

# Precision Sails **Measurement Form**

## Mainsail / Mizzen



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[www.precision sailloft.com](http://www.precision sailloft.com)

At Precision Sails Ltd, we understand the importance of a well-fitted sail for optimal performance on the water. Our goal is to provide you with a sail that not only looks great but also performs exceptionally well. By filling out all the sections to the best of your ability, you help us achieve this goal and ensure your sail is a perfect fit for your boat.

### ■ **Before You Start**

Before heading to your boat and measuring make sure you have the following:

- Reeled Tape Measure (**Do Not Use Rope**)
- Measurement Form
- Camera or Phone
- Calipers or Complete Drill Bit Set

#### Resources



Video  
Tutorial



Online  
Form



Form  
Submit



### ■ **Sailor Information**

Order Number :  Boat Year and Make :

Name :  Phone Number :

### ■ **Measure Your Existing Mainsail**

- Lay the sail out on a flat surface: grass, driveway, or parking lot.
- When you measure the sail we only need straight-line measurements for each point.
- Sails stretch overtime. Do not try to account for stretch. This measurement is used as a guideline.
- Do not try to measure any curves in the sail. Our designers will make the correct adjustments when we build your sail. **Make sure to pull the sail taut before measuring.**



*Use this diagram to help you measure your sails*

#### Mainsail Measurements

- Measure the forward leading edge of your existing Mainsail. :  LUFF
- Measure from the Head to the Clew in a straight line. :  LEECH
- Measure the bottom edge of your existing Mainsail. :  FOOT

#### Boat Photos (*Required*)

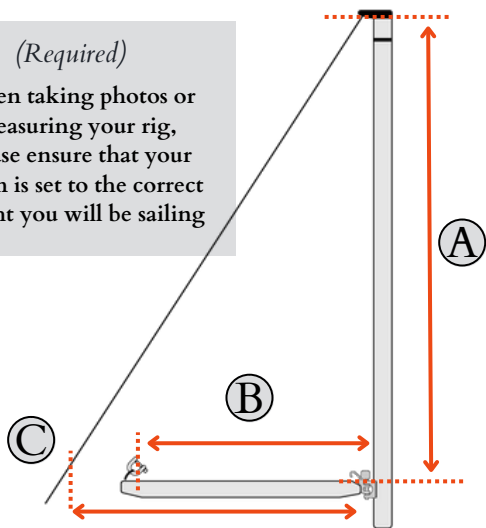


Photos of your boat help us to design the best Mainsail possible. Sending the required photos with this form will allow us to understand your rig better.

**PRECISION**  
SAILS

(Required)

When taking photos or measuring your rig, please ensure that your boom is set to the correct height you will be sailing



## Rig Measurements

Max Hoist (A)

- Attach a measuring tape to the main halyard and hoist it up the mast until it stops; measure to boom connects to the mast (the gooseneck).

:

Max Foot (B)

- Attach a measuring tape to your outhaul shackle, and pull the out haul back to the aft of the boom; measure to where the boom connects to the mast (the gooseneck).

:

• Do You Have A Backstay?

YES :

NO :

SINGLE  
 RUNNING  
 SPLIT

- If Split - measure between to backstay

Adjustable Backstay?

YES

NO

- If yes take photos from both max positions.

Mast to Backstay (C)

- Measure from the aft face of the mast to the backstay at the height of the boom.

:

## Connections

Reef Hook Set Back (D)

- Measure from Aft Face of Mast to Bearing Point of Reef Hook (if any).

:

Tack Set Up (E)

- Measure from Top of Boom to bearing point of tack fitting.

:

Tack Set Back (F)

- Measure from Aft Face of mast to bearing point of the tack fitting.

:

Mast Groove (G)

- Measure from top of boom to top of mast gate.

:

## Mast Bend and Rake

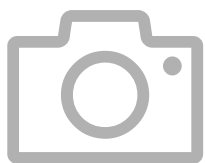


Photo Taken



- At minimum one photo - multiple photos recommended

For this Section the only measurements required is a photo.

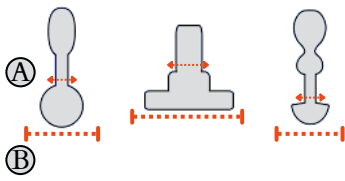
Here's what you need to do:

- Use the diagram as a reference to take a full side profile photo of your mast.
- Make sure the entire mast is visible in the photo.
- We need to estimate the bend and rake of your mast from the photo, so try to get a clear and accurate picture.
- Once you have the photo, you can move on to the next step in the process.



