



NEW ENGLAND ROPES

T-900

TECHNORA / SPECTRA® CORE

PRODUCT DESCRIPTION:

T-900 is a high performance double braided rope, consisting of a blended Spectra® and Technora® core contained within a braided polyester jacket. The blended core creates a rope that is superior to either a Spectra or a Technora core rope. Specifically, T-900 combines the extremely high strength, light weight, and abrasion resistance of Spectra, with the ultra low stretch of Technora. Coupled with the tough yet flexible polyester cover, T-900 is an ideal choice for very low stretch high strength applications.

Spectra is a registered trademark of Allied Signal Inc. Technora is a registered trademark of Teijin Ltd.

FEATURES:

- Twice as strong as a polyester double braid of similar size and weight
- 30% stronger than similar size Spectra core double braid
- Ultra low elongation
- Minimal creep
- Very little moisture absorption
- Excellent wet/dry strength retention
- Torque-free
- Renders well on winches
- Long service life
- Easy-to-Splice

APPLICATIONS:

INDUSTRIAL:

- Winch lines
- Stringing lines
- Underground pulling lines
- Positioning lines

YACHTING:

- Halyards
- Spinnaker guys
- Main & Genoa sheets



COMPLIMENTARY PRODUCTS

- Spect-Set II
- Spectwelve
- Sta-Set
- V-100
- PCRU



Parallel Core



Double Braid



Single Braid



Three Strand



Kernmantle

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www.neropes.com
Registered ISO 9001

Cordage Institute Member



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T-900 STRENGTH/WEIGHT

Diameter		Weight	Tensile
inch	mm	lbs./100 ft.	lbs.
1/4	6	2.4	4,400
5/16	8	3.5	7,300
3/8	9	4.2	10,000
-	10	5.5	11,800
7/16	11	6.7	14,300
1/2	12	8.0	17,000
9/16	14	10.8	23,100
5/8	16	14.0	30,200
3/4	18	16.0	37,500
13/16	20	18.0	50,000
7/8	22	22.0	60,000
-	24	26.0	70,000

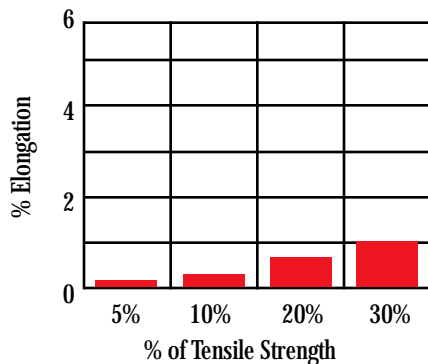
Compliance to the above specifications is based upon testing according to the Cordage Institute Standard Testing Methods for Fiber Rope and/or ASTM D-4268 Standard Methods of Testing Fiber Ropes.

Weights: Are average and may vary +/-5%.

Tensile strengths: Are approximate average for new, unused ropes.

To estimate the minimum tensile strength of a new rope, reduce the approximate average by 15% (Cordage Institute defines minimum tensile strength as two standard deviations below the average tensile strength of the rope).

WORKING ELONGATION



CHEMICALS:

Polyester has good resistance to most chemicals, except 95% sulfuric acid and strong alkalines at boil.

SUNLIGHT/UV:

Very little degradation from UV. Can be used outside over long term if inspected regularly.

HEAT:

Melting point of Polyester 480°F, progressive strength loss above 300°F; Spectra melting point 300°F, progressive strength loss above 150°F; Technora chars at 600°F.

DIELECTRICS:

Good resistance to the passage of electrical current. However dirt, surface contaminants, water entrapment and the like can significantly affect dielectric properties. Extreme caution should be exercised any time a rope is in the proximity of live circuits.

SHEAVES:

Recommended D/d ratio is 8:1

COATING:

Can be Urethane coated to improve abrasion resistance, UV resistance and to create a water barrier.

SPECIFIC GRAVITY:

1.28

COLOR:

White (red & blue tracer). Also available in Red, Green or Blue Fleck (red & blue tracer).

WORKING LOADS:

No blanket working load recommendation can be made because it depends on the application and conditions of use, especially potential danger to personnel. It is recommended that the user establish working loads and safety factors based on professional and experienced assessments of risks. The working load is a guideline for the use of a rope in good condition for non-critical applications and should be reduced where life, limb, or valuable property is involved, or exceptional service such as shock, sustained loading, severe vibration, etc. The Cordage Institute specifies that the Safe Working Load of a rope shall be determined by dividing the Minimum Tensile Strength by the Safety Factor. Safety factors range from 5 to 12 for non-critical uses, 15 for life lines.

$$SWL = \frac{\text{Minimum Break Strength}}{\text{Safety Factor}}$$

STANDARD LENGTH:

Available in standard 300 & 600 ft. lengths

SPlicing INSTRUCTIONS:

Core to Core Eye Splice

FABRICATION SERVICES:

Fabricated Units can be provided including splices, thimbles, integral chafe sleeves, etc. Contact Customer Service for details.

SERIES:

275, 276

Technical Assistance & Customer Service:

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