile	4,700	6,800	11,000	14,300	15,700
Weight	2.3	3.2	5.1	5.5	6.4



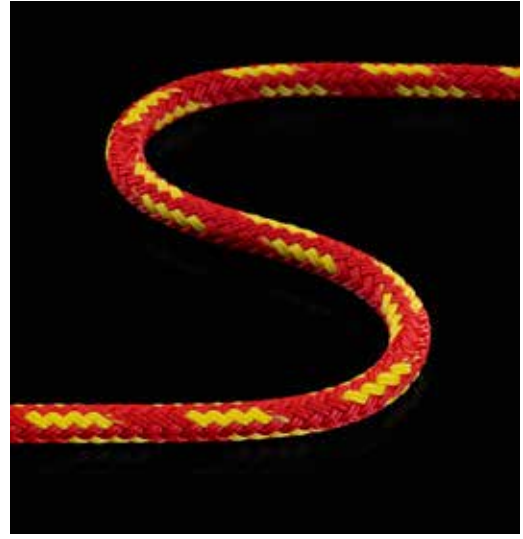


Photo By: Lighthouse O'Connor

FLIGHT LINE



Sizes: 6mm, 8mm, 10mm



Dyneema® XLF Green with Tracer



Red with Tracer



Yellow with Tracer



Blue with Tracer

STRONG AND LIGHTWEIGHT SHEETS, PERFECT FOR TAPERING, Flight Line will certainly take-off with its lightweight, non-absorbent XLF cover and 100% braided Dyneema® core.

APPLICATIONS: Perfect as light air spinnaker sheets on larger one designs such as Ynglings, Lightnings, and Thistles. Also used as mainsheets for performance dinghies. Light air spinnaker sheets, mainsheets, control lines, and topping lifts.

BENEFITS: Strong, lightweight, flexible, low-stretch line with a braided core that is easily tapered. Soft on the hands and gets even softer with use.

	6mm	8mm	9.5mm
Tensile	2,500	4,000	4,700
Weight	1.4	2.0	3.2

SALSA LINE



Sizes: 6mm, 8mm, 10mm



Dyneema® and Spun Filament Polyester Salsa Red



Steel Gray



Green



Red, White, & Blue

ULTRA STRONG, ULTRA SOFT SHEET FOR LARGER ONE DESIGNS AND KEELBOATS, your hands will love this soft and exceptionally strong single braid constructed Dyneema® plus spun filament polyester.

APPLICATIONS: Perfect for boats that require high tensile, such as J24s, Sonars, Finns, and larger performance boats. Mainsheets, genoa sheets, and traveler line.

BENEFITS: Very strong, yet soft and easy to grip. Has proven to be a great kink-free sheet for larger dinghies and keelboats. Easy to splice.

	6mm	8mm	10mm
Tensile	2,850	4,000	5,000
Weight	1.8	3.0	3.5



© US Sailing

FROM PRAMS TO SPORT BOATS

DINGHY AND ONE DESIGN RACING

FINISH LINE

Sizes: 3mm, 4mm, 5mm, 6mm



THE STRONGEST PRE-STRETCH LINE ON THE MARKET, Finish Line is made from high tenacity tension-set polyester with an 8-strand “nubby” cover and continuous filament core.

BENEFITS: Low stretch, durable cover, yet still nice on the hands; flexible and easy to knot. The highest strength line of its kind at an economical price.

APPLICATIONS: Dinghy outhauls, vang systems, cunninghams, hiking strap lines, centerboard lines, topping lifts, and halyards. Perfect all-purpose control line for 420s, V-15s, FJs, JY15s, Flying Scots, Laser IIs, & Hobies.

	3mm	4mm	5mm	6mm
Tensile	500	920	1,550	2,000
Weight	0.6	0.8	1.3	1.7

SPYDERLINE



Sizes: 1.8mm, 2.8mm, 3.8mm, 4.8mm



SPIDER-WEB STRENGTH IN A DINGHY CONTROL LINE, Thanks to its Dyneema® core and twill pattern (smooth) cover, Spyderline is just the right small diameter line needed for higher load applications.

BENEFITS: Very strong and low stretch. Flexible yet firm enough to be fed through small leads, micro blocks and purchase systems. Sizes over 1.8mm have a braided core, allowing for additional performance modifications.

APPLICATIONS: Dinghy and small one design cunninghams, traveler lines, vang systems, trapeze lines, outhauls, topping lifts, halyards, and twings. The 1.8mm and 2.8mm lines are perfect sail ties for the performance Opti sailor.

	1.8mm	2.8mm	3.8mm	4.8mm
Tensile	350	1,250	1,860	3,000
Weight	0.2	0.5	0.85	1.4

MINI V

Sizes: 2mm, 3mm, 4mm



THE NEW MINI V HAS A TIGHT POLYESTER COVER AND FLEXIBLE VECTRAN CORE. Ideally suited for dinghy control lines where a high strength to size ratio is needed along with low stretch, no creep, and excellent knotability.

	2mm	3mm	4mm
Tensile	270	930	1,440
Weight	0.2	0.4	0.9



© Chris Van der Wal



BZZZ LINE



Sizes: 7mm, 8mm



Spin Polyester and Mult-Filament Polypropylene Royal Blue



Gold



Steel Gray



Bzzz Yellow

KINK-FREE SHEETS YOUR HANDS WILL LOVE, Single braid construction makes Bzzz Line kink-free, while the unique combination of spun polyester (that's the fuzzy stuff) and multi-filament polypropylene makes it soft on the hand and lightweight.

BENEFITS: Unlike other single braids that flatten out after time or squish in cleats, Bzzz Line retains its round shape allowing for better grip and ease of cleating. Runs smoothly through blocks and stays soft use after use.

