

HARKEN®

INSTRUCTION SHEET

1851, 1852, 1899 Staysail Furlers

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Strictly follow all instructions to avoid an accident, damage to your vessel, personal injury or death. See www.harken.com for additional safety information.

Using Harken Staysail Furler

A Staysail furler makes it easy to set or strike a staysail because sail goes up and down wrapped in a tight roll. It's easy to test the effectiveness of a staysail in marginal conditions because the crew can set or remove sail without leaving their normal positions—they simply roll or unroll sail.

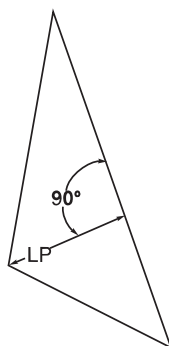
A furler makes it easier to jibe. The staysail can be rolled and dropped on deck. After boat is jibed, the halyard can be cleared and the sail reset.

A Harken staysail furling system is designed to be left attached to sail. Store staysail by "coiling" loosely before bagging. We suggest sheets and furling lines of different colors to minimize confusion when setting sail.

Choosing a Staysail Furling System

Part No.	Maximum Luff Length		Maximum LP	
	ft	m	ft	m
1851	50	15.25	13½	4
1852	70	21.33	20	6
1899	80	24	28	8.5

Maximum LP is determined by amount of line that can be wrapped on drum. If your luff length is under 50' (15.25 m) but your LP is over 13½' (4 m), use 1852. If your luff length is under 80' (24 m) but your LP is over 28' (8.5 m), use 1899.



Sail Modifications

Sail must be fitted with a special luff wire or rope designed for furling. This wire or rope must transmit torque of furling unit to head of sail. Your sailmaker may need to shorten sail luff slightly to accommodate length of drum and swivel. Some sailmakers add Velcro® to clew of sail to hold it in a tight roll during storage.

Determine Furling Line Length

Part No.	Line Length (See Below)		Line Ø	
	ft	m	in	mm
1851	10	10	5/32	4
1852	25	7.6	1/4"	6
1899	35	10.7	5/16	8

Use amount shown in chart plus enough line to lead to where crew will be stationed. If you plan to operate unit from close by add 5' (1.5 m) of line. If you plan to have a crew member furl from the rail you may need to add 15' (4.5 m) of line or more.

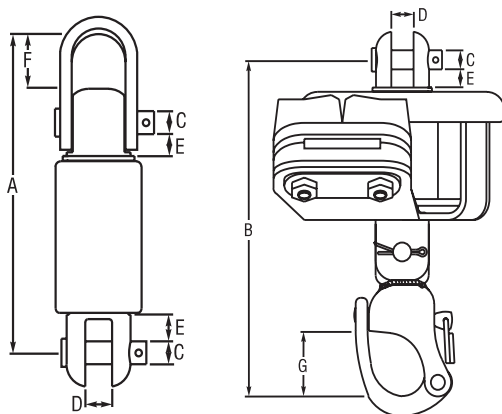
Attach Line and Install Furler

To attach line, pass it through cleat and fairlead into drum and out through hole in drum cap. Tie an overhand knot in line to secure it. "Charge" drum by turning it clockwise to wrap line on drum then attach drum to unfurled staysail.

Cam cleats are mounted on a wedge. Remove wedge if you prefer cam at a flatter angle to deck. Attach staysail furling system to a padeye or slider car which has bail oriented in a fore and aft direction so cleat faces aft.

Use only enough halyard tension to hold luff straight. Excess halyard tension makes furling more difficult and may damage unit.

Dimensions



	1851		1852		1899	
	in	mm	in	mm	in	mm
A Swivel Length	3 ⁹ / ₁₆	90	5 ⁷ / ₁₆	138	6 ¹ / ₄	159
B Drum Length	4 ¹ / ₂	114	6 ⁷ / ₁₆	164	7 ¹ / ₂	191
C Pin Ø	1/4	6	5/16	8	7/16	11
D Jaw Width	5/16	8	3/8	10	7/16	11
E Throat Clearance	1/4	6	7/16	11	3/4	19
F Halyard Shackle Opening	9/16	14	1	25	1	25
G Shackle	13/16	21	1 ¹ / ₁₆	27	1 ¹ / ₈	29

Maintenance

Harken equipment requires minimal maintenance, but some is required to give the best service and to comply with Harken's limited warranty.

It is important to keep equipment clean by frequent flushing with fresh water. In corrosive atmospheres, stainless parts may show discoloration around holes, rivets and screws. This is not serious and may be removed with a fine abrasive.

Keep furling units clean by flushing frequently with fresh water. Periodically clean lower unit and halyard swivel with detergent and freshwater to remove deposits of salt and dirt. Lubrication is not required, but lubricants such as McLube®, which will not attract dirt, may be used.

Important: Exposure to some teak cleaners and other caustic solutions can result in discoloration of part and is not covered under the Harken warranty.

Warranty

For additional safety, maintenance and warranty information see www.harken.com or the Harken® catalog.