



# MAINSAIL

Age of Sail \_\_\_\_\_

HB > of 0.5 or 0.04E

HB = \_\_\_\_\_

Leech 7/8 Point MGT = \_\_\_\_\_

0.22E<sub>max</sub> = \_\_\_\_\_

Leech 3/4 Point MGU = \_\_\_\_\_

0.38E<sub>max</sub> = \_\_\_\_\_

MEASURE FROM LEECH

TO NEAREST POINT ON LUFF

Leech 1/2 Point MGM = \_\_\_\_\_

0.65E<sub>max</sub> = \_\_\_\_\_

P = \_\_\_\_\_

P<sub>max</sub> = \_\_\_\_\_

Leech 1/4 Point MGL = \_\_\_\_\_

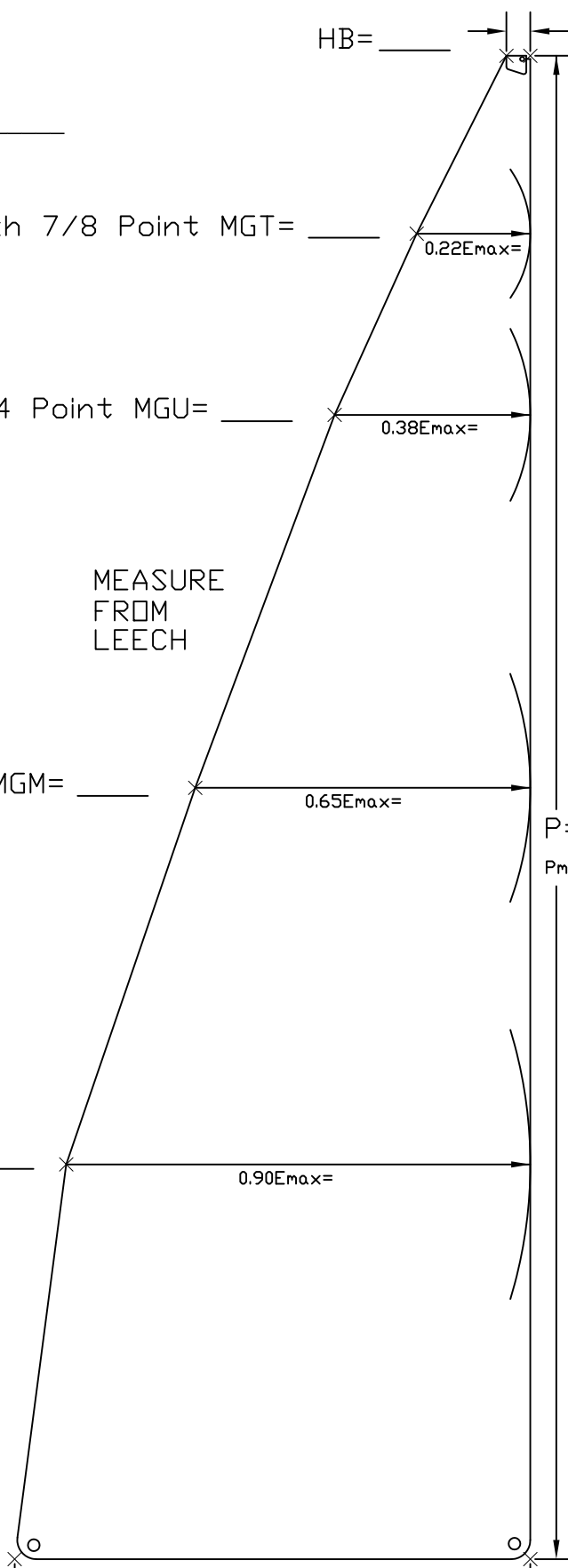
0.90E<sub>max</sub> = \_\_\_\_\_

CLEW

E = \_\_\_\_\_

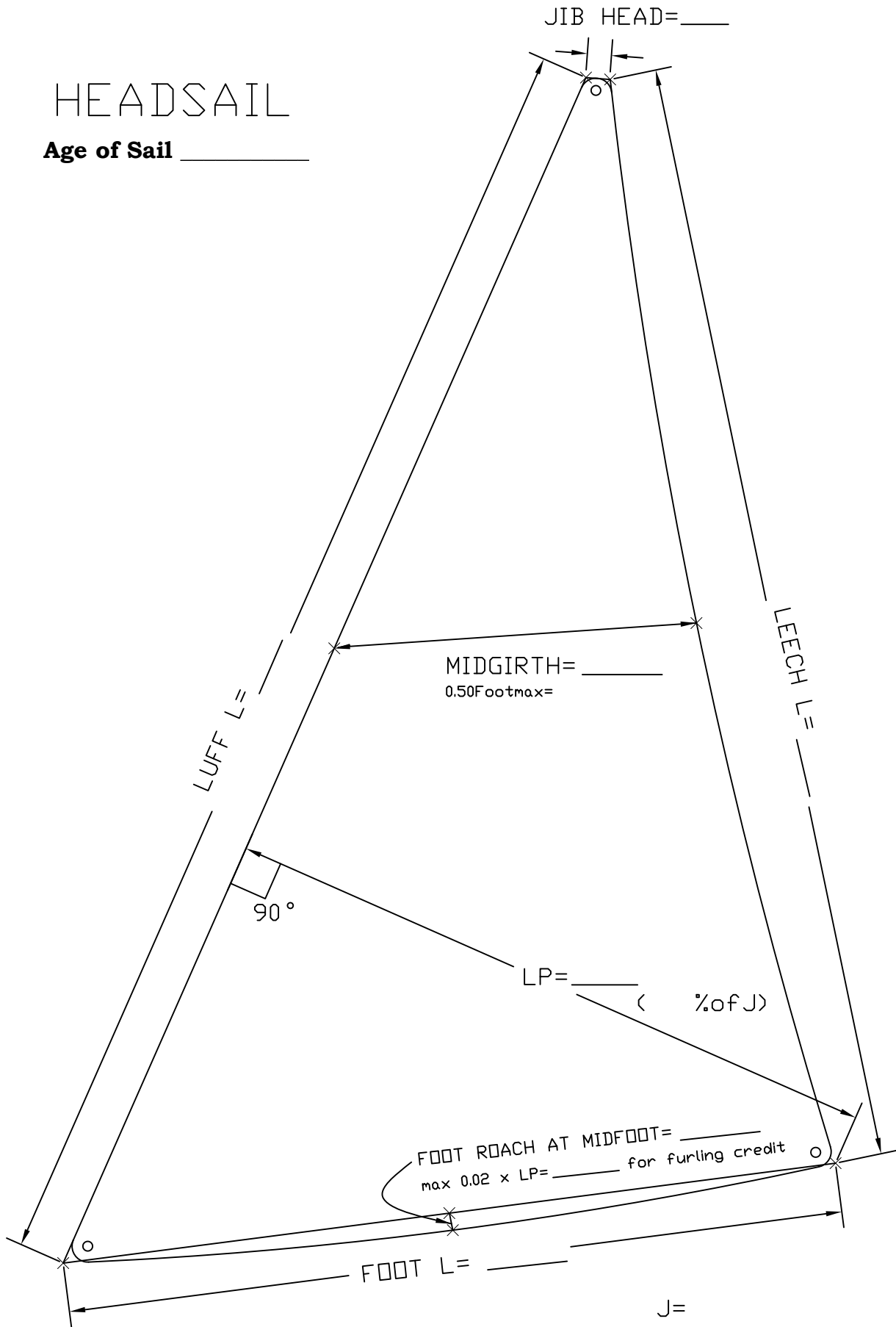
TACK

E<sub>max</sub> = \_\_\_\_\_



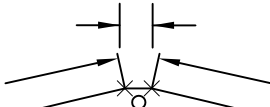
# HEADSAIL

Age of Sail \_\_\_\_\_



# SPINNAKER

HBS= \_\_\_\_\_



SLU= \_\_\_\_\_  
SLU/2

SLE= \_\_\_\_\_  
SLE/2

Symmetrical  
SLU and SLE  $\leq 0.95 \times \sqrt{I^2 + \langle \rangle \text{ of J or SPL}^2}$

