



Mainsail Measurement Sheet

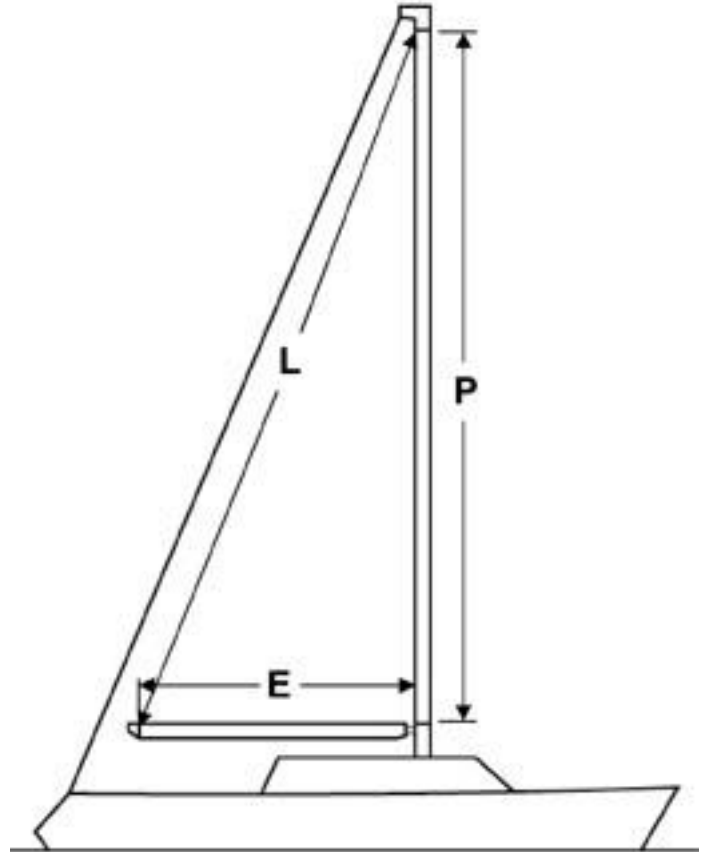
www.Mariner-Sailmakers.com

1) P= ____ft ____in

Finish Luff Measurement: Attach a tape measure to the main halyard and hoist it to the bottom edge of the upper black band. Measure down to the upper edge of the bottom black band. If there are no black bands on the mast, raise the tape to the desired max hoist headboard position and measure down to the top edge of the boom.

2) E= ____ft ____in

Finish Foot Measurement: Measure along the boom from the aft face of the mast to the forward edge of the black band. If there is no black band on the boom, with the outhaul in its maximum extended position, measure to the outhaul clew pin or to the bearing surface of the outhaul shackle. Make sure that your maximum extended outhaul position allows enough room in back of the outhaul to allow for a small amount of sail stretch and for any blocks that are needed for use in the outhaul system.

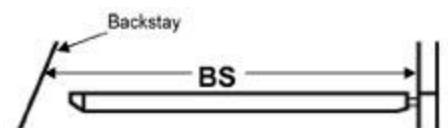


3) L= ____ft ____in

Finish Leech Measurement: With the tape measure at the lower edge of the black band (or at the desired luff max hoist position) measure down to the top of the boom at the max outhaul position (aft end of E measurement). Typical boom placement is level to the water line, but make sure that you have clearance for any dodger or boom gallows.

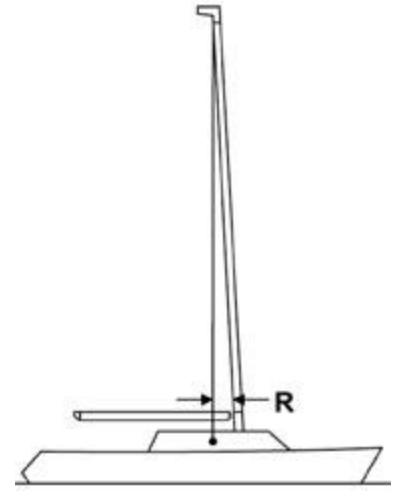
4) BS= ____ft ____in

Distance from mast to backstay: Measuring horizontally at boom level, measure from the aft edge of the mast to the backstay.

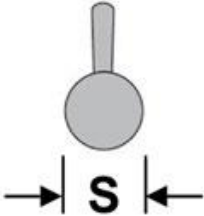
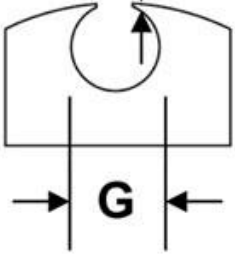
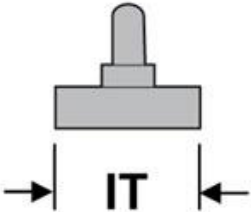
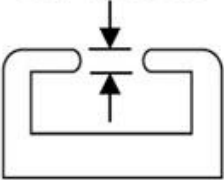

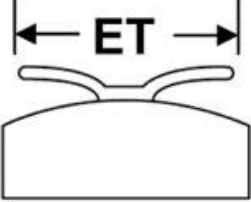


5) R=____inches

Mast Rake: Attach a heavy weight to the main halyard and measure the distance between the aft side of the mast to the halyard at boom level.