APPLICATIONS: Perfect mainsheet for Lightenings, Lasers, Optimists, Stars. Bzzz Line also works well on larger boats as control lines and mainsheet fine-tune. Rinse thoroughly before first use.

	7mm	8mm
Tensile	1,750	3,000
Weight	2.0	2.6

REGATTA LITE



Sizes: 6mm, 8mm, 10mm



12-Strand Multi-Filament Polypropylene Teal with tracer



Purple with tracer



Yellow with tracer

LIGHTWEIGHT AND GREAT TO HANDLE!
A 12-strand, single braid, multi-filament polypropylene line.

BENEFITS: Extremely lightweight (either wet or dry), does not kink and is easy to handle.

APPLICATIONS: Dinghies / small keel boats, mainsheets, control line. Ideal line for halyard tail on larger boats. 8mm meet USCG specification 46 CFG 180.70 as a life line on a ring life buoy.

	6mm	8mm	10mm
Tensile	1,050	2,560	3,200
Weight	1.3	2.2	2.9

PRE-CUT DINGHY LINES

SPYDERLINE AND FINISH LINE HIGH PERFORMANCE LINE.
Utilizing our strong lightweight Spyderline and Finish Line, these pre-cut performance sailing dinghy lines are ready to use. Select a size and color and have your boat rigged in no time.

APPLICATIONS: Dinghy and small one design cunningshams, traveler lines, vang systems, trapeze lines, outhauls, topping lifts, halyards, and twings. The 1.8mm and 2.8mm lines are perfect sail ties for the performance Opti sailor.

Sizes:
Spyderline 1.8mm, 2.8mm, 4.8mm
Finish Line 4mm, 5mm, 6mm



See Finish Line and Spyderline (page 14) for available colors

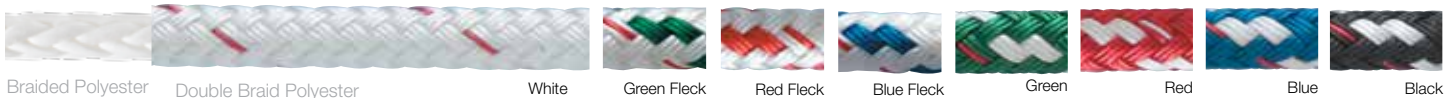
FOR THE ADVENTURE SAILOR

PERFORMANCE CRUISING



STA-SET

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm



PROVEN PERFORMANCE DOUBLE BRAID.

The #1 double braid in America; a strong, flexible, and long wearing line.

BENEFITS: High strength, low stretch, extremely durable, yet still remains soft over time. Easy to handle and splice.

APPLICATIONS: A true multi-purpose line used for sheets and controls on a wide range of boats from 420s and Flying Scots to keelboats. The ideal line for collegiate programs and sailing school looking for a high quality line with superior durability and dependability. Perfect for mainsheets, jib sheets, and control lines.

	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	1,400	2,350	3,850	5,100	7,000	10,100	11,700	16,900	23,500
Weight	1.1	2.0	3.1	4.3	6.0	7.8	10.1	11.9	17.0

The tensile strengths for the solid color versions of sta-set is approximately 5% less than the white version.

STA-SET X

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm



A HIGH STRENGTH, LOW STRETCH LINE.

with a patented parallel fiber core and a braided cover made from a blend of spun and filament polyester.

BENEFITS: The strongest and lowest stretch polyester line available. Excellent value - an ideal replacement for wire halyards.

APPLICATIONS: On cruising boats, use for halyards, spinnakers, and guys.

	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	1,900	2,800	4,400	5,300	7,700	9,700	13,200	14,500	21,600
Weight	1.3	2.2	3.4	4.5	6.1	8.4	9.5	11.8	17.7

REGATTA BRAID

Sizes: 6mm, 8mm, 10mm, 11mm, 12mm, 16mm



FLEXIBLE AND EASY TO HANDLE.

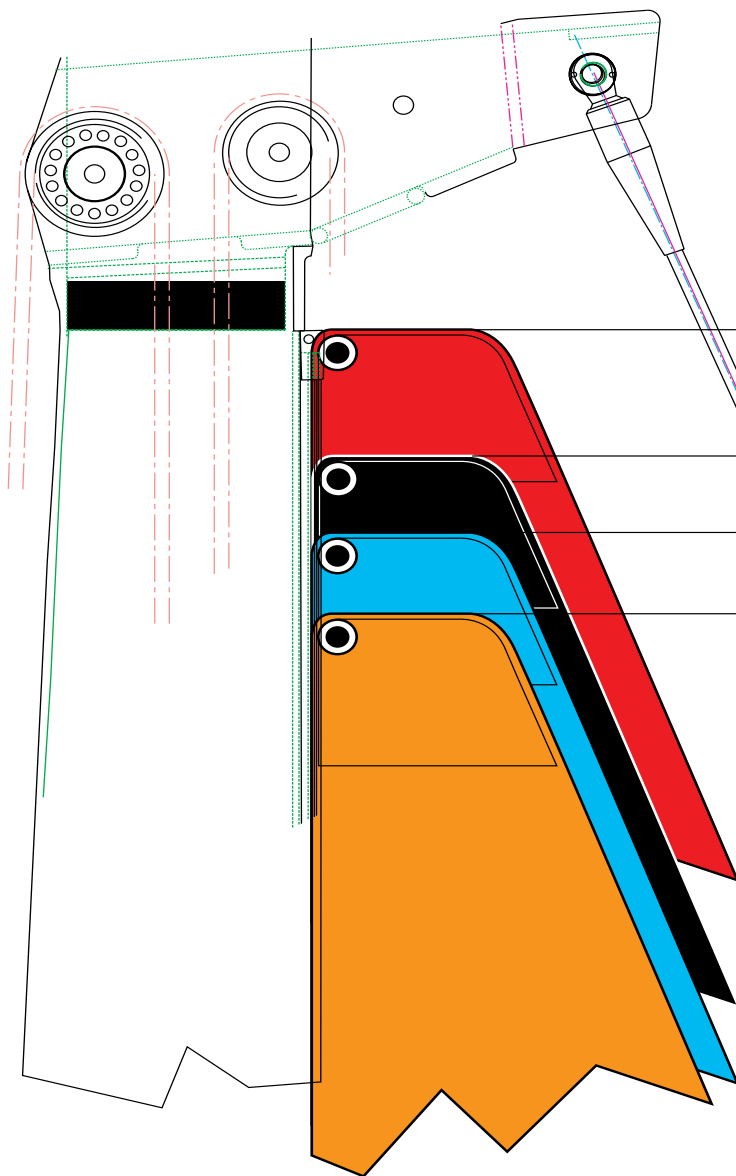
A 12-strand single braid made from spun and filament polyester.

