

Defender[®]

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	

DOCK LINE LENGTHS

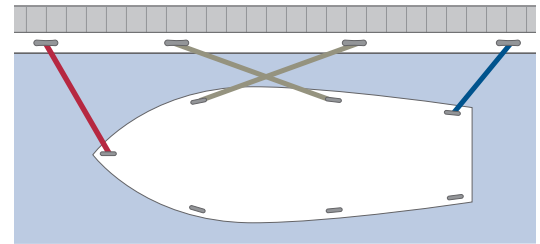
Diameter INCHES	Solid Color™ FEET	Super Strong™ FEET	Pro-Set-3™ FEET
3/8 in.	15', 20', 25'	15', 20', 25'	15', 20', 25'
1/2 in.	15', 20', 25', 30', 35'	15', 20', 25', 30', 35'	15', 20', 25', 30'
5/8 in.	20', 25', 30', 35', 40'	20', 25', 30', 35'	25', 30', 35', 40'
3/4 in.	40', 45', 50'		

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.

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.



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