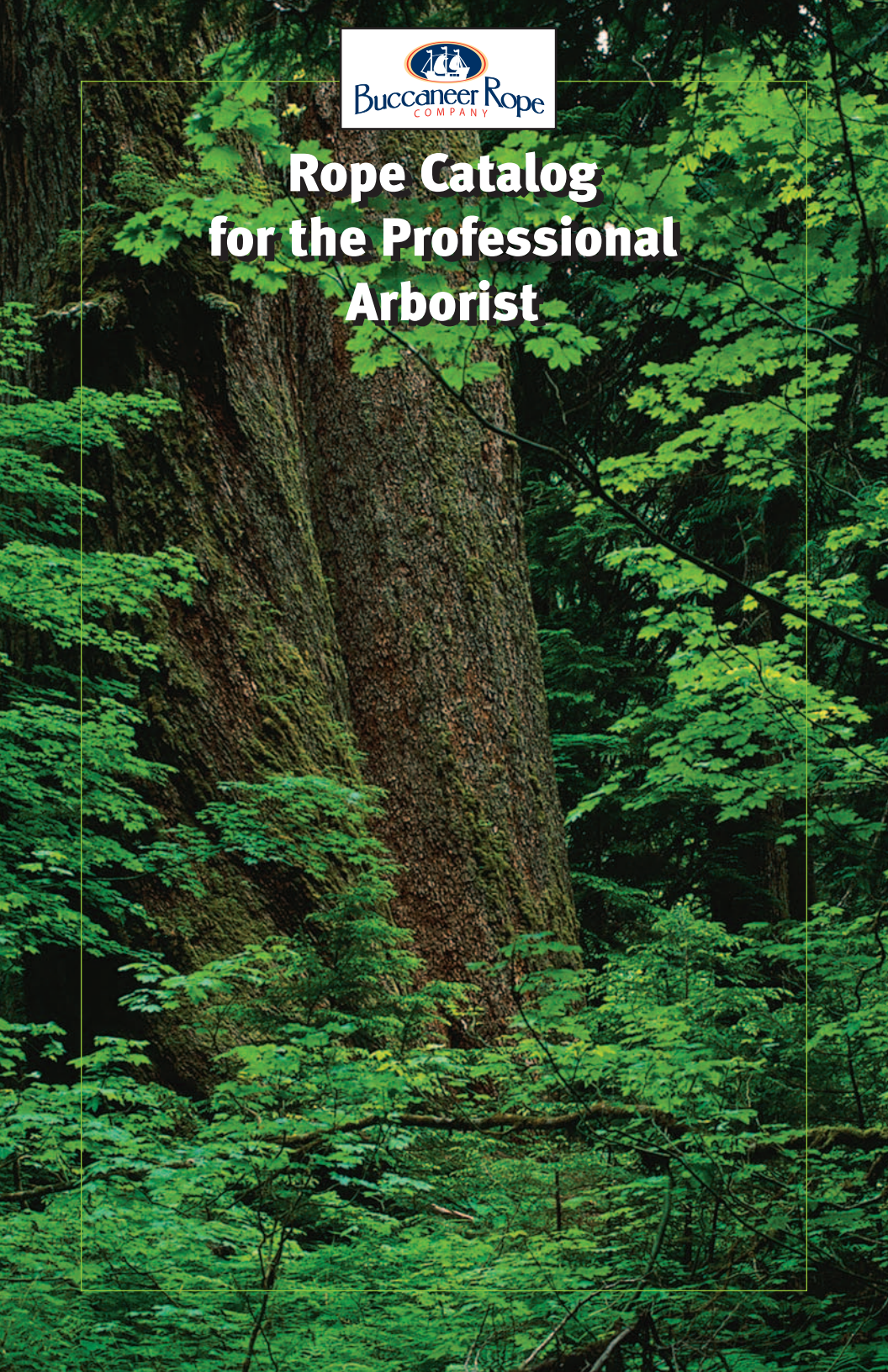
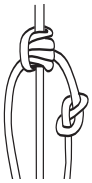

Buccaneer Rope
COMPANY
Rope Catalog
for the Professional
Arborist

16-Strand Arbor Boss

Arbor Boss is a 16-strand braided rope with a polyester cover and a nylon core. It is available in solid White or a bright Green, Yellow and White Strands. This rope remains firm yet flexible, holds knots such as Blake's Hitch very well and also makes an excellent split tail.

Cross Section of 16 Strand Rope



Blake's Hitch

Split Tail

Arbor Boss			
Diameter	Weight Per 100′	Tensile Strength	Working Load
1/2″	6.9	7,000 lbs.	700 lbs.
5/8″	10.8	10,000 lbs.	1,000 lbs.

Always tie yourself in!

16-Strand Arbor Boss :

Patriot and Blue Thunder

Arbor Boss is a 16-strand braided rope with a polyester cover and a nylon core. The Patriot rope comes in Red, White, and Blue Strands, while the Blue Thunder consist of Yellow and Blue Strands. This rope remains firm yet flexible, holds knots such as Blake's Hitch very well and also makes an excellent split tail.

Cross Section of Patriot, 16 Strand Rope

Cross Section of Blue Thunder, 16 Strand Rope

Blake's Hitch

Arbor Boss

Diameter	Weight Per 100′	Tensile Strength	Working Load
1/2″	6.9	7,000 lbs.	700 lbs.
5/8″	10.8	10,000 lbs.	1,000 lbs.