APPLICATIONS: Mainsheets and furling lines.

BENEFITS: A soft and supple, easy-to-handle line that runs freely and does not kink.

	6mm	8mm	10mm	11mm	12mm	16mm
Tensile	2,550	3,300	4,800	6,500	8,000	12,400
Weight	2.2	3.0	4.0	6.3	7.0	10.3

LINE STRETCH IN THE REAL WORLD



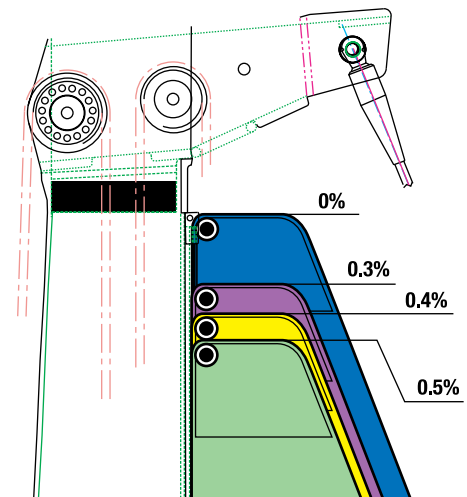
All line stretch data compiled from tests using 8mm rope.
(Illustration not drawn to scale)

% Stretch
up to
0.5%

0.8%

1.3%

1.8%



LEGEND (30° of 8mm line at 500 lbs. of load)

■ All High Techs (see inset)
 ■ VPC
 ■ Sta-Set X
 ■ Sta-Set
 ■ Pro PBO
 ■ Endura Braid
 ■ V-100
 ■ T-900

High Tech Lines (see inset)

FOR THE CLASSIC SAILOR

TRADITIONAL VESSELS

VINTAGE 3-STRAND

Sizes: 6mm, 8mm, 10mm, 11mm, 12mm, 16mm, 18mm, 24mm



3-Strand Spun



Natural

Noir

LOW STRETCH RUNNING RIGGING

available in a classic shade just perfect for the traditional vessel.

BENEFITS: Excellent abrasion resistance with low stretch and high strength. Easy to splice.

	6mm	8mm	10mm	11mm	12mm	16mm	18mm
Tensile	1,450	2,100	3,450	4,150	6,200	8,100	11,000
Weight	1.7	2.6	4.4	5.1	7.3	11.1	16.5

APPLICATIONS: On dinghies and traditional boats, use for halyards and control lines.

VINTAGE STA-SET

Sizes: 6mm, 8mm, 10mm, 12mm, 14mm



Braided Polyester

Double Braid Spun

Available in Natural Only

THE #1 DOUBLE BRAID IN AMERICA

now available in a traditional classic shade

BENEFITS: High strength, low stretch, extremely durable, yet still remains soft over time. Easy to handle and splice.

	6mm	8mm	10mm	12mm	14mm
Tensile	1,700	2,700	4,500	7,500	8,500
Weight	2.1	3.5	5.45	6.7	10.6

APPLICATIONS: Perfect for mainsheets, jib sheets, and control lines.

ENDURA CLASSIC

Sizes: 8mm, 10mm, 11mm, 12mm, 14mm



Dyneema®

24 carrier braided polyester

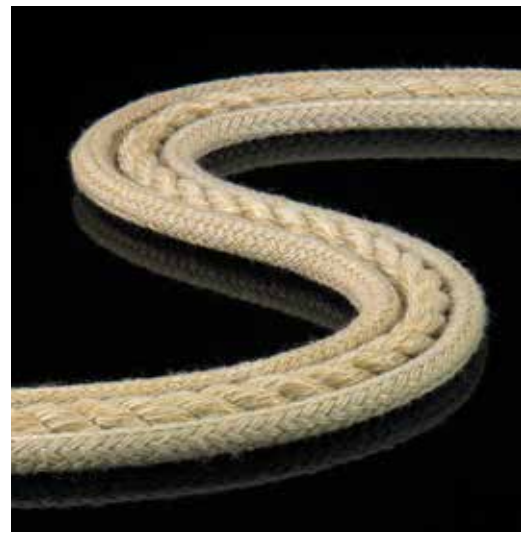
White and Beige

THE PERFECT COMPLIMENT FOR THE TRADITIONAL VESSEL.

Endura Classic has a specially engineered 12-strand Dyneema® core with Marine-Tech coating along with a 24 carrier braided polyester cover which is available in a classic color.

	8mm	11mm	12mm	13mm	14mm
Tensile	7,900	10,500	15,400	21,800	23,500
Weight	2.9	4.5	5.45	6.65	8.6

APPLICATIONS: All running rigging requiring a durable, low stretch, lightweight line, such as sheets, halyards, guys, topping lifts, reef lines, or low-stretch lines.



CLASSIC

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm



3-Strand Continuous Filament Polyester

White



Black

A TRADITIONAL LOW STRETCH RUNNING RIGGING.
Continuous filament 3-strand polyester rope.

BENEFITS: Excellent abrasion resistance with low stretch and high strength. Easy to splice.

