

# Defender<sup>®</sup>

## DOCK LINE SELECTION GUIDE

### Choices—because not all boats are the same

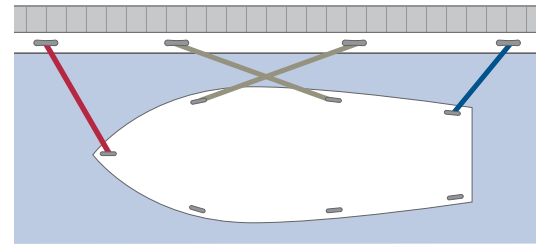
It's a fact of the boating life that, for most of us, our boats spend more time at the dock or moored than underway. Protect your investment and give yourself a little peace of mind by ensuring that you've got the best dock lines available. Our dock lines are available prepackaged in a variety of diameters and lengths with an eye spliced on one end. Custom sizes and lengths to suit specific mooring requirements are available.

### Dock Line Selection Guide

Strengths are approximate averages of new rope.

Boat Size	Solid Color™	Super Strong™	Pro-Set-3™
15–25 ft	3/8 in. 4,500 lb	3/8 in. 4,900 lb	3/8 in. 3,600 lb
26–30 ft	3/8 in. 4,500 lb	3/8 in. 4,900 lb	1/2 in. 6,300 lb
31–35 ft	3/8 in. 4,500 lb	3/8 in. 4,900 lb	1/2 in. 6,300 lb
36–40 ft	1/2 in. 7,900 lb	1/2 in. 8,600 lb	5/8 in. 10,000 lb
41–50 ft	1/2 in. 7,900 lb	1/2 in. 8,600 lb	5/8 in. 10,000 lb
51–60 ft	5/8 in. 14,000 lb	5/8 in. 15,200 lb	3/4 in. 13,500 lb
61–75 ft	3/4 in. 18,500 lb	3/4 in. 18,800 lb	7/8 in. 19,000 lb
76–90 ft	7/8 in. 27,000 lb	7/8 in. 29,000 lb	1 in. 25,000 lb
91–100 ft	1 in. 33,900 lb	1 in. 36,000 lb	
101–120 ft	1 in. 33,900 lb	1 in. 36,000 lb	

### CUSTOM DOCK LINES



Formulas for calculating custom dock lines:

- Bow Lines =  $1\text{-}1/2 \times \text{Beam}$
- Spring Lines =  $3/4 \times \text{Length Over All}$
- Stern Lines =  $1\text{-}1/2 \text{ to } 2 \times \text{Beam}$

All of Samson lines are built with 100% premium nylon that provides excellent stretch and flexibility. Additionally, all of Samson's colored dock lines are produced with solution-dyed nylon so the color will not bleed or fade. Samson offers custom sizes and lengths of dock lines to suit specific mooring requirements.

### DOCK LINE LENGTHS

Diameter INCHES	Solid Color™ FEET	Super Strong™ FEET	Pro-Set-3™ FEET
3/8 in.	15', 20', 25'	15', 20', 25'	15', 20', 25'
1/2 in.	15', 20', 25', 30', 35'	15', 20', 25', 30', 35'	15', 20', 25', 30'
5/8 in.	20', 25', 30', 35', 40'	20', 25', 30', 35'	25', 30', 35', 40'
3/4 in.	40', 45', 50'		

### ELASTIC ELONGATION

Elongation	Solid Color™	Super Strong™	Pro-Set-3™
10%	3.5%	3.0%	5.5%
20%	5.6%	5.3%	10.0%
30%	8.5%	6.7%	12.1%

After 50 cycles at % of break strength.



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