

Maxibraid



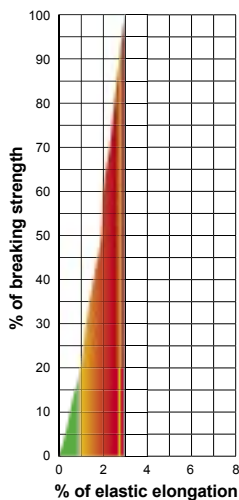
Maxibraid is a 12-strand single-braid rope constructed from Ultra High Molecular Weight Polyethylene UHMWPE fiber. UHMWPE has the highest strength-to-weight ratio of any synthetic or natural fiber, and it floats. The integral Maxijacket High Performance coating firms the construction, increases wear 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.

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 5:1 Lbs	Maximum** Work Load 5:1 Kg
1/8	3	0.4	0.6	1,800	815	1,620	734	360	163
5/32	4	0.6	0.9	2,700	1,225	2,430	1,103	540	245
3/16	5	0.9	1.3	4,300	1,950	3,870	1,755	860	390
1/4	6	1.6	2.4	6,600	2,995	5,940	2,696	1,320	599
5/16	8	2.3	3.4	13,000	5,900	11,700	5,310	2,600	1,180
3/8	10	3.6	5.3	17,350	7,875	15,615	7,088	3,470	1,575
7/16	11	3.8	5.6	18,560	8,425	16,704	7,583	3,712	1,685
1/2	13	6.1	9.1	30,350	13,775	27,315	12,398	6,070	2,755
9/16	14	7.7	11.5	38,750	17,590	34,875	15,831	7,750	3,518
5/8	16	9.1	13.5	45,540	20,675	40,986	18,608	9,108	4,135
3/4	19	12.4	18.5	55,770	25,315	50,193	22,784	11,154	5,063
7/8	22	16.4	24.5	70,540	32,025	63,486	28,823	14,108	6,405
1	25	20.2	30.0	84,750	38,475	76,275	34,628	16,950	7,695
1 1/8	29	26.5	39.5	108,000	49,030	97,200	44,127	21,600	9,806
1 1/4	32	34.7	51.7	120,000	54,480	108,000	49,032	24,000	10,896
1 5/16	33	39.5	58.8	130,000	59,020	117,000	53,118	26,000	11,804
1 1/2	38	45.5	67.8	156,000	70,820	140,400	63,738	31,200	14,164
1 3/4	44	70.0	104.2	230,000	104,420	207,000	93,978	46,000	20,884
2	51	80.0	119.1	250,000	113,500	225,000	102,150	50,000	22,700

* 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 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.

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

Specific Gravity: 0.97