

Maxibraid

Maxibraid is a 12-strand single-braid rope constructed from Ultra High Molecular Weight Polyethylene UHMWPE fiber. UHMWPE 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

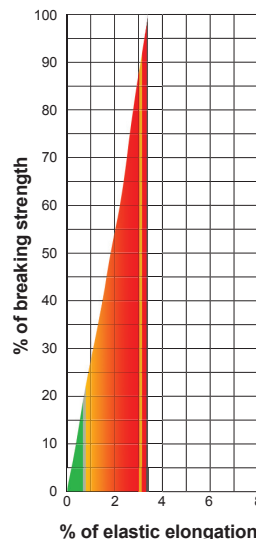
some tensile strength for longevity in tough field conditions. In many instances, we have found this firmer lay retains higher percentages of original breaking strength after use in the field for extended periods. Available in a variety of Maxijacket colors, which can help identify time in service, differentiate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

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
1/8	(3)	1,800	815	1,620	734	360	163	0.4	0.6
5/32	(4)	2,700	1,225	2,430	1,103	540	245	0.7	1.0
3/16	(5)	4,300	1,950	3,870	1,755	860	390	1.0	1.5
1/4	(6)	6,600	2,995	5,940	2,696	1,320	599	1.5	2.2
5/16	(8)	9,800	4,445	8,820	4,001	1,960	889	2.4	3.6
3/8	(10)	14,300	6,490	12,870	5,841	2,860	1,298	3.5	5.2
7/16	(11)	18,000	8,170	16,200	7,353	3,600	1,634	4.0	6.0
1/2	(13)	26,500	12,030	23,850	10,827	5,300	2,406	6.5	9.7
9/16	(14)	32,000	14,525	28,800	13,073	6,400	2,905	7.5	11.2
5/8	(16)	39,500	17,930	35,550	16,137	7,900	3,586	9.2	13.7
3/4	(19)	49,000	22,245	44,100	20,021	9,800	4,449	12.7	18.9
7/8	(22)	69,000	31,325	62,100	28,193	13,800	6,265	17.2	25.6
1	(25)	82,000	37,225	73,800	33,503	16,400	7,445	21.0	31.3
1-1/8	(29)	108,000	49,030	97,200	44,127	21,600	9,806	26.5	39.5
1-1/4	(32)	120,000	54,480	108,000	49,032	24,000	10,896	34.7	51.7
1-5/16	(33)	130,000	59,020	117,000	53,118	26,000	11,804	39.5	58.8
1-1/2	(38)	156,000	70,820	140,400	63,738	31,200	14,164	45.5	67.8
1-3/4	(44)	230,000	104,420	207,000	93,978	46,000	20,884	70.0	104.2
2	(51)	250,000	113,500	225,000	102,150	50,000	22,700	80.0	119.1

* 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.



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 226 ft. lbs./lb.

■ Red ultimate 6,342 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Maxibraid 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: #10015109, #10018009.

Maximum Working Load
Minimum Break Strength
Average Break Strength

Specific Gravity: 0.97