

# Portland Braid



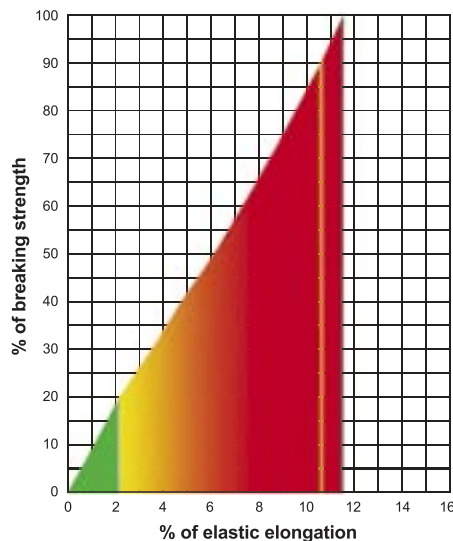
Portland Braid double-braided polyester offers high value at a very competitive price. Built in the same manner as our Double Esterlon, Portland Braid offers consistent performance at an economical price.

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.

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
1/4	6	2.2	3.3	2,440	1,105	2,196	995	488	221
5/16	8	3.5	5.2	3,740	1,695	3,366	1,526	748	339
3/8	10	5.0	7.4	4,990	2,265	4,491	2,039	998	453
7/16	11	6.3	9.4	7,270	3,300	6,543	2,970	1,454	660
1/2	13	7.9	11.8	10,000	4,540	9,000	4,086	2,000	908
9/16	14	10.0	14.9	12,450	5,650	11,205	5,085	2,490	1,130
5/8	16	13.0	19.4	15,180	6,890	13,662	6,201	3,036	1,378
3/4	19	16.4	24.4	18,900	8,580	17,010	7,722	3,780	1,716
7/8	22	27.1	40.4	31,050	14,095	27,945	12,686	6,210	2,819
1	25	36.6	54.5	40,320	18,305	36,288	16,475	8,064	3,661
1 1/8	29	43.5	64.8	52,360	23,770	47,124	21,393	10,472	4,754
1 1/4	32	54.0	80.4	54,600	24,785	49,140	22,307	10,920	4,957
1 1/2	38	69.2	103.0	67,670	30,720	60,903	27,648	13,534	6,144
1 3/4	44	103.0	153.4	96,000	43,580	86,400	39,222	19,200	8,716
2	51	132.0	196.6	125,240	56,855	112,716	51,170	25,048	11,371
2 1/4	57	155.0	230.8	150,000	68,100	135,000	61,290	30,000	13,620
2 1/2	64	172.6	257.0	168,200	76,360	151,380	68,724	33,640	15,272
2 5/8	67	220.0	327.6	210,000	95,340	189,000	85,806	42,000	19,068

\* 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 or 10% of the rope's related 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