



Maxibraid Plus

Maxibraid Plus is a double-braided rope constructed of an inner load-bearing core of Ultra High Molecular Weight Polyethylene UHMWPE fiber. The polyester outer sleeve is slightly thicker than Ultrax Plus, which will provide more abrasion resistance in high-wear applications. The UHMWPE core is coated with Yale's Maxijacket coating prior to being over-braided, for added toughness.

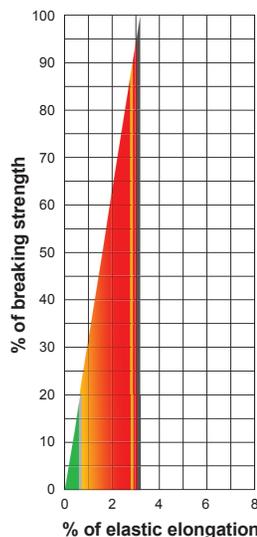
Yale has developed a special splice for larger sizes, which incorporates a tucked core yet is covered as a conventional double braid. The advantage to this splice is no movement of the eye in service and a greatly shortened internal tail, making the rope more flexible and less prone to being damaged adjacent to the eye.

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
1/4	(6)	5,400	2,450	4,860	2,205	1,080	490	2.4	3.6
5/16	(8)	9,300	4,220	8,370	3,798	1,860	844	3.1	4.6
3/8	(10)	12,500	5,675	11,250	5,108	2,500	1,135	4.0	6.0
7/16	(11)	15,000	6,810	13,500	6,129	3,000	1,362	5.6	8.3
1/2	(13)	21,000	9,530	18,900	8,577	4,200	1,906	7.3	10.9
9/16	(14)	28,000	12,710	25,200	11,439	5,600	2,542	9.0	13.4
5/8	(16)	34,000	15,435	30,600	13,892	6,800	3,087	11.6	17.3
3/4	(19)	44,000	19,975	39,600	17,978	8,800	3,995	14.5	21.6
13/16	(21)	48,000	21,790	43,200	19,611	9,600	4,358	17.3	25.8
7/8	(22)	63,000	28,600	56,700	25,740	12,600	5,720	22.8	34.0
1	(25)	75,000	34,050	67,500	30,645	15,000	6,810	27.5	41.0
1-1/8	(29)	100,000	45,400	90,000	40,860	20,000	9,080	35.8	53.3
1-1/4	(32)	112,000	50,845	100,800	45,761	22,400	10,169	38.2	56.9
1-5/16	(33)	123,000	55,840	110,700	50,256	24,600	11,168	45.7	68.1
1-1/2	(38)	160,000	72,640	144,000	65,376	32,000	14,528	55.5	82.6
1-5/8	(41)	170,000	77,180	153,000	69,462	34,000	15,436	71.7	106.8
1-3/4	(44)	214,000	97,155	192,600	87,440	42,800	19,431	85.6	127.5

* 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 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.

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength

Specific Gravity: 1.18