



## Aracom T

**Aracom T** is a double braid consisting of a Technora® Aramid core with a sleeve of high-tenacity polyester. 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 filament breakage in processing and

helps us manage fiber tensions in the factory as we ply up a strand. Aracom T maintains a high degree of flexibility and is easily spliced. The polyester sleeve is thicker than its sister product, Miniline, which gives it better protection in high-abrasion applications. The entire strength of Aracom T is derived from the core, and the sleeve's purpose is to protect the core from abrasion.

**Technora®**

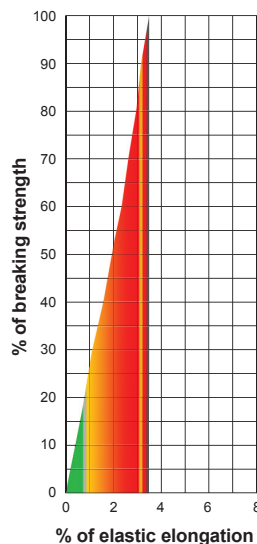
The power of Aramid

### Specifications

Diameter		Average Spliced Break Strength*		Minimum Spliced Break Strength*		Maximum** Working Load 5:1		Weight	
Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Lbs/100ft	Kg/100m
3/16	(5)	4,800	2,175	4,320	1,958	960	435	1.5	2.2
1/4	(6)	6,800	3,085	6,120	2,777	1,360	617	2.7	4.0
5/16	(8)	9,700	4,400	8,730	3,960	1,940	880	3.8	5.7
3/8	(10)	14,000	6,355	12,600	5,720	2,800	1,271	5.1	7.6
7/16	(11)	17,500	7,945	15,750	7,151	3,500	1,589	6.8	10.1
1/2	(13)	23,500	10,665	21,150	9,599	4,700	2,133	8.7	13.0
9/16	(14)	27,500	12,485	24,750	11,237	5,500	2,497	10.0	14.9
5/8	(16)	34,000	15,435	30,600	13,892	6,800	3,087	13.3	19.8
3/4	(19)	39,000	17,705	35,100	15,935	7,800	3,541	16.9	25.2
7/8	(22)	61,000	27,690	54,900	24,921	12,200	5,538	24.5	36.5
1	(25)	80,000	36,320	72,000	32,688	16,000	7,264	32.5	48.4
1-1/8	(29)	95,000	43,130	85,500	38,817	19,000	8,626	45.0	67.0
1-1/4	(32)	108,000	49,030	97,200	44,127	21,600	9,806	51.0	75.9

\* Knots and abrupt bends significantly reduce the strength of all ropes and lower the 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