

Aracom Miniline

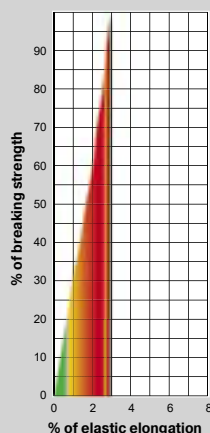
Double Braid



Aracom Miniline combines a low helix angle core of Technora® Aramid with a very tightly woven over-braid of thin polyester. Aracom Miniline provides the maximum strength-to-weight ratio in a composite Aramid polyester construction.

Aracom Miniline can also be ordered with fuzz fairing, which is highly effective at eliminating strum and reducing drag where application is either hydrodynamic or aerodynamic. Yale's faired ropes can be wound on a reel without any damage to the fairing or rope. Contact Yale for more details.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/16	420	460	470	0.2
3/32	800	880	890	0.4
1/8	1,500	1,700	1,700	0.8
5/32	2,200	2,400	2,500	1.0
3/16	3,700	4,100	4,200	1.7
1/4	5,600	6,200	6,300	2.5
5/16	7,500	8,300	8,400	3.3
3/8	12,000	13,500	13,500	4.2
7/16	15,500	17,000	17,500	6.7
1/2	19,500	21,500	22,000	8.0
9/16	27,000	30,000	30,000	10.6
5/8	32,000	35,500	36,000	12.0
3/4	50,000	55,000	56,000	21.0
7/8	70,000	77,000	78,000	25.9
1	84,000	93,000	94,000	33.9



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 100 ft. lbs./lb.

■ Red ultimate 4,906 ft. lbs./lb.

Dielectric Strength: Due to their moisture gain, high-dielectric applications are not recommended for Aracom T and Aracom Miniline.

Approved Splice Technique: #10015111.

■ Minimum Break Strength

Specific Gravity: 1.40

*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 of 10% of the rope's rated 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.