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Self-Tacking Jib and Staysail Systems

Self-tacking jibs and staysails are popular on boats of all sizes because tacking is nearly automatic, with no need to haul or release a sheet. They work well with furling systems and with jib booms. Calculate loadings for traveler cars and blocks using the the following jib sheet formula: [Loading Formulas](#)

Typical Boat Length:

Small Boat: 22' - 28' (6.7 - 8.5 m)

Midrange: 29' - 34' (8.8 - 10.4 m)

Big Boat: 35' - 42' (10.7 - 12.8 m)

Standard Self-tacker

This system is often used on course racing keelboats like Solings. The traveler track is bent in a radius equal to the distance from the headstay to the sheeting point along the LP of the sail.

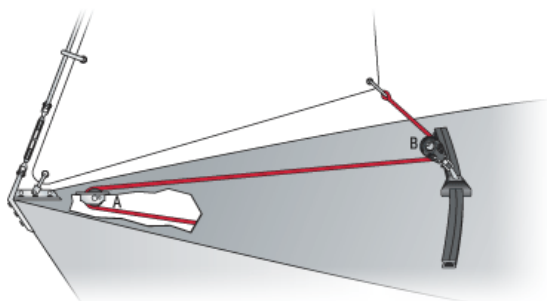


Diagram Ref.	Description	Small Boat Part No.	Midrange Part No.	Big Boat Part No.
A	Thru-deck	<u>131</u>	<u>046</u>	<u>047</u>
B	Single	<u>2636</u>	<u>2600</u>	<u>3226</u>

2:1 Self-tacker

Self-tacking jibs are popular because they keep the foredeck clean.

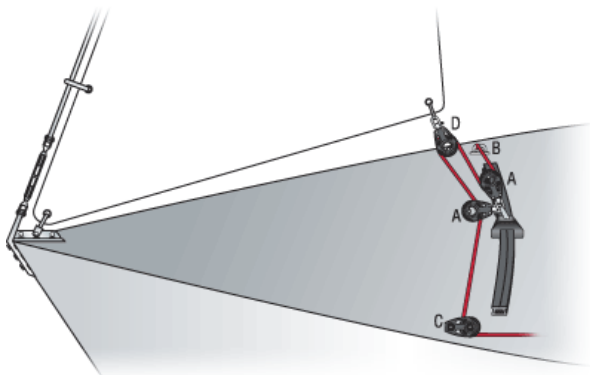


Diagram Ref.	Description	Small Boat Part No.	Midrange Part No.	Big Boat Part No.
A	Single	—	<u>2660</u>	<u>3226</u>

B	Padeye	<u>1558</u>	<u>688</u>	<u>689</u>
C	Cheek	<u>6106</u>	<u>6106</u>	<u>3220</u>
D	Single	—	<u>2660</u>	<u>3215</u>

Self-tacker on Jib Boom

Self-tacking jibs and staysails work well with furling systems and jib booms. This system features two “sheets”—one controls the in and out movement of the sail much like an outhaul. The other controls the boom.

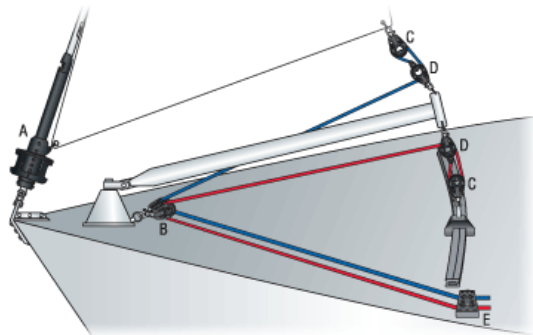


Diagram Ref.	Description	Small Boat Part No.	Midrange Part No.	Big Boat Part No.
A	Furler	<u>Unit 0</u>	<u>Unit 1</u>	<u>Unit 2</u>
B	Double	<u>2602</u>	<u>2662</u>	<u>3217</u>
C	Single	<u>2600</u>	<u>2660</u>	<u>3215</u>
D	Single	<u>2601</u>	<u>2661</u>	<u>3216</u>
E	Deck organizer	<u>6054</u>	<u>6054</u>	<u>6052</u>

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