APPLICATIONS: On dinghies and traditional boats, use for halyards and control lines.

	5mm	6mm	8mm	10mm	11mm	12mm	16mm	18mm	22mm	24mm
Tensile	1,090	2,150	2,650	4,400	5,700	7,500	11,600	14,650	18,500	25,450
Weight	1.1	2.0	2.9	4.8	5.9	8.0	11.6	16.0	22.8	29.7

SPUN CLASSIC

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm



3-Strand Spun and Filament Polyester

White

FOR A TRADITIONAL LOOK AND FEEL,
a conventional 3-strand spun polyester rope.

BENEFITS: A soft, free running rope that resists jamming and kinking.

APPLICATIONS: On classic boats and dinghies use for sheets, halyards, and control lines. Also use as sail maker's bolt rope.

	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm
Tensile	1,200	1,330	2,000	2,650	3,250	4,700	5,250	6,700	10,000
Weight	1.4	1.9	2.7	3.6	4.8	6.0	8.9	10.1	13.3

SPUN POLYPROPYLENE

Sizes: 5mm - 32mm



3-Strand XLF

Available in Natural Only

BRIDGES THE GAP BETWEEN MODERN CORDAGE AND TRADITIONAL APPEARANCE. Extremely Light Fibers make Spun Polypropylene long-lasting, abrasion-resistant, low-stretch, and resistant to water absorption.

BENEFITS: Its advantages in comparison to traditional cordage are low stretch, durability, resistance to abrasion, and lack of water absorption. It can be used for decorating purposes.

	8mm	10mm	12mm	14mm	16mm	18mm	20mm	22mm	24mm	28mm
Tensile	2,160	3,215	4,560	6,275	7,870	10,120	12,365	15,065	16,860	22,700
Weight	1.9	3.0	4.9	6.3	8.3	9.5	12.3	14.7	17.0	23.3

FOR LUXURY AND POWER SAIL

MEGA-YACHT RIGGING



ENDURA BRAID



Sizes: 14mm - 32mm



PERFORMANCE, STRENGTH, AND DURABILITY FOR THE COMPETITIVE SAILOR, ENDURA BRAID FEATURES a specially engineered 12-strand Dyneema® core, with Marine-Tech coating, and a 24 carrier braided polyester cover.

APPLICATIONS: All running rigging requiring a durable, low stretch, lightweight line, such as sheets, halyards, guys, topping lifts, reef lines, or low-stretch control lines.

BENEFITS: High strength, lightweight, very good flexibility.

	14mm	16mm	18mm	22mm	25mm	28mm
Tensile	25,200	29,000	40,000	53,900	70,000	96,000
Weight	8.6	11.8	15.8	20.9	27.1	34.4

T-900

Sizes: 14mm - 32mm



A LOW STRETCH AND LOW CREEP MAIN HALYARD, this product T-900 features our pioneering blend of Dyneema® and Technora® core with a durable polyester jacket

APPLICATIONS: Halyards and guys.

BENEFITS: A combination of high strength, low weight plus low creep. An excellent choice for static loads. A more economical option to V-100.

	14mm	16mm	18mm	20mm	22mm	24mm	26mm
Tensile	21,750	29,800	35,000	48,000	58,000	64,840	74,300
Weight	8.8	11.9	13.0	17.3	20.3	27.6	30.0

HTS-78



Sizes: 2mm - 36mm



Single braid Dyneema® SK78

VERY HIGH STRENGTH, LOW STRETCH, AND ULTRA LOW CREEP HTS-78 features 100% HMPE Fiber that is comprised of Dyneema® SK78 fiber. This 12-strand single braid is treated with our unique Marine-Tech coating for excellent abrasion and UV resistance. This ultra low creep line yields the highest levels of performance, time and again.

BENEFITS: Ultra high tensile, lightweight, low stretch, and it floats

APPLICATIONS: Cascade lines, halyards, wire rope replacement, cunninghams, and vang systems.

	2mm	3mm	4mm	5mm	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm	22mm
Tensile	1,000	2,800	4,300	6,050	9,700	14,500	18,800	24,000	34,300	42,000	58,000	69,000	97,500
Weight	0.15	0.45	0.62	1.19	1.7	2.3	3.4	4.0	5.9	6.9	9.1	13.8	18.8



MEGA YACHT-MOORING

Sizes: 25mm - 30mm



Dyneema®



Polyester



Navy

Black

NEW ENGLAND ROPES HAS PARTNERED WITH luxury yacht professionals worldwide to develop mooring lines that meet the precise demands of this discriminating market. These abrasion resistant, durable lines utilize patented STS technology that combines high strength and lightweight solutions that secure mega yacht vessels of virtually any size.

BENEFITS: High strength core with abrasion resistant cover, good flexibility, lightweight.

APPLICATIONS: Mooring lines, dock Lines, anchor lines

	24mm	28mm
Tensile	70,000	96,000
Weight	27.1	34.4

MEGA BRAID

Sizes: 16mm - 36mm



Single Braid: 12-Strand Nylon



White



Black

Navy

DOCK AND ANCHOR LINES FOR LARGER YACHTS. Mega Braid's unique 12-strand, single braid construction offers a combination of good looks, superb handling characteristics, excellent strength and controlled elongation.

BENEFITS: Flexible, easy to handle, resists kinking, easy to coil or flake. Available in 600' spools or custom spliced.

APPLICATIONS: Anchor and dock lines for boats over 40'.

	16mm	18mm	22mm	24mm	28mm	30mm	36mm
Tensile	10,300	13,400	21,100	24,900	34,900	41,000	48,000
Weight	10.0	14.0	17.2	26.0	34.0	36.0	55.5

POLY NYLON

Sizes: 16mm - 36mm



Double Braid: High-Grade Marine Nylon



White

Navy

THE USE OF A POLYESTER COVER OVER A NYLON CORE creates a rope with extremely high strength, abrasion resistance, durability, and good energy absorption.

