



## 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. Fiber used to produce Portland Braid is

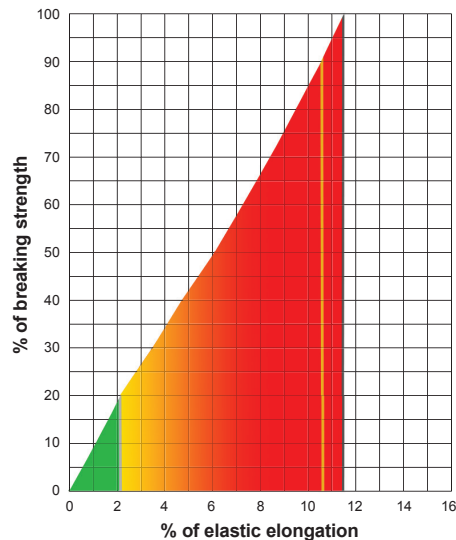
sourced from Yale's preferred suppliers. Portland Braid can be special ordered in ultra-long continuous lengths. We also offer our optional Maxijacket urethane coating to further enhance the rope's wear resistance.

### Specifications

Diameter		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)	2,300	1,040	2,070	936	460	208	2.2	3.3
5/16	(8)	3,600	1,630	3,240	1,467	720	326	3.5	5.2
3/8	(10)	4,900	2,220	4,410	1,998	980	444	5.0	7.4
7/16	(11)	6,600	2,995	5,940	2,696	1,320	599	6.3	9.4
1/2	(13)	10,000	4,540	9,000	4,086	2,000	908	7.9	11.8
9/16	(14)	11,100	5,035	9,990	4,532	2,220	1,007	10.0	14.9
5/8	(16)	14,900	6,760	13,410	6,084	2,980	1,352	13.0	19.4
3/4	(19)	18,000	8,170	16,200	7,353	3,600	1,634	16.4	24.4
7/8	(22)	29,450	13,370	26,505	12,033	5,890	2,674	27.1	40.4
1	(25)	38,400	17,430	34,560	15,687	7,680	3,486	36.6	54.5
1-1/8	(29)	45,000	20,430	40,500	18,387	9,000	4,086	43.5	64.8
1-1/4	(32)	52,000	23,605	46,800	21,245	10,400	4,721	54.0	80.4
1-1/2	(38)	67,000	30,415	60,300	27,374	13,400	6,083	69.2	103.0
1-3/4	(44)	95,000	43,130	85,500	38,817	19,000	8,626	103.0	153.4
2	(51)	124,000	56,295	111,600	50,666	24,800	11,295	132.0	196.6
2-1/4	(57)	150,000	68,100	135,000	61,290	30,000	13,620	155.0	230.8
2-1/2	(64)	168,200	76,360	151,380	68,724	33,640	15,272	172.6	257.0
2-5/8	(67)	210,000	95,340	189,000	85,806	42,000	19,068	220.0	327.6

\* Knots and abrupt bends can 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 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