SMG (MIDGIRTH) = \_\_\_\_\_  
 $> 0.75 \times \text{FOOT}$

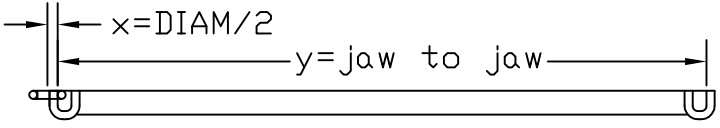
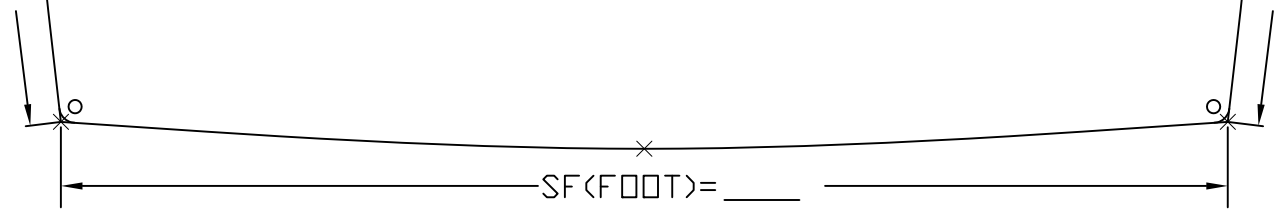
SMW (MAXWIDTH) = \_\_\_\_\_  
 $\leq 1.8 \times \langle \rangle \text{ of J or SPL}$

AMG (MIDGIRTH) = \_\_\_\_\_

Asymmetrical  
 $\langle \text{SLU} + \text{SLE} \rangle / 2 \leq 0.95 \times \sqrt{I^2 + \langle \rangle \text{ of J or SPL}^2}$   
SLU/SLE  $\geq 1.1$   
ASMG  $\geq 1.6$  and  $\leq 1.8 \times \langle \rangle \text{ of J or SPL}$   
ASMG  $\geq 0.75 \times \text{FOOT}$   
AREA NOT  $>$  THAN SYMMETRICAL

SLU/2

SLE/2



J=  
I=

x + y = SPL  $\leq$  J without penalty



**PHRF-LE INC.**  
**P.O. BOX 770109**  
**CLEVELAND, OHIO 44107**  
**VOICE: 440/933-9917**  
**FAX: 440/933-0090**  
**EMAIL: info@phrf-le.org**

**CRUISING CREDIT APPLICATION**

I have checked below the cruising credits I wish to take for the current sailing season. A sail measurement form must accompany this application if applying for roller furling credits. I understand that only ONE change will be permitted during the season and that it will take 4-8 weeks from receipt by the PHRF-LE secretary for the new certificate to be issued. There will be NO EXCEPTIONS.

- RF Credit- Class 2 +6 sec/mi - Limited to one headsail\* constructed of woven Dacron or other polyester fibers with a minimum 4oz fabric UV cover on the leech and foot of the sail.
- RF Credit- Class 1 +3 sec/mi - Boat is limited to using 2 headsails\*; the 2<sup>nd</sup> sail must be 110% or less that have been qualified for the current year. No limitations on sail materials. For example, if you have roller furling sails registered from a previous year and replaced it with a new sail, the old sail can no longer be used for racing. In addition, if you previously registered a 135% sail as your largest headsail and purchased a new 155% sail, you cannot use the 135% sail for racing as it is not < 110%. If your sail inventory has a 135%, an old 155%, and a new 155% that was registered for the roller furling credit, you cannot use the 135% or the old 155% if the air is up in order to 'save' the new one from breaking down.  
 \*Not including storm jibs as defined in ISAF Offshore Special Regulations 4.26

- Roller Furling Main at Mast +6 sec/mi
- 2 Blade Solid Propeller +6 sec/mi
- 3 Blade Solid Propeller +12 sec/mi

Please complete the following information. Do not leave any blanks as this will hold up your certificate.

