Aracom T

Aracom T is a double braid consisting of a Technora® Aramid core with a sleeve of high-tenacity polyester. Aracom T maintains a high degree of flexibility and is easily spliced.

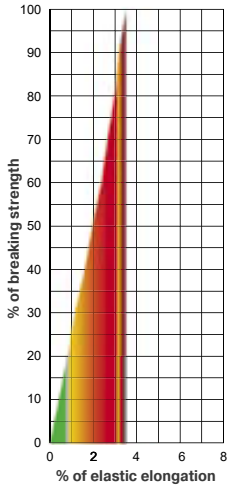
Yale's exclusive Aralube process infuses the Technora® with molten lubricant prior to entering our twisting equipment. Lab and field experience have shown that this added, internal permanent lubrication (nonsoluble) treatment leads to an extended wear life (as much as four times). It cuts down internal abrasion, reduces lament breakage in processing and helps us manage fiber tensions in the factory as we ply up a strand. The polyester sleeve is thicker than its sister product, Miniline, which gives it better protection in high-abrasion applications. The entire strength of racom T is derived from the core, and the sleeve's purpose is to protect the core from abrasion.

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 BreakStrength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
3/16	5	1.5	2.2	4,800	2,175	4,320	1,958	960	435
1/4	6	2.7	4.0	6,800	3,085	6,120	2,777	1,360	617
5/16	8	3.8	5.7	9,700	4,400	8,730	3,960	1,940	880
3/8	10	5.1	7.6	14,500	6,580	13,050	5,922	2,900	1,316
7/16	11	6.8	10.1	17,500	7,945	15,750	7,151	3,500	1,589
1/2	13	8.7	13.0	23,000	10,440	20,700	9,396	4,600	2,088
9/16	14	10.0	14.9	27,500	12,485	24,750	11,237	5,500	2,497
5/8	16	13.3	19.8	34,350	15,590	30,915	14,031	6,870	3,118
3/4	19	16.9	25.2	39,390	17,880	35,451	16,092	7,878	3,576
7/8	22	24.5	36.5	69,400	31,505	62,460	28,355	13,880	6,301
1	25	32.5	48.4	86,800	39,405	78,120	35,465	17,360	7,881
1 1/8	29	45.0	67.0	97,850	44,420	88,065	39,978	19,570	8,884
1 1/4	32	51.0	75.9	110,000	49,940	99,000	44,956	22,000	9,988

* 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.



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 157 ft. lbs./lb.
- Red ultimate 4,409 ft. lbs./lb.

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

Approved Splice Technique: #10018000, #10018007.

Maximum Working Load
Minimum Break Strength
Average Break Strength

Specific Gravity: 1.40