

Maxibraid

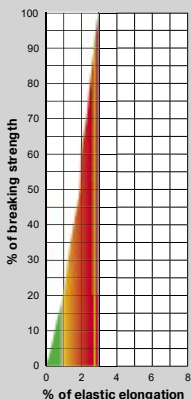
Single Braid



Maxibraid is a 12-strand single-braid rope constructed from High Modulus Polyethylene (HMPE) fiber. HMPE has the highest strength-to-weight ratio of any synthetic or natural fiber, and it floats. The integral Maxijacket High Performance coating firms the construction, increases wear life and helps keep contaminants out of the rope.

Maxibraid also has extremely low stretch and is laid firmer than Ultrex, sacrificing some tensile strength for longevity in tough field conditions. In many instances, we have found this firmer lay retains higher percentages of original breaking strength after use in the field for extended periods. Available in a variety of Maxijacket colors, which can help identify time in service, differentiate one rope from another or denote load ratings.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Weight (lb/100ft)
1/8	1,100	1,300	0.4
5/32	2,400	2,600	0.6
3/16	3,800	4,200	0.9
1/4	5,900	6,500	1.6
5/16	11,500	12,500	2.3
3/8	15,500	17,000	3.6
7/16	16,500	18,000	3.8
1/2	27,000	30,000	6.1
9/16	34,500	38,000	7.7
5/8	40,500	45,000	9.1
3/4	50,000	55,000	12.4
7/8	63,000	69,000	16.4
1	76,000	83,000	20.2



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 318 ft. lbs./lb.
- Red ultimate 8,300 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Mega Max is 75 micro-amperes when tested at 100kV per Yale Method 712-1701 Rev 1 "Routine Production Test." Absorbed and entrained moisture or impurities will increase rope's conductivity dramatically.

Approved Splice Technique: #10015106, #10018007.

Minimum Break Strength

Specific Gravity: 0.97

*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.