Boat Name \_\_\_\_\_ Sail # \_\_\_\_\_ Date Sail was Made \_\_\_\_\_

Owner Name \_\_\_\_\_ Sailmaker \_\_\_\_\_  
Please Print Please Print

LP Measurement of Largest Headsail \_\_\_\_\_ LP measure of 2<sup>nd</sup> sail (must be <110% \_\_\_\_\_  
 LP% of Largest Headsail \_\_\_\_\_ LP% of 2nd sail (must be <110%) \_\_\_\_\_

Are you using one sail Yes \_\_\_\_\_ No \_\_\_\_\_ Foot Roach \_\_\_\_\_

Material Composition of Largest Headsail \_\_\_\_\_ Laminate or Woven? \_\_\_\_\_  
(i.e. mylar, polyester, Pentex, Dacron, Kevlar, etc.)

Material Composition of 2<sup>nd</sup> Sail \_\_\_\_\_ Laminate or Woven? \_\_\_\_\_  
(i.e. mylar, polyester, Pentex, Dacron, Kevlar, etc.)

Material Composition of Leech Cover (i.e. sunbrella, dacron, tedlar) \_\_\_\_\_  
 Material Weight of Leech Cover (i.e. sunbrella, 4 oz,) \_\_\_\_\_

Owner Signature

Date

Rev 6/18/17



The PHRF-LE Committee has revised the cruising credits in reference to the roller furling rules. The proposed credits for roller furling are as follows:

### GENERAL QUALIFICATIONS

1. **All** qualifying Roller Furling ("RF") sails must have foot roaches that do not exceed 2% of the LP. A sail measurement form must be submitted with the application and must be verified by a measurer or sail maker.
2. The bottom of the roller furling drum must be above deck and it must be able to furl all qualified headsails in a normal manner.
3. Qualified roller furling sails must be in the luff groove for the full luff of the sail, attached to a swivel at the head of the sail and to the drum swivel at the tack.
4. No battens of any kind are allowed in qualified roller furling headsails.
5. For Class 2, sail changes from one qualified RF sail to a second qualified RF sail are allowed during the race provided that the changed sail is attached in the manner stated in point 3 and is the registered <110% sail.
6. Qualified RF sails must exhibit the appropriate PHRF-LE label in the area of the tack. The labels will be mailed from PHRF-LE upon completion of the CRUISING CREDIT Application and approval from PHRF-LE. A sail without a label is not a legal sail and thus could be protested by your competitors.
7. Roller furling credits for boats designed as cutters will be addressed by the committee on an individual basis.
8. Once you receive your credits, you must race with the qualified RF configuration. Notification and acknowledgement to the PHRF-LE committee is required for all changes. Switching back to a non-RF configuration is allowed only once during the season with no return to RF credits allowed for the rest of the season.
9. *Violation of the RF cruising credit rules is a serious offense. Upon sustained protest, violators will be disqualified from the race and/or series in which the violation occurs. Additionally, the PHRF-LE committee may revoke future cruising credits and review the protest for further disciplinary action by PHRF-LE.*

## CREDITS

### **RF Credit- Class 3 +6 sec/mi**

Limited to one headsail constructed of woven Dacron or other woven polyester fibers with a minimum 4oz fabric UV cover on the leech and foot of the sail.