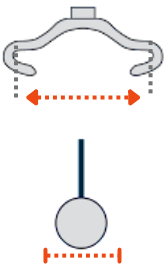
Luff Configuration

Provide from your existing sail



Internal Sliders {  
• ☐ ROUND  
• ☐ FLAT  
• ☐ HALF ROUND

• Measure the width and waist of your selected slider.  
WAIST (A) :  WIDTH (B) :



☐ External Slider • Measure the width of your selected option. WIDTH :   
• If you do not have the sliders you can measure the width of the track.

☐ Bolt Rope (no slides) • Measure the width of your selected option. WIDTH :

Hardware Photos (Recommended)

Take photos as you measure. This helps answer questions about hardware, sheeting position, and your rig.

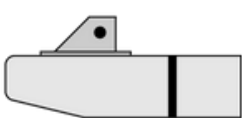
If you are using an aftermarket slide system

BRAND :   
# OF FULL BATTEN SLIDES :   
TOTAL # OF SLIDERS :

Unlisted Sliders WIDTH :   
If your Sliders are not listed take a photo and provide the: WAIST :   
MAST :   
SLOT :

Foot Configuration

Select your outhaul style and provide foot details

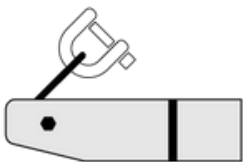


☐ Car Style  
Outhaul Height :

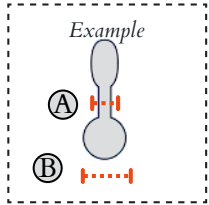
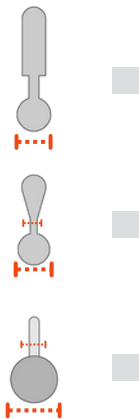
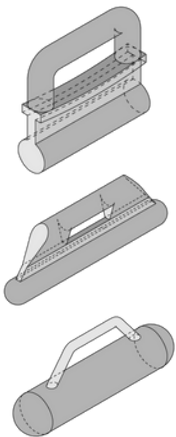
I Want A Fixed Foot (\$75 Additional)

Take photos as you measure. This helps answer questions about hardware, sheeting position, and your rig.

Or



☐ Shackle Style



Measure the width, waist, and diameter of your selected slider.

WAIST (A) :   
WIDTH (B) :

Choose the clew slug that looks the most like your current setup

■ Top of Mast

HEAD TYPE

- Select your mast head type and measure as directed. Some measurements are only applicable to individual head types.

☐ Backstay

☐ Backstay Pin

☐ No Backstay

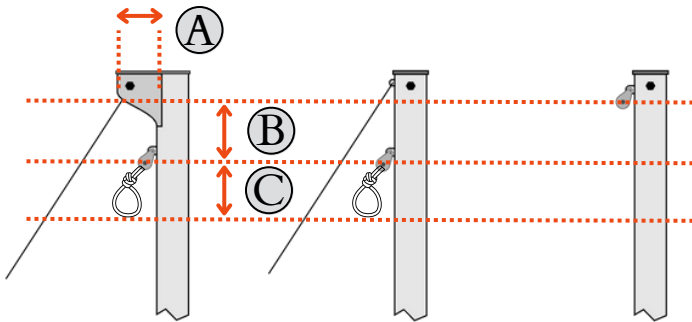


Photo Taken



- Submit a photo of the top of your mast from deck

Crane Size (A)

- Using the mast width as a guide, estimate the distance between the aft face of the mast and the backstay top pin.

:

Halyard Shive to Backstay Pin (B)

- Estimate the distance from the halyard maximum hoist position to the backstay pin at the top of mast.

:

*\*disregard if halyard shive is inside crane*

Length of Shackle & Knot (C)

- Measure from the bearing point of your halyard shackle to where the halyard can no longer go through the halyard sheave at the top of the mast.

:

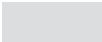
*\*normally a knot or splice in the rope.*

■ Customization Options

SAIL DISTINCTIONS

- Please select your draft stripe and sail number colors

SAIL NUMBERS



DRAFT STRIPE COLOR

☐ Black

☐ Red

☐ Blue

☐ Green

SAIL NUMBER COLOR

☐ Black

☐ Red

☐ Blue

☐ Green



Need help measuring your boat?  
Scan the QR code for some helpful resources.



Ready to submit your measurements? Scan the QR code and fill out the form, or upload a photo of this form from your phone.

ADDITIONAL NOTES -

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■ Form Submission

Phone and Fax: 1-888-958-5638 • [www.precisionsailloft.com](http://www.precisionsailloft.com) • [measurements@precisionsailloft.com](mailto:measurements@precisionsailloft.com)