6) Mast Track/Slot Type

<input type="checkbox"/> Slug <input type="checkbox"/> Boltrope 	<p>Wall Thickness</p>  <p>Wall Thickness= _____</p>	<p>S= 5/16" _____ 3/8" _____ 1/2" _____ Or Rope Dia. _____ Or G= _____</p>
<input type="checkbox"/> Internal Track 	<p>Wall Thickness</p>  <p>Wall Thickness= _____</p>	<p>IT= 5/8" _____ 3/4" _____ 7/8" _____ Wall Thickness= _____</p>
<input type="checkbox"/> External Track 	<p>ET</p> 	<p>ET= 5/8" _____ 7/8" _____ Other: _____</p>
<input type="checkbox"/> Other		

7) F=___inches

Feeder Height: Measure from the top of the black band (or top of boom) up to where your bolt rope or slide enters the mast.

8) TB=___inches

Tack Back: Measure from the aft face of the mast to the center of the tack pin.

9) TU=___inches

Tack Up: Measure from the top edge of the boom to the center of the tack pin.

10) RB= ___inches

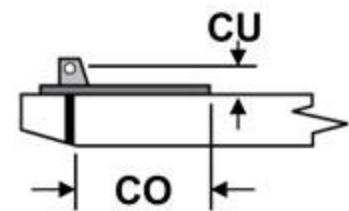
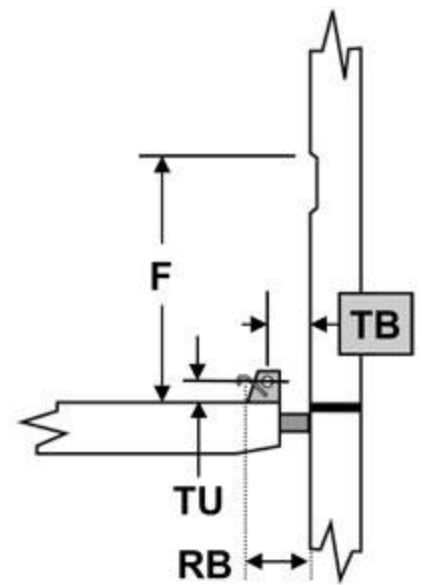
Reef Back: Measure from the aft edge of the mast to the bearing surface of the reef hook (if your boat is equipped with one).

11) CU=___inches

Clew Up: Measure from the top edge of the boom (not the outhaul track) to the center of the clew pin.

12) CO=___inches

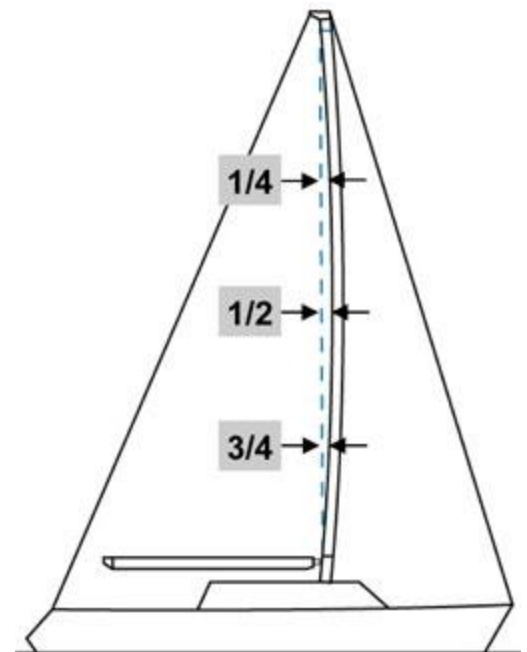
Clew Cut Out: Measure length of outhaul track travel from max "E".



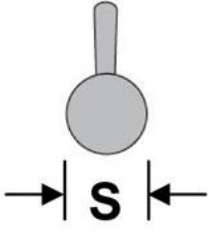
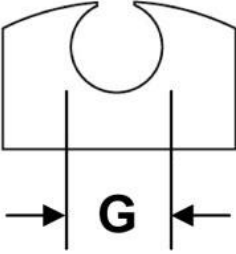
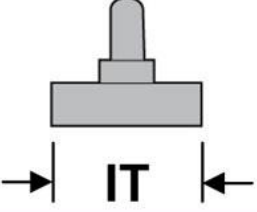

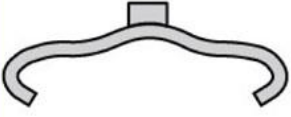
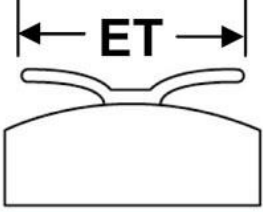
No Outhaul Car—Use Clew Slug or Slide

13) Mast Bend

Use the halyard, pulled tight between the black bands (or maximum luff and tack), as a straight edge on the back of the mast. Record the mast bend at the 1/4, 1/2, and 3/4 points of the luff. Use the fore and aft width of the mast as a reference for estimating the offsets.

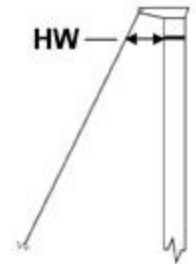


14) Boom Track/Slot Type

<input type="checkbox"/> Slug <input type="checkbox"/> Boltrope 		S= 5/16" _____ 3/8" _____ 1/2" _____ Or Rope Dia. _____ Or G= _____
<input type="checkbox"/> Internal Track 		IT= 5/8" _____ 3/4" _____ 7/8" _____
<input type="checkbox"/> External Track 		ET= 5/8" _____ 7/8" _____ Other: _____
<input type="checkbox"/> Loose Foot		

15) Head Width= _____ inches

Using the fore and aft mast width as a guide, estimate distance between the aft face of the mast and the backstay at the lower edge of the black band (or at the desired mainsail max hoist position).



Customer Name: _____

Boat Make and Model: _____ email: _____

Day Phone: _____ Evening Phone: _____