

Maxibraid Plus

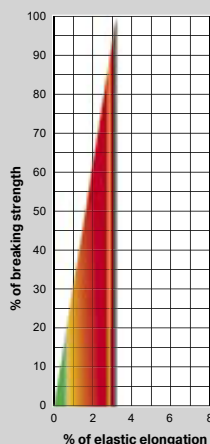
Double Braid



Maxibraid Plus is a double-braided rope constructed of an inner load-bearing core of High Modulus Polyethylene (HMPE). The polyester outer sleeve is slightly thicker than Ultrex Plus, which would provide more abrasion resistance in high-wear applications.

The HMPE core is coated with Yale's Maxijacket coating prior to being over-braided, for added toughness. Yale has developed a special splice for larger sizes (3/4 and larger), which incorporates a tucked core yet is covered as a conventional double braid. The advantage to this splice is no movement of the eye in service and a greatly shortened internal tail, making the rope more flexible and less prone to being damaged adjacent to the eye.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Weight (lb/100ft)
1/4	4,800	5,300	2.1
5/16	9,200	10,000	3.2
3/8	11,500	13,000	4.3
7/16	14,500	15,500	5.5
1/2	18,500	20,500	7.3
9/16	25,000	27,500	9.1
5/8	30,500	33,500	11.0
3/4	39,500	43,500	14.2
7/8	56,000	62,000	21.3
1	67,000	74,000	25.8
1-1/8	90,000	99,000	32.2
1-1/4	110,000	120,000	37.9



Energy Absorption

The colored area under the curve represents the rope's energy absorption capability.

- Green working 115 ft. lbs./lb.
- Red ultimate 4,295 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Maxibraid Plus is 100 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: 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.