

Hy-Dee Brait



Hy-Dee Brait is an 8-strand bi-polymer rope with extraordinary dielectric properties. The rope is nubby, which provides excellent grip, and treated with a proprietary chemical mixture Yale calls Aralube-dielectric.

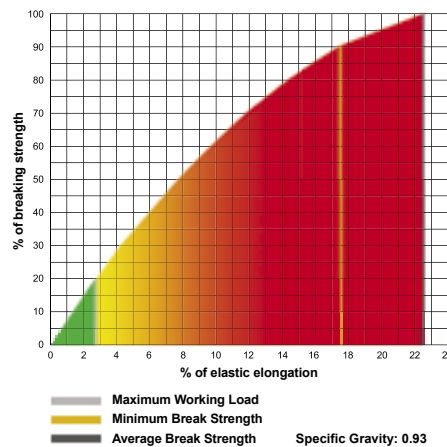
This treatment is the key to Hy-Dee Brait's wet dielectric performance and allows us to make the highest dielectric-strength rope commercially available. It is easy to splice with a tucking procedure or by the quick splice method.

This product is 100% lot tested for dielectric conformance.

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 8:1 Lbs	Maximum** Work Load 8:1 Kg
1/4	6	1.6	2.4	1,600	725	1,440	653	200	90
3/8	10	3.3	4.9	3,200	1,450	2,880	1,305	400	180
1/2	13	5.6	8.3	5,600	2,540	5,040	2,286	700	315
9/16	14	6.4	9.5	6,300	2,860	5,670	2,574	788	355
5/8	16	8.0	11.9	7,800	3,540	7,020	3,186	975	440
3/4	19	11.2	16.7	10,500	4,765	9,450	4,289	1,313	595
1 1/8	29	21.0	31.3	18,000	8,170	16,200	7,353	2,250	1,020

* 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.



Dielectric Strength: Hy-Dee Brait complies to ASTM specification F1701-12 that calls for a maximum leakage of 250 micro-amperes at any time during the wet test. Electrodes are 1 foot apart, shielded and the test is conducted at 50KV-AC.

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 116 ft. lbs./lb.
- Red ultimate 12,673 ft. lbs./lb.

Approved Splice Technique: #10018006, #10017302.