



**NEW ENGLAND ROPES**

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Fall River, MA 02720  
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tel 508.678.8200  
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Registered ISO 9001  
Cordage Institute Member

# DINGHY TOW ROPE

PLEASURE  
MARINE

## PRODUCT DESCRIPTION

Dinghy Tow Rope is a durable, spliceable line designed for use as a painter. The cover is strong, UV-resistant nylon in a highly-visible yellow while the core is 100% braided polypropylene. Dinghy Tow Rope is available in two diameters, is kink-resistant and flexible, and floats just under the surface of the water-significantly reducing the chances of the painter becoming tangled in a propeller.

## FEATURES

- Highly Visible Color
- Kink Resistant
- Floats
- Strong & Lightweight
- Easy to Splice

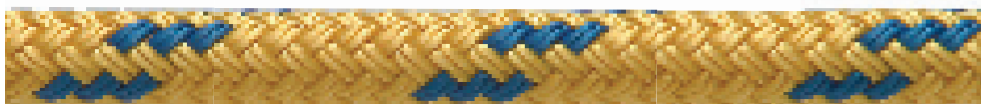
## APPLICATIONS

- Dinghy Tow Rope



## COMPLEMENTARY PRODUCTS

- 3-Strand Nylon
- Nylon Double Braid
- Mega Plait™
- Mega Braid™
- Fender Whips



Dinghy Tow Row - Blue

# DINGHY TOW ROPE

## SUNLIGHT/UV:

Very little degradation from UV, and can be used over long term if inspected regularly.

## CHEMICALS:

Nylon will degrade with strong oxidizing agents, mineral acids, and 90% formic acid. Nylon may discolor when exposed to high levels of carbon dioxide. Polypropylene has excellent resistance to most acids and alkalis, except chloro-sulphonics, concentrated sulfuric acids, and chlorinated hydrocarbons at 160°F. Polypropylene also withstands most diluted bleaching solutions.

## HEAT:

Nylon melts at 460°F with progressive strength loss above 300°F. Polypropylene melts at 330°F with progressive strength loss above 200°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. (\*Sheave diameter to rope diameter)

## WORKING LOADS:

No blanket safe working load (SWL) recommendations can be made for any line because SWL's must be calculated based on application, conditions of use, and potential danger to personnel among other considerations. It is recommended that the end user establish working loads and safety factors based on best practices established by the end user's industry; by professional judgment and personal experience; and after thorough assessment of all risks. The SWL 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 in cases of exceptional service such as shock loading, sustained loading, severe vibration, etc. The Cordage Institute specifies that the SWL of a rope shall be determined by dividing the Minimum Tensile Strength of the rope by a safety factor. The safety factor ranges from 5 to 12 for non-critical uses and is typically set at 15 for life lines.

## SPLICING INSTRUCTIONS:

Double Braid Eye Splice

## PART NUMBER SERIES:

2371 Series (Red) 2373 Series (Blue)

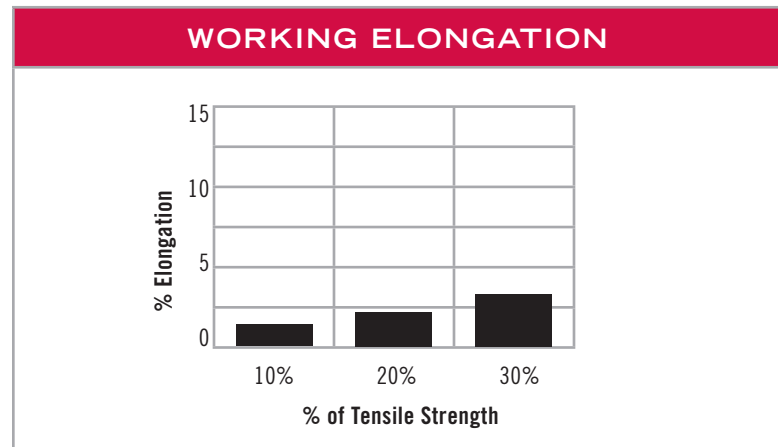
When placing an order for this product, please build your part number according to this formula: XXXX-YY-ZZZZ where:

XXXX = Part Number Series (found above)

YY = Diameter in 1/32 of an inch (e.g., "-16-" = 1/2")

ZZZZ = Length in Feet (e.g., "-00600" = 600')

STRENGTH/WEIGHT			
Diameter (inch)	Diameter (mm)	Weight (lbs./100 ft.)	Tensile (lbs.)
7/16"	11	5.4	5,000



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 approximate and may vary +/- 5%. Tensile strengths reported are approximate averages for new, unused ropes. To estimate the minimum tensile strength of a new rope, reduce the approximate average by 10%. (The Cordage Institute defines minimum tensile strength as two standard deviations below the average tensile strength of the rope.) Stretch data tested to CI 1500-02.



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