

WHY KERNMASTER

POLYESTER/NYLON CONSTRUCTION- (Polyester Sheath/ Nylon Core)

Provides a greater range of chemical resistance than the traditional Nylon/Nylon construction. It is unlikely to encounter a chemical that would affect both the cover and core.

STRENGTH- Exceptional tensile strength. 3225kg for 7/16” and 4,770kg for ½”
These ratings exceed most other manufacturers.

BRAIDED CORE- Core bends more easily with less fatiguing. This makes for better knotability, better control through mechanical ascent/ descent devices, as well as increased strength. Also in the event of a cover failure, the rope core will remain intact, allowing the user to ascend/ descend over the core to get back to a stable portion of the rope. Yale Kernmaster is the only life rescue line which uses the braided core technology.

STEAM STABILIZED CORE- The core is fully steamed stabilized which enhances the rope flexibility and prevents hardening during service.

PERFORMANCE- The ½” Yale Kernmaster is the only ½” Life rescue line that will operate effectively through a Petzl Gri-Gri, ID20-S, ID20-L, Petzl Stop Descender, Large rescue 8, Gold Tail/ Whale Tail, SRTE Stop Descender, and SRTE No Worries. Both the 7/16” and ½” versions of Kernmaster are “true” diameters. They will retain this diameter throughout their life and not expand or fluff out like many other brands. This ensures hardware compatibility throughout the ropes life cycle.

AVAILABLE LENGTH – Yale Kernmaster is available in continuous lengths of up to 730m ex stock , compared to 400m for Edelrid and 240m for Blue Water.

WATER RESISTANT: Having a Polyester cover Kernmaster sheds water far more readily than a traditional nylon/nylon construction. Also the drying time of the rope is dramatically reduced due to the polyester being non hydroscopic. An additional benefit is that there is no discernable strength reduction to the rope when wet. With full nylon/nylon ropes up to 20% strength reduction can be expected when the rope is wet.

Due to Kernmaster’s water shedding ability, it will not stiffen when wet, and still runs through mechanical devices with ease.



DIELECTRIC RATING: Independent testing has shown Kernmaster to have a better dielectric rating than that of competitor product.

LONGEVITY: Yale back a 10 year life expectancy for Kernmaster providing it is stored in a cool dry environment out of UV light. (Obviously once the rope is put into service this life expectancy is no longer guaranteed due to the great variance in field conditions).

Due to its unique construction Yale Kernmaster will not work harden during standard use and will retain a consistent diameter throughout its life ensuring a longer service life than competitor brands.

EXCLUSIVITY: Yale Kernmaster is made exclusively for Treetools New Zealand in the Bluetongue, Orange code Blue and Blue code Orange colours.

OBVIOUSLY LIFE EXPECTANCY AND PERFORMANCE ARE TIED IN GREATLY TO HOW THE ROPE IS USED, STORED AND CARED FOR. IT IS ALWAYS RECOMMENDED THAT THE MANUFACTURERS CARE AND HANDLING INSTRUCTIONS ARE ADHERED TO ENSURE MAXIMUM PERFORMANCE, RELIABILITY AND LIFE EXPECTANCY.

