



# SAIL MEASUREMENT FORM

Name:	Measured by:	Date: / /
Address:	Postcode:	
Phone (W)	Phone (H):	Email:
Boat Name:	Type:	
Sail Number:	Sail Numbers Colour:	
Yacht Club:		

The following measurements can be found on your boat's sail plan, rating certificate or in its specifications. If your boat has a rating certificate, please send us a photocopy.

I: \_\_\_\_\_ J: \_\_\_\_\_ P: \_\_\_\_\_ E: \_\_\_\_\_ LP: \_\_\_\_\_

### Measurement Notes:

- DO NOT** measure your old sails. Sails stretch and distort over the years. However, do include any unique details that pertain to the fit of your old sails to your boat, i.e. corner hardware or spreader patch position.
- Make sure to use steel or fibreglass reinforced measuring tape. Attach a separate "pull down" or retrieving line on your halyard before hoisting.

### TICK WHERE APPLICABLE

- |                                   |   |  |  |
|-----------------------------------|---|--|--|
| 1. BOAT IS...                     | <input type="radio"/> Full Race         | <input type="radio"/> Race/Cruise              | <input type="radio"/> Cruise                         |
| 2. HANDICAP RULES RACED UNDER.... | <input type="radio"/> One-Design        | <input type="radio"/> IMS                      | <input type="radio"/> PHRF <input type="radio"/> IRC |
| 3. BOAT'S RIG IS...               | <input type="radio"/> Masthead          | <input type="radio"/> Fractional               | <input type="radio"/> Unstayed                       |
| 4. RIG HAS...                     | <input type="radio"/> Running Backstays | <input type="radio"/> Babystay                 |  |
| 5. BACKSTAY TENSION SYSTEM IS...  | <input type="radio"/> Turnbuckle        | <input type="radio"/> Block & Tackle Hydraulic |  |

## MAINSAIL MEASUREMENTS *(Measure Mizzen in same manner)*

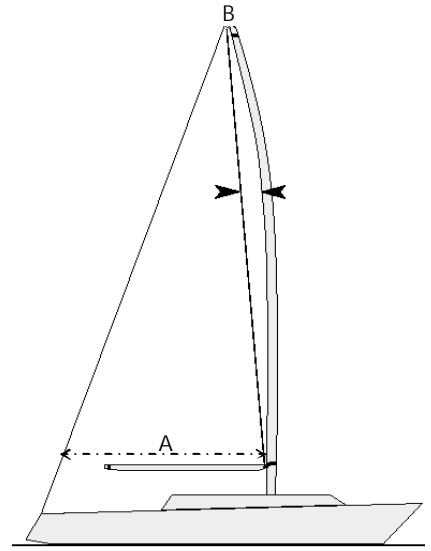
**Main Sail Maximum Luff** is measured by pulling the main halyard up as high as possible and then measuring to the top of the gooseneck. If your mast has a black band at the top, raise the tape until it is just at the lower edge of the band. You'll probably have to sight the position of the tape from off the boat. *If you measured to the black band, check the box.*

Next, while the halyard is still all the way up, measure to the bearing point on the outhaul car when it is at the same angle as it is when sailing.

Finally, measure the amount of mast bend by lowering the tape measure and holding the halyard tight at the intersection of the boom and the mast. Sight up and record the maximum number of inches between the mast and the halyard.

To help make your judgement, measure the fore-and-aft dimension of the mast and use the column width as a reference. Make sure that the backstay is tensioned before making the measurement.

The maximum foot length of the main is measured along the boom, between the aft face of the mast and inner end of the black band at the end of the boom. If there is no measurement band, measure to the clew car pin when the car is at its maximum extended position.



Max. Luff _____ <input type="checkbox"/> Tick if measured to the band)	Straight Line Leech _____	Mast Bend _____	Max. Foot _____ <input type="checkbox"/> Tick if measured to the band)
A: Mast to Back Stay _____ At boom height	B: Masthead width _____		

## ... more Mainsail measurements

Note: Fill in "W, X, Y, Z" if your outhaul is on a track, or just "Y" & "Z" if your outhaul is just a shackle.

W	Height of bearing point on outhaul car from the top of the boom.
X	Distance from black band to loosest outhaul setting.
Y	Distance from black band to end of bolt rope groove or end of the boom track.
Z	The jaw width of the shackle or tack attachment mechanism

A	Aft face of mast to bearing point of tack fitting.
B	Top of boom to bearing point of tack fitting.
C	Aft face of mast to bearing point of reef hook.
D	Top of boom to bearing point of reef hook.
E	Aft face of mast to end of groove or track.
F	Top of boom to luff groove exit or slide stop—which ever is higher.