APPLICATIONS: Mooring Lines, winch lines, commercial fishing lines.

	16mm	18mm	22mm	25mm	28mm	30mm
Tensile	15,000	20,900	30,980	35,340	53,250	63,820
Weight	11.1	15.9	22.6	30.5	37.5	45.0

DOUBLE BRAID NYLON

Sizes: 19mm - 76mm



Double Braid: High-Grade Marine Nylon



White

Black

STRONG DURABLE & EASY TO HANDLE: The combination of high-grade marine nylon, special torque balance construction, and a unique stabilization process produces a long wearing, easy-to-handle line.

BENEFITS: Superb handling and the largest assortment of colors.

APPLICATIONS: Dock lines, anchor lines, and mooring lines.

	16mm	18mm	22mm	22mm	25mm	28mm
Tensile	13,100	20,500	24,750	32,750	43,700	60,250
Weight	10.0	15.0	19.3	24.7	34.5	41.0

FOR VESSELS AT REST

ANCHOR AND DOCK LINE



PREMIUM 3-STRAND NYLON

Sizes: 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 18mm, 22mm, 25mm, 28mm



3-Strand High Grade Marine Nylon



Blue

White with tracer



Black

OUTSTANDING STRENGTH AND ABRASION RESISTANCE. A long-wearing, flexible and easy-to-handle rope that has greater strength and better abrasion resistance than all other 3-strand nylon lines.

BENEFITS: Highest tenacity nylon treated with our proprietary Marine Tech coating to increase wet strength and improve fiber-to-fiber abrasion.

APPLICATIONS: Dock lines, anchor lines, and mooring lines.

	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm	22mm	25mm	28mm
Tensile	2,100	3,000	4,250	6,000	7,500	8,800	11,650	17,150	22,300	27,700	35,800
Weight	1.6	2.4	3.5	4.6	6.3	8.0	9.6	13.7	18.7	24.3	31.1

DOUBLE BRAID NYLON

Sizes: 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, 14mm, 16mm, 18mm, 22mm, 25mm, 28mm, 30mm, 36mm



Double Braid: High-Grade Marine Nylon

White/Gold with tracer



White



Red with tracer



Blue with tracer



Teal with tracer



Hunter



Navy



Black

STRONG DURABLE AND EASY TO HANDLE. The combination of high-grade marine nylon, special torque balanced construction, and a unique stabilization process produces a long wearing, easy-to-handle line that resists kinking.

APPLICATIONS: Dock lines, anchor lines (available in white/gold only) and mooring lines.

BENEFITS: Superb handling and the largest assortment of colors on the market. Available by the spool or in packaged, factory-spliced dock and anchor lines.

	25mm	28mm	30mm	36mm	40mm	42mm	48mm
Tensile	32,750	43,700	60,250	77,550	90,000	102,000	131,000
Weight	24.7	34.5	41.0	55.7	69.4	80.8	100.5

DINGHY TOW ROPE

Sizes: 10mm, 11mm



Double Braid: Nylon Over Polypropylene

Yellow with Blue Fleck



Yellow with Red Fleck

BRIGHTLY COLORED FLOATING TOW LINE. A durable spliceable tow line that floats on the surface of the water for improved visibility.

APPLICATIONS: Dinghy tow rope or dinghy painter.

BENEFITS: Double braided rope of nylon over polypropylene that is torque free and non hocking. Braided design is easily spliced and easy to handle. Retains strength when wet or dry.

	10mm	11mm
Tensile	2,900	5,050
Weight	4.1	5.2



MEGA BRAID

Sizes: 16mm, 18mm, 22mm, 25mm, 28mm, 30mm, 36mm



Single Braid: 12-Strand Nylon



White



Black

Navy

DOCK AND ANCHOR LINES FOR LARGER YACHTS.

Mega Braid's unique 12-strand, single braid construction offers a combination of good looks, superb handling characteristics, excellent strength and controlled elongation.

BENEFITS: Flexible, easy to handle, resists kinking, easy to coil or flake. Available in 600' spools or custom spliced.

APPLICATIONS:

 Anchor and dock lines for boats over 40'.

	16mm	18mm	22mm	25mm	28mm	30mm	36mm
Tensile	10,300	13,400	21,100	24,900	34,900	41,000	48,000
Weight	9.9	14.0	17.2	26.0	34.0	36.0	55.5

MEGA BRAID II

Sizes: 12mm, 14mm, 16mm



Individually Braided 12-Strand Nylon



White

Black

DOCK AND ANCHOR LINES FOR BOATS TO 40'.

Most abrasion resistant 12-strand line on the market!

BENEFITS: Each of Mega Braid II's 12 strands are individually braided resulting in an extremely firm yet flexible rope that resists picking and chafing. This line offers excellent abrasion resistance, is ideal for docking usage and very easy to flake or coil. Available in 600' spools or as custom-spliced dock and anchor lines.

APPLICATIONS:

 Anchor and dock lines for boats under 40'.

	12mm	14mm	16mm
Tensile	6,500	8,500	10,000
Weight	6.2	7.3	9.8

MEGA PLAIT

Sizes: 12mm, 14mm, 16mm, 18mm



Tandem Braid High-Grade Marine Nylon

White

SPECIALLY DESIGNED ANCHOR LINE FOR USE IN POPULAR MECHANICAL WINDLASSES.

Mega Plait strikes a balance between a supple, firm, easy handling line that can be used in mechanical windlasses without abrading or fraying.

BENEFITS: Unique tandem braid design results in a cube-shaped rope that functions well in mechanical windlasses. Unique shape of the braid will not abrade or become frayed.

APPLICATIONS:

 Anchor lines (particularly for motorized windlasses).

