

# Maxibraid Plus



## Maxibraid Plus

**Maxibraid Plus** is a double-braided rope constructed of an inner load-bearing core of Honeywell Spectra®. The polyester outer sleeve is slightly thicker than Ultrex Plus, which would provide more abrasion resistance in high-wear applications. The Spectra® 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.

**Honeywell Spectra® Fiber**

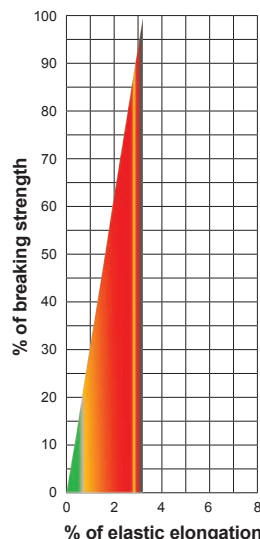
### Specifications

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)	6,000	2,720	5,400	2,448	1,200	544	2.4	3.6
5/16	(8)	8,500	3,855	7,650	3,470	1,700	771	2.9	4.3
3/8	(10)	11,000	4,990	9,900	4,491	2,200	998	3.8	5.7
7/16	(11)	15,000	6,810	13,500	6,129	3,000	1,362	5.4	8.0
1/2	(13)	20,000	9,080	18,000	8,172	4,000	1,816	7.3	10.9
9/16	(14)	22,000	9,985	19,800	8,987	4,400	1,997	8.7	13.0
5/8	(16)	27,000	12,255	24,300	11,030	5,400	2,451	12.4	18.5
3/4	(19)	35,000	15,890	31,500	14,301	7,000	3,178	15.0	22.3
13/16	(21)	40,000	18,160	36,000	16,344	8,000	3,632	17.3	25.8
7/8	(22)	50,000	22,700	45,000	20,430	10,000	4,540	23.2	34.5
1	(25)	60,000	27,240	54,000	24,516	12,000	5,448	28.2	42.0
1-1/8	(29)	73,000	33,140	65,700	29,826	14,600	6,628	33.9	50.5
1-1/4	(32)	84,000	38,135	75,600	34,322	16,800	7,627	39.9	59.4
1-5/16	(33)	100,000	45,400	90,000	40,860	20,000	9,080	45.7	68.1
1-1/2	(38)	118,000	53,570	106,200	48,213	23,600	10,714	58.0	86.4
1-5/8	(41)	142,000	64,465	127,800	58,019	28,400	12,893	71.7	106.8
1-3/4	(44)	167,500	76,045	150,750	68,441	33,500	15,209	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.

Strength increases coming summer 2017. Check our website for the most up-to-date information.



### 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