### Spreaders

Heights: \_\_\_\_\_

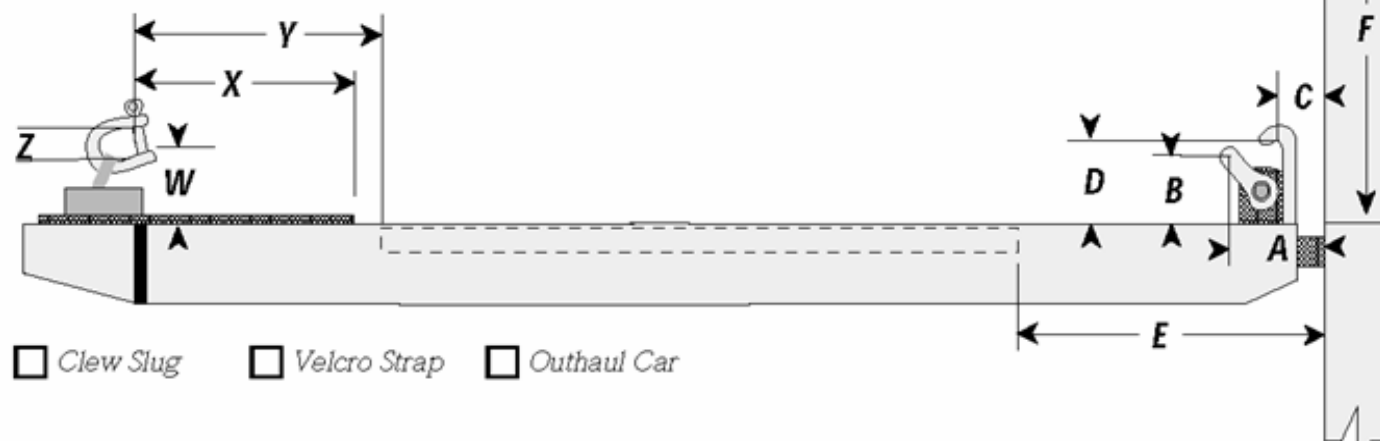
Lengths: \_\_\_\_\_

(Please tick)  Incline or  Aft Swept

### Reefs

Number: \_\_\_\_\_

Block positions (distance from mast):



Clew Slug  Velcro Strap  Outhaul Car

## NOTES

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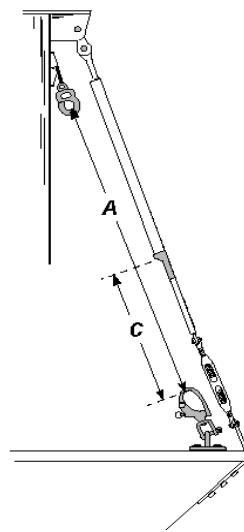
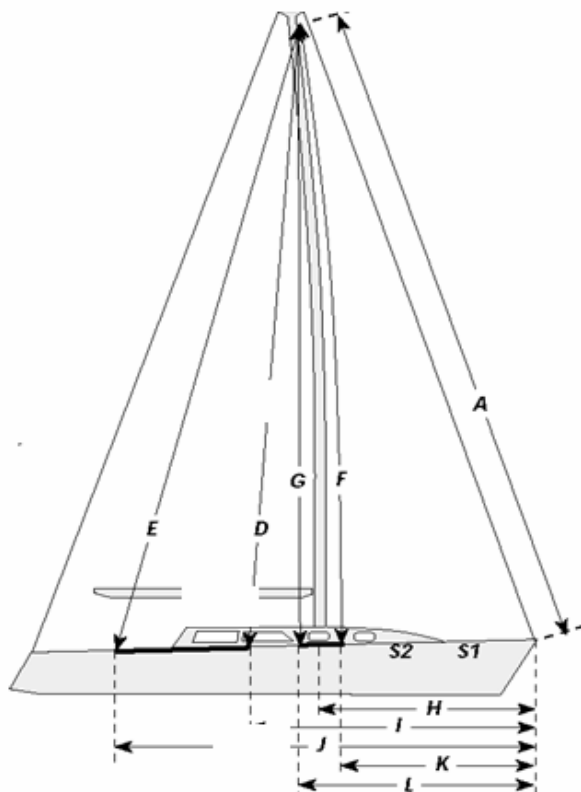
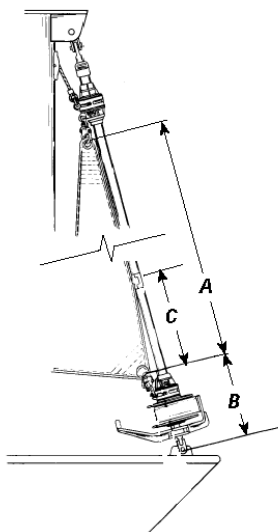
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### FOOT AND LUFF SLIDES