	12mm	14mm	16mm	18mm
Tensile	8,000	9,500	11,000	15,000
Weight	6.2	8.0	9.3	14.0

OUR BEST SELECTION OF FABRICATED ITEMS AND ACCESSORIES

PACKAGED GOODS

PACKAGED GOODS



PROFESSIONALLY MANUFACTURED AND FINISHED BY NEW ENGLAND ROPES TRAINED ASSOCIATES, OUR PACKAGED GOODS SHIP TO YOU READY TO USE.

Made from our durable nylon double braid, 3-strand nylon, and poly/nylon double braid, these items which include premium docklines, anchor lines, and fender whips are ready to be used right when they arrive. Also, for a do-it-yourself project, order our Fid Kit with splicing guide and splice your very own custom goods.

SPLICING TOOLS AND INSTRUCTIONS



NEW ENGLAND ROPES UNIFID KIT INCLUDES ALL YOU NEED TO SPLICE YOUR VERY OWN CUSTOM GOODS AT HOME.

Our kits include detailed splicing instructions for a multitude of different splices, applications, and lines. New England Ropes also has a channel on YouTube that shows various splicing videos for further instruction.

NEW ENGLAND ROPES SELMA FID KIT CONSISTS OF A 5 PIECE NEEDLE SET AND INSTRUCTIONS TO DO YOUR OWN SPLICES

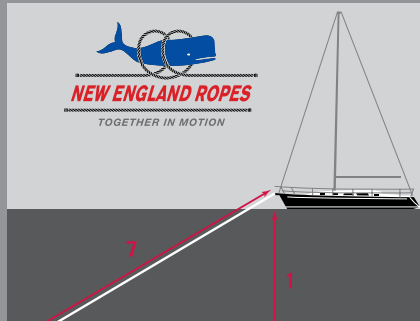
Selma fids are made from highly polished stainless steel and are patented worldwide. Splice hollow braids to three-strand ropes to double braid lines all with Selma fids.

WHAT SIZE AND HOW MUCH LINE?

The size, length and type of line will depend on a number of factors including the length, weight and type of boat. The following information is intended as a guide only. Docking in exposed waters, strong winds or tides may require larger or additional lines.

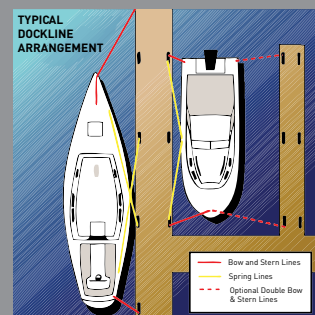
SIZE SELECTION TABLE

Boat Length	Dock Line	Anchor Line	Mooring Pendant
up to 20'	3/8"	3/8"	1/2"
20'-30'	1/2"	1/2"	5/8"
30'-35'	1/2"	1/2"	3/4"
35'-40'	1/2"	5/8"	7/8"
40'-45'	5/8"	3/4"	1"
45'-55'	5/8"	7/8"	1"
55'-65'	3/4"	1"	1 1/4"



HOW MUCH SCOPE?

Scope is the ratio of water depth to anchor line paid out. A scope of 7:1 will usually achieve appropriate holding power. In crowded anchorages a shorter scope may be required, and in stronger winds a longer scope is recommended.



TYPICAL DOCKLINE ARRANGEMENT

Fore & Aft Lines are usually $\frac{2}{3}$ of the length of the boat. SPRING LINES are usually equal to the length of the boat. The position of the cleats on your boat and dock may affect the length of the dock line.

MOORING PENDANTS



3-STRAND MOORING PENDANTS

Sizes: 16mm, 18mm, 25mm



3-Strand High-Grade Marine Nylon

White

GREATEST ELASTICITY MOORING PENDANT. 3-strand mooring pendants are manufactured from our Premium 3-Strand Nylon line. Each pendant has a factory-spliced heavy duty galvanized thimble on the buoy end and a 12" soft eye on the boat end. Optional Cordura® chafe sleeve may be applied to enhance abrasion resistance. New England Ropes recommends the use of a swivel placed at the buoy to help eliminate twisting of the rope which can cause hockels or rope to fall out of lay.



	16mm	18mm	25mm
Tensile	11,650	17,150	27,700
Weight	9.6	13.7	24.3

POLY/NYLON MOORING PENDANTS

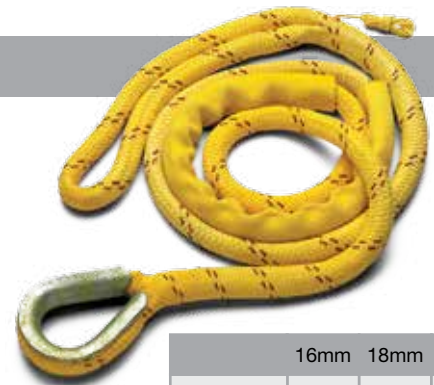
Sizes: 16mm, 18mm, 25mm



Nylon Core with Polyester Cover

Yellow

DURABLE, LONG WEARING MOORING PENDANT. Poly/Nylon mooring pendants combine the strength and elasticity of nylon in the core with tough, durable abrasion resistant polyester in the cover. Poly/Nylon mooring pendants come standard with a thick yellow-tinted marine-tech coating that improves abrasion resistance and enhances visibility. Each pendant has a factory-spliced heavy duty galvanized thimble on the buoy end and a professionally spliced soft eye on the boat end. Poly/Nylon mooring pendants have a durable Cordura® chafe sleeve.



