

# Portland Braid

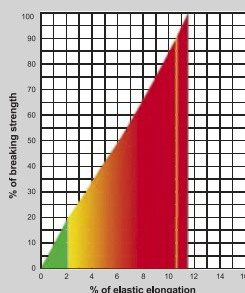
## Double Braid



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 (in) | Spliced Minimum Breaking Strength (lbf)* | Unspliced Minimum Breaking Strength (lbf)** | Weight (lb/100ft) |
|---------------|------------------------------------------|---------------------------------------------|-------------------|
| 1/4           | 1,700                                    | 1,800                                       | 2.0               |
| 5/16          | 2,800                                    | 3,000                                       | 3.0               |
| 3/8           | 4,300                                    | 4,700                                       | 4.2               |
| 7/16          | 6,200                                    | 6,800                                       | 5.7               |
| 1/2           | 8,300                                    | 9,100                                       | 7.8               |
| 9/16          | 10,000                                   | 11,000                                      | 10.0              |
| 5/8           | 13,500                                   | 14,500                                      | 13.0              |
| 3/4           | 17,000                                   | 18,500                                      | 16.1              |
| 7/8           | 26,000                                   | 28,500                                      | 24.6              |
| 1             | 35,500                                   | 39,000                                      | 32.8              |
| 1-1/8         | 43,500                                   | 47,500                                      | 44.9              |
| 1-1/4         | 52,000                                   | 57,000                                      | 50.2              |
| 1-1/2         | 68,000                                   | 74,000                                      | 68.0              |
| 1-3/4         | 88,000                                   | 96,000                                      | 102.0             |
| 2             | 110,000                                  | 120,000                                     | 129.0             |
| 2-1/8         | 130,000                                  | 140,000                                     | 149.0             |
| 2-1/4         | 150,000                                  | 165,000                                     | 170.0             |
| 2-1/2         | 200,000                                  | 220,000                                     | 204.0             |



### 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.

Minimum Break Strength

Specific Gravity: 1.38

\*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.