<p><b>Slug or Bolt Rope</b></p> <p>Circle one Slug or Rope Diameter</p> <p>1/4" 5/16" 3/8" 7/16" 1/2"</p> <p>Groove Width: _____</p> <p><input type="checkbox"/> Mast <input type="checkbox"/> Boom</p>	<p><b>External Slide</b></p> <p>Track Width</p> <p>Circle one</p> <p>5/8" 7/8" 1"</p> <p><input type="checkbox"/> Mast <input type="checkbox"/> Boom</p>
<p><b>INTERNAL SLIDE</b></p> <p>Slide Width:</p> <p>Circle one</p> <p>5/8" 3/4" 7/8" 15/16"</p> <p style="text-align: center;"> </p> <p>A: _____ B: _____ C: _____</p> <p><input type="checkbox"/> Mast <input type="checkbox"/> Boom</p>	

# HEADSAIL MEASUREMENTS

## Roller Furling Cover port / starboard side



### Roller Furlers

When furling system installed, measure "A"— the maximum luff. Attach tape measure to lower shackle of the halyard swivel. Next, raise swivel as high as possible and measure to the tack shackle on the top of furling unit's drum.

### Non-Roller Furling

Measure the max luff by attaching a tape measure to the GENOA halyard shackle and raise the halyard as high as it will go. Measure to the bearing point on the tack fitting.

**NOTE: TENSION THE BACKSTAY TO AVERAGE UPWIND SETTING BEFORE TAKING MEASUREMENTS.**

<b>A:</b> _____	<b>B:</b> _____	<b>A:</b> Maximum Luff
<b>C:</b> _____		<b>B:</b> Forestay attachment pin to tack shackle on the roller furling drum.
		<b>C:</b> Bearing point of tack shackle to the feeder in the head stay foil.

With the GENOA halyard raised as high as it will go, take the following measurements.

<b>D:</b> _____	<b>E:</b> _____	<b>D:</b> Forward end of the Genoa track. Make sure tape passes around the shrouds as if it were the leech of a sail. Pull tight when measuring.
<b>F:</b> _____	<b>G:</b> _____	<b>E:</b> Aft end of the Genoa track; use above procedure.
		<b>F:</b> Forward end of No.3 track
		<b>G:</b> Aft end of No.3 track

Take the following measurements from the bearing point on the tack fitting.

<b>H:</b> _____	<b>I:</b> _____	<b>H:</b> To the base of the shrouds.
<b>J:</b> _____	<b>K:</b> _____	<b>I:</b> To the bearing point of the Genoa car at the forward end of the Genoa track
<b>L:</b> _____	<b>S1:</b> _____	<b>J:</b> To the bearing point of the Genoa car at the aft end of the Genoa track
<b>S2:</b> _____	<b>S3:</b> _____	<b>K:</b> To the bearing point of the Genoa car at the forward end of the No.3 track (if separate).
		<b>L:</b> To the bearing point of the Genoa car at the aft end of the No. 3 track (if separate).
		<b>S1-3:</b> To all the stations in front of the shrouds.

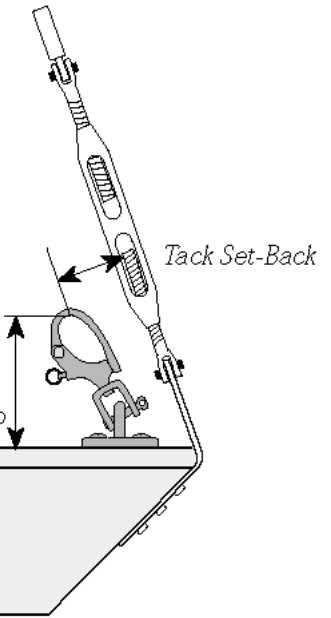
Take the following measurements across the deck:

<b>M:</b> _____	<b>N:</b> _____	<b>M:</b> Distance between the forward ends of the port and starboard Genoa tracks.
<b>O:</b> _____		<b>N:</b> Distance between aft ends of the port and starboard Genoa tracks.
		<b>O:</b> Distance between the port and starboard shroud bases.

# FORESTAY AND TACK FITTING MEASUREMENTS

Please tick rigging that is used on your yacht

<input type="radio"/> <b>Horn</b> 	<input type="radio"/> <b>Bail</b> 	<input type="radio"/> <b>Single Plate</b> 	<input type="radio"/> <b>Other (please draw)</b>  
<input type="radio"/> <b>Snap Shackle</b> 	<input type="radio"/> <b>Double Plate</b> 	<b>Tack Set Up and Set Back</b> Measure from the bearing point of the tacking fitting to the deck <input style="width: 50px;" type="text"/> Measure bearing point of the tack fitting to the forestay <input style="width: 50px;" type="text"/>	



### Headstay System

**Hanks or Snaps**

Wire or rod diameter:

**Foil Headstay**

Manufacturer:

Model/Size:

Luff Tape Size:

**Roller furling**

Manufacturer:

Model Size:

Luff Tape Size:

*Thank you kindly for your assistance in helping Horizon Sailmakers develop sails that are custom designed for your yacht.*

*Happy Sailing!!!*

## NOTES

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