	16mm	18mm	25mm
Tensile	15,000	20,900	35,340
Weight	11.1	15.9	30.5

CYCLONE PENDANT SYSTEM

Sizes: 12mm, 16mm, 18mm, 22mm, 24mm



12 strand Dyneema® with Cordura® Chafe Sleeve

Blue

THE ULTIMATE IN MOORING PENDANTS, made from our Endura 12 rope, which is comprised of Dyneema® fiber, resulting in a rope that is of extremely high tensile strength and ultra low elongation. The Cyclone Mooring Pendant floats, has an excellent strength-to-size ratio, excellent wet/dry retention, is easily spliced, and has a marine-tech coating which improves abrasion resistance. The Cyclone mooring pendant is used in conjunction with a traditional mooring pendant making it the ultimate in storm pendants.

APPLICATIONS: Mooring pendants



	12mm	16mm	18mm	22mm	24mm
Tensile	34,300	58,000	69,000	97,500	115,900
Weight	5.9	9.1	13.2	18.3	20.4

FOR SAILMAKERS / ALL-PURPOSE APPLICATION

CORDS AND ACCESSORIES



BRAIDED LUFFLINE

Sizes: 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm



100% Braided Polyester

White

STIFF, DURABLE, AND STRONG. 100% braided polyester.

BENEFITS: Very stiff polyester braid with internal market strands to identify luffline by size.

APPLICATIONS: Lufflines, sailboard harness loops, and foredeck netting.

	3mm	4mm	5mm	5.5mm	6mm	7mm	8mm	10mm	11mm
Tensile	370	750	1,050	1,275	1,500	1,800	2,350	2,675	3,500
Weight	0.47	0.81	1.19	1.76	2.2	2.4	3.3	4.5	6.0

T-100

Sizes: 2mm, 3mm, 4mm, 5mm, 6mm, 8mm



Braided Technora® Braided Polyester

White

STRONG, LOW-STRETCH, DURABLE CORD. 100% Technora® fiber core and a braided polyester cover. Very low stretch.

APPLICATIONS: Light-air spinnaker sheets, tie-downs for windsurfers and dinghies, and leech lines.

	2mm	3mm	4mm	5mm	6mm	8mm
Tensile	1,050	2,000	2,900	3,100	5,050	6,750
Weight	0.55	0.6	0.93	1.23	1.9	4.5

BRAIDED POLYESTER CORD

Sizes: 2mm, 3mm, 4mm



Continuous Filament Braided Polyester

White

Black

LIGHTLY BRAIDED POLYESTER LINE. Ideal for general purpose use such as flag halyards and tie-downs.

APPLICATIONS: Flag Halyards and tie-downs.

	2mm	3mm	4mm	5mm
Tensile	450	580	790	1140
Weight	0.3	0.5	0.7	1.0

SHOCK CORD

Sizes: 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm



Multi-plait: Polyester Cover with Polyester Rubber Core

Available in White, Black, Yellow, Red, & Blue

ONE OF THE HIGHEST QUALITY ROPES ON THE MARKET. Top quality rubber is used in our shock cord, which makes it compact, stable, and durable. The outer cover is made of extremely abrasion-resistant polyester. This rope is a favorite of sail manufacturers.

	3mm	4mm	5mm	6mm	7mm	8mm	10mm
Tensile	63	126	135	148	198	250	373
Weight	0.4	0.9	1.1	1.7	2.5	3.0	5.4

WHIPPING TWINE

Sizes: 0.5mm, 0.8mm, 1mm, 1.5mm



Polyester

WHIPPING TWINE - VERY EASY TO HANDLE Our waxed whipping twine is made of colored polyester and is particularly easy to handle and impresses users with the high quality of twisted PES twine.

	0.5mm	0.8mm	1mm	1.5mm
Meters	100	80	46	32

3-STRAND POLYPROPYLENE

Sizes: 5mm, 6mm, 8mm, 12mm, 16mm, 18mm



3-Strand Polypropylene

Yellow

LIGHTWEIGHT FLOATING ROPE FOR NON-CRITICAL USE:

3-strand polypropylene floats, has very little stretch, and is resistant to chemicals. Perfect for heaving lines, water-ski tow rope, life-ring lanyards, and quirts.

	5mm	6mm	8mm	10mm	11mm	12mm	16mm	18mm
Tensile	1,060	1,680	2,250	3,900	4,650	5,700	8,200	11,400
Weight	0.7	1.2	2.0	3.0	3.9	4.6	7.3	9.9

ROPE CARE SAFETY AND USAGE

Rope Care. We take great care in manufacturing the highest quality rope. A few guidelines about its general use will help you to increase the life of the rope and assist you in achieving the best performance from our products.

> **Abrasion and Sharp Edges**

Abrasion and sharp edges are a rope's worst enemy. Check your masthead, exit slots, blocks, windlasses or any other surface a rope may come in contact with to make sure there are no burrs or sharp edges. All cotter pins and split rings in turnbuckles and blocks should be taped.

> **Dirt and Cleaning**

Dirt and salt can cause premature wear. Frequently wash rope and running rigging with fresh water. For a thorough cleaning, soak your ropes in warm water with a mild detergent. Add a little fabric softener to make them soft. Rinse thoroughly and then hang them up to dry.

> **Sheave Diameter**

As a rule of thumb, the diameter of any sheave should be at least eight times the diameter of the rope (for 3/8" rope, use 3" sheave). The sheave groove should be a gentle curve, not a "V" or double groove (as used with wire rigging). The groove should also be approximately 10% wider than the rope.

> **Rope Longevity and Eliminating Twist**

The process of wrapping line around winches, windlasses and cleats puts a tremendous amount of twist into a rope. The twist makes the rope hard to handle and more prone to kinking or jamming in blocks. Severe twist will cause the rope to get out of round, resulting in faster wear and reduced strength. To eliminate twist, trail your rope behind the boat and let halyards hang free at both ends.

> **Safety**

Snapback: An extremely hazardous situation can be created if a rope parts under heavy loads. The rope will recoil (or "snap-back") at a high rate of speed. A person positioned in the rope's path could be seriously injured. It is the responsibility of the user

to know and understand the proper technique for the particular application and to take all necessary precautions.

