



Portland Braid

Portland Braid double-braided polyester offers high value at a very competitive price. Built in the same manner as our Double Esterlon, Portland Braid offers consistent performance at an economical price.

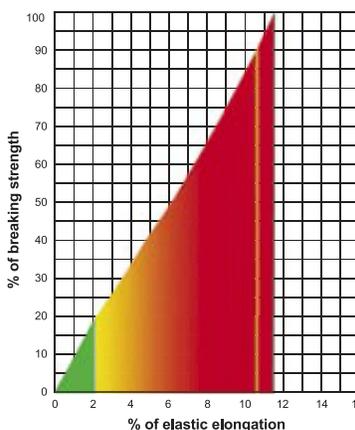
The fiber used to produce Portland Braid is sourced from Yale's qualified suppliers. Portland Braid can be special ordered in ultra-long continuous lengths. We also offer our optional Maxijacket urethane coating to further enhance the rope's wear resistance.

Specifications

Diameter Inches	Diameter mm	Weight Lbs/100ft	Weight Kg/100m	Minimum Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Kg	Minimum Unspliced Break Strength* Lbs	Minimum Unspliced Break Strength* Kg
1/4	6	2.0	3.0	1,700	770	1,870	847
5/16	8	3.0	4.5	2,800	1,270	3,080	1,397
3/8	10	4.2	6.3	4,300	1,950	4,730	2,145
7/16	11	5.7	8.5	6,200	2,810	6,820	3,091
1/2	13	7.8	11.6	8,300	3,760	9,130	4,136
9/16	14	10.0	14.9	10,000	4,540	11,000	4,994
5/8	16	13.0	19.4	13,500	6,120	14,850	6,732
3/4	19	16.1	24.0	17,000	7,710	18,700	8,481
7/8	22	24.6	36.7	26,000	11,790	28,600	12,969
1	25	32.8	48.9	35,500	16,100	39,050	17,710
1 1/8	29	44.9	66.9	43,500	19,730	47,850	21,703
1 1/4	32	50.2	74.8	52,000	23,580	57,200	25,938
1 1/2	38	68.0	101.3	68,000	30,840	74,800	33,924
1 3/4	44	102.0	152.0	88,000	39,910	96,800	43,901
2	51	129.0	192.2	110,000	49,890	121,000	54,879
2 1/8	54	149.0	222.0	130,000	58,960	143,000	64,856
2 1/4	57	170.0	253.3	150,000	68,030	165,000	74,833
2 1/2	64	204.6	304.0	200,000	90,700	220,000	99,770

* 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 265 ft. lbs./lb.
- Red ultimate 5,929 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Portland Braid 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: #10017200.

- Maximum Working Load
 - Minimum Break Strength
 - Average Break Strength
- Specific Gravity: 1.38