Always tie yourself in!

Twisted Polyester Ropes

Safety Orange is a 3-strand polyester twisted rope used for either climbing or a bull rope. This rope is run through a bath of orange urethane for identification and abrasion resistance. This improves the life of the rope about 1-1/2 times the normal life. This rope is also available in plain white without the urethane coating.

Cross Section of 3-strand polyester twisted rope

Figure 8 Knot

Twisted Polyester Ropes

Diameter	Weight Per 100′	Tensile Strength	Working Load
1/2″	8	6,400 lbs.	700 lbs.
5/8″	13	10,000 lbs.	1,000 lbs.
3/4″	17.5	12,500 lbs.	1,250 lbs.

High strength.
Low stretch.

Power Pull (Bull Rope)

Power Pull (Bull Rope) is a double braid polyester rope. It is coated with urethane for identification and abrasion resistance, which adds extra life to the rope. This rope is high strength and very low stretch. It is used for lowering limbs. This rope comes in yellow, blue, orange, or green. Each size is a different color for easier identification.

Power Pull (Bull Rope)				
Diameter	Weight Per 100′	Tensile Strength	Working Load	Color
1/2″	8	9,800 lbs.	980 lbs.	Yellow
9/16″	10.5	13,000 lbs.	1,300 lbs.	Blue
5/8″	13	16,600 lbs.	1,600 lbs.	Orange
3/4″	18	18,500 lbs.	1,850 lbs.	Green

Choose the right size rope for the right application.

Eye Slings

Eye Slings				
Diameter	Tensile Strength	Working Load	Color	Standard Lengths
1/2″	9,800 lbs.	980 lbs.	Yellow	8′,10′,12′,14′,16′, 20′
9/16″	13,000 lbs.	1,300 lbs.	Blue	″ ″ ″ ″ ″ ″ ″
5/8″	16,600 lbs.	1,660 lbs.	Orange	″ ″ ″ ″ ″ ″ ″
3/4″	18,500 lbs.	1,850 lbs.	Green	″ ″ ″ ″ ″ ″ ″

Specifying Rope Strength and Proper Usage

Tensile Strengths

The strengths listed in this literature are for new and unused rope tested in accordance with Cordage Institute test methods. Age, exposure to sunlight, chemicals, shock loads and terminations are all factors that will reduce tensile strengths. Because of the wide range of rope use, and changing rope conditions, it is impossible to cover all applications or to make overall recommendations as to working loads. Rope strengths will decrease as soon as a rope is put into use.

Specifying Working Loads

These loads are only specified for rope in good condition with correct splicing, under normal service conditions. Working loads are based on a percentage of the approximate breaking strength of new and unused rope. For the arborist, the working load percentage is 10% of published strengths. This is a normal working load abd does not cover shock loads or sustained loads. Where life, limb or valuable property are involved a lower working load must be used.

A higher working load may be selected only with expert knowledge, professional estimates of risk, and if the rope has been inspected and found to be in good condition. Also, the rope must not have been subject to dynamic loading, excessive use, high temperatures, or long periods under load.

Normal Working Loads

Specifying Normal working loads when rope has been subject to dynamic loading is not appropriate. Whenever a load is picked up, moved or swung or stopped, there is increased force due to dynamic loading.

In some cases, the force put on the rope maybe two, three, or more times the normal load. These dynamic effects are greater on a low elongation rope such as polyester than on a high elongation rope such as nylon, and greater on a short rope than on a long one. In such applications normal working loads as given do not apply.

Inspection

All climbing lines should be inspected daily for excessive wear. If unsure of the safety of the rope; it should be retired.

Storage

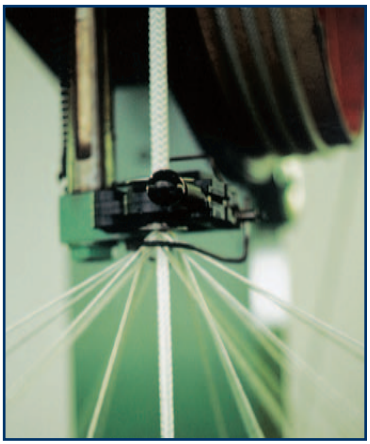
Store all rope clean, dry, and out of sunlight. Keep away from chemicals.

The Buccaneer Rope Affirmations

We wanted to produce the best arborist rope in the industry that would meet the demanding applications of the professional arborist. We decided it must work with standard and advanced rigging devices such as cam savers, ascenders, etc. It also should be able to withstand abuse of the demanding Arborist using proven climbing standards used for generations, the backbone of the arborist industry. This rope is one of the lightest arbor ropes per 100 feet and easily meets all arborist standards. We have gotten some feedback and help from some of the best arborist in the United States and around the world. We can offer a world class rope made for the arborist market.

All of our ropes are manufactured in our facility and are constantly inspected at every stage of the process from the beginning to the end product to insure the quality of the rope. Our policy is to never sell a product, which we would not personally use ourselves.

Buccaneer Rope guarantees that all of its ropes are free from manufacturing defects in workmanship and materials. We want you to get the most out of your rope, so there are a few rules to follow. It is the duty of the end user to know and use the proper rigging for each application. When the rope is used as lifeline it should be inspected regularly for wear. Only you can decide when to retire the rope.



Rope Braiding machine