Chemicals: Synthetic fibers have resistance to most chemicals. However, exposure to harsh chemicals, such as acids and alkalis, should be avoided.

Damage: Inspect all ropes frequently for signs of wear or damage. Retire any rope that is cut or abraded.

Sunlight: With time, all synthetic fibers will undergo degradation when exposed to sunlight. Polypropylene is more susceptible to UV degradation than other fibers.

> **Tensile Strength**

The tensile strength is the load at which a new rope, tested under laboratory conditions, can be expected to break. Rope strength shown in our literature is the approximate average for new rope tested under ASTM test method D-6268. To estimate the minimum tensile strength of a new rope, reduce the approximate average by 20%. Age, use and the type of termination used, such as knots, will lower tensile strengths significantly.

> **Working Loads**

The Cordage Institute specifies that the safe working load of a rope is determined by dividing the minimum tensile strength by the safety factor. Safety factors range from 5 to 12 for non-critical uses. The working load is a guideline for rope in good condition used in non-critical applications, and should be reduced where life, limb, or valuable property are involved, or where exceptional shock, sustained loading, severe vibration, etc. may be experienced.

CHOOSING THE CORRECT LINE

LINE SELECTION GUIDE

New England Ropes makes line selection easy:

1. Choose your application

e.g. (Main Halyard)

2. Choose type of sailing e.g. (Cruiser)

3. Select your boat size e.g. (35 ft.)

4. Match color code in recommended cell to product type on right. This will give you the best selection and diameter of line for given application.

To upgrade in any case, modify your selection in type of sailing category. In most cases, choosing a better performing line will substan-

tially lower the stretch and in most cases allow you to reduce diameter by 10-15%. The net result will be a line, which will have low stretch, is lightweight and will control sail shape more precisely.

1	APPLICATION	2	TYPE OF SAILING	3	BOAT SIZE IN FEET	15	20	25
MAINSHEET	CRUISING				8mm			10mm
	CLUB RACING				8mm			10mm
	GRAND PRIX RACING			6mm		8mm		
JIB SHEET	CRUISING			6mm		8mm		
	CLUB RACING			6mm		8mm		
	GRAND PRIX RACING			6mm		8mm		
SPIN SHEET	CRUISING			6mm			8mm	
	CLUB RACING			6mm			8mm	
	GRAND PRIX RACING			6mm				8mm
LIGHT AIR SPIN SHEETS	CRUISING			6mm				6mm
	CLUB RACING			6mm				6mm
	GRAND PRIX RACING					6mm		
TRAVELLER	CRUISING			6mm				8mm
	CLUB RACING			6mm				8mm
	GRAND PRIX RACING			6mm				8mm
AFTER GUY	CRUISING					Not Applicable		
	CLUB RACING					Not Applicable		
	GRAND PRIX RACING					Not Applicable		
MAIN HALYARD	CRUISING			6mm		8mm		
	CLUB RACING				6mm			8mm
	GRAND PRIX RACING					6mm		
JIB HALYARD	CRUISING			6mm		8mm		
	CLUB RACING					6mm		
	GRAND PRIX RACING					6mm		
SPIN HALYARD	CRUISING			6mm			8mm	
	CLUB RACING					6mm		
	GRAND PRIX RACING					6mm		
SPINNAKER TOPPING LIFT	CRUISING			5mm		6mm		
	CLUB RACING			5mm			6mm	
	GRAND PRIX RACING				6mm			
FORE GUY	CRUISING			5mm		6mm		
	CLUB RACING			5mm			6mm	
	GRAND PRIX RACING			5mm			6mm	



Photo By Leighton O'Connor

©Babac Card

REPLACE YOUR WIRE HALYARDS WITH ALL ROPE HALYARDS

Rope halyards are easier to handle and significantly lighter than wire halyards. Sta-Set X or VPC is an ideal replacement for wire halyards on cruising yachts. For race boats and large cruising yachts, use V-100 or T-900.

WIRE HALYARD REPLACEMENT GUIDE

7 x 19 Wire Size	1/8"	5/32"	3/16"	7/32"	1/4"
Sta-Set X & VPC Replacement Size	5/16"	3/8"	7/16"	1/2"	9/16"
V-100 and T-900 Replacement Size	6mm	6mm	8mm	10mm	12mm

30	35	40	45	50
	11mm		12mm	
	10mm		11mm	
	10mm		11mm	
10mm		11mm		12mm
	10mm		12mm	
10mm		11mm		12mm
	10mm		11mm	
		10mm		8mm
		10mm		11mm
		8mm		10mm
		8mm		10mm
			8mm	
			10mm	
			10mm	
			10mm	
	8mm	10mm	11mm	12mm
	8mm	10mm	11mm	12mm
	8mm	10mm	11mm	12mm
10mm		11mm		12mm
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8mm		10mm		11mm
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	8mm	10mm		11mm
	8mm	10mm		11mm
	8mm		8mm	10mm
6mm		8mm		10mm
		10mm		11mm
	8mm	8mm		10mm
		10mm		11mm
		8mm		10mm
		10mm		11mm
	8mm	8mm		10mm
			10mm	

4 COLOR CODING

- STA-SET
- STA-SET X
- REGATTA BRAID
- FLIGHT LINE
- ENDURA BRAID
- T-900
- V-100
- VPC
- SPYDERLINE



NEW ENGLAND ROPES MARINE PRODUCTS - PERFORMANCE TESTED

SPECIALTY

- New England Ropes designs and manufactures more types of rope than any other cordage manufacturer
- At TEUFELBERGER Group, we have been engineering cordage solutions for over 220 years

QUALITY

- All of our products begin with the highest quality raw materials
- We are rope specialists; we only manufacture rope
- Our products are rigorously inspected for quality compliance to meet or exceed expectations

RELIABILITY

- Reliable shipments
- Certified to ISO 9001:2008

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