



Tech Kern

Tech-Kern is a Kernmantle-style rope consisting of a braided Technora® Aramid core covered by a 48-strand Technora® mantle.

If you are familiar with our Kernmaster, you already know the advantages of a braided-core rappelling line. The Tech-Kern was designed to bring the highest heat resistance to the market.

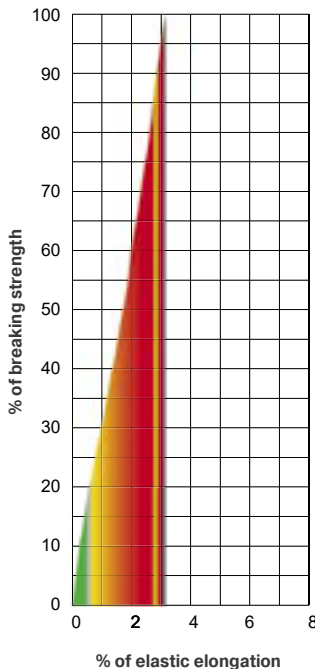
Technora® has a high melting point and acts as a heat sink when used with high-friction applications, as with descent devices. If heat is on your mind, consider Tech-Kern. is on your mind, consider Tech-Kern.

Specifications

Diameter Inches	Diameter mm	Weight Lbs/100ft	Weight Kg/100m	Average Spliced Break Strength* Lbs	Average Spliced Break Strength* Kg	Minimum Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
0.45	11.4	7.6	11.3	21,000	9,530	18,900	8,577	2,100	953

* Knots and abrupt bends significantly reduce the strength of all ropes and lower maximum working load.

** Working load is based on static or moderately dynamic lifting/pulling operations. Instantaneous changes in load, up or down, in excess or 10% of the rope's related working load constitute hazardous shock load and would void the normal working-load recommendation. Consult Yale Cordage for guidelines for working loads and the safe use of rope.



Energy Absorption

The colored area under the curve represents the rope's ability to do "work" and is expressed in foot-pounds per pound of rope in tension.

- Green working 233 ft. lbs./lb.
- Red ultimate 4,571 ft. lbs./lb.

Dielectric Strength: Due to their moisture gain, high-dielectric applications are not recommended.

Approved Splice Technique: #10018000.

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength

Specific Gravity: 1.44

