

VORTEX

For those who wished that Velocity was just a little bit larger...

Samson's new Vortex climbing line is the answer

Samson's new Vortex climbing line offers everything that Velocity delivers but it's a full 1/2" (12.7mm) in diameter. The slightly larger diameter is easier to grip and it has the same great feeling of being broken in right out of the bag. Vortex has high strength, is light weight, has excellent knot holding capability, works well with hardware and is great for footlocking.

Vortex is available in HOT and COOL colors.

DIAMETER INCHES	WEIGHT PER 100 ft POUNDS	AVERAGE STRENGTH SPliced	WORKING LOAD SPliced
1/2"	7.6 lb	8,800 lb	880 lb

DIAMETER MM	WEIGHT PER 100 m KILOGRAMS	AVERAGE STRENGTH SPliced	WORKING LOAD SPliced
12.7 mm	11.3 kg	4,000 kg	400 kg

ELASTIC ELONGATION

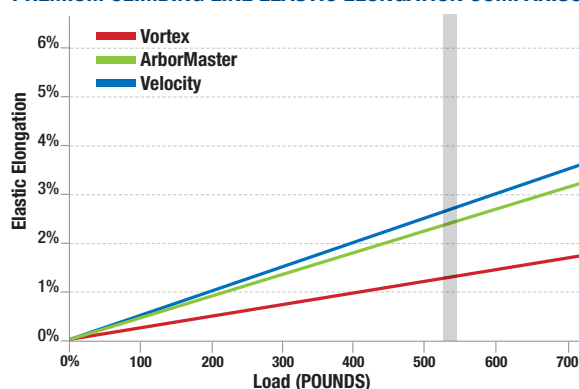
10%	20%	30%
3.00%	5.00%	6.00%

After 50 cycles at % of break strength.

Compared to ropes of similar size, Vortex will have 25%–30% lower elongation when used at the same load.

Vortex, Velocity, and ArborMaster® have the same elongation at 10%, 20%, and 30% of their break strength. However, when comparing one line to the other, consideration should be given to the average strength of each. For example, because Vortex has a considerably higher average strength, when the same load is applied, it will have 25–30% lower elongation than ArborMaster® and Velocity.

PREMIUM CLIMBING LINE ELASTIC ELONGATION COMPARISON



NSI Z133.1 1-2006 8.1.8 states "...Maximum working elongation shall not exceed 7 percent at a load of 540 pounds (2.402 kN)..." Samson's Vortex, Velocity, and ArborMaster® fall well below the maximum allowable elongation at a load of 540 pounds.

FEATURES & BENEFITS

- > Full 12.7 mm for easy handling
- > Lightweight and flexible
- > Excellent knot-holding capability
- > Works well with hardware
- > Great for footlocking

CONSTRUCTION Double Braid

COVER Polyester

CORE Nylon

SPLICING Class I Double Braid

STANDARD LENGTHS / WEIGHTS

120' Polybag	SPliced/UNSPliced	9.1 lb
150' Polybag	SPliced/UNSPliced	11.4 lb
200' Polybag	SPliced/UNSPliced	15.2 lb
600' Reel	UNSPliced	45.6 lb
1,200' Reel	UNSPliced	91.2 lb

PRODUCT CODE 352



samson

THE STRONGEST NAME IN ROPE

SamsonRope.com/Arborist