### **RF Credit- Class 2 +3 sec/mi**

**Boat is limited to using two headsails\***; the 2<sup>nd</sup> sail must be 110% or less that have been qualified for the current year. No limitations on sail materials.

For example, if you have roller furling sails registered from a previous year and replaced it with a new sail, the old sail can no longer be used for racing. In addition, if you previously registered a 135% sail as your largest headsail and purchased a new 155% sail, you cannot use the 135% sail for racing as it is not < 110%. If your sail inventory has a 135%, an old 155%, and a new 155% that was registered for the roller furling credit, you cannot use the 135% or the old 155% if the air is up in order to 'save' the new one from breaking down.

\*Not including storm jibs as defined in ISAF Offshore Special Regulations 4.26

## MEASURERS

**Barry, Mike**

BYC

[mtb2019@aol.com](mailto:mtb2019@aol.com)

**Brink, David**

SSC

[davebsail@aol.com](mailto:davebsail@aol.com)

**Burris, Sandy**

LYC

[sanfordburris@gmail.com](mailto:sanfordburris@gmail.com)

**Squizzato, Mark**

PDYC

[marksquizzato@gmail.com](mailto:marksquizzato@gmail.com)

**Davis, James**

JRSC

[jadavis@buckeye-express.com](mailto:jadavis@buckeye-express.com)

**Declercq, Al**

Clinton Township, MI

[al@doyledetroit.com](mailto:al@doyledetroit.com)

**Elliott, Dan**

Ullman Sails

[delliott@ullmansails.com](mailto:delliott@ullmansails.com)

**Frazier, Dick**

NCYC

[rdfrazier@hotmail.com](mailto:rdfrazier@hotmail.com)

**Freeman, Tom**

PSSC

[tfreeman@inps.on.ca](mailto:tfreeman@inps.on.ca)

**Gilford, Keith**

NCYC

[keithgilford@chartermi.net](mailto:keithgilford@chartermi.net)

**Glanville, John**

[paragon25556@charter.net](mailto:paragon25556@charter.net)

**Harris, Gary**

VBC

[gary.harris@northsails.com](mailto:gary.harris@northsails.com)

**Howe, Doug**

WSSC

[d1howe@wowway.com](mailto:d1howe@wowway.com)

**Koski, Greg**

Ullman Sails

[ullmancleveland@aol.com](mailto:ullmancleveland@aol.com)

**Kulwicki, Jim**

BHSC

[james-eders@verizon.net](mailto:james-eders@verizon.net)

**Kwilecki, Donald**

VBC

[knotkwik@roadrunner.com](mailto:knotkwik@roadrunner.com)

**Lengyel, David**

AYC

[djlengyel@yahoo.com](mailto:djlengyel@yahoo.com)

**Lillo, Aarne**

Edgewater Yacht Club

[aarne.lillo@yahoo.com](mailto:aarne.lillo@yahoo.com)

**MacMillan, Dave**

SLSC

[digmac2@aol.com](mailto:digmac2@aol.com)

**Merkle, Chris**

LSYC

[merklec@aol.com](mailto:merklec@aol.com)

**Michaud, Al**

MBC

[pnkpnthr@comcast.net](mailto:pnkpnthr@comcast.net)

**Mills, Colin**

GRSC [mcolinmills@aol.com](mailto:mcolinmills@aol.com)

**Obersheimer, Charles**

BYC

[obiesail@pcom.net](mailto:obiesail@pcom.net)

**Pollack, Roger**

GIYC

[racerx42211@hotmail.com](mailto:racerx42211@hotmail.com)

**Raynor, George**

CLYC

[hardtack30168@yahoo.com](mailto:hardtack30168@yahoo.com)

**Ruckstuhl, Cliff**

PCYC

[cliffruckstuhl@att.net](mailto:cliffruckstuhl@att.net)

**Ryan, David**

CIC

[dryan@buckeye-express.com](mailto:dryan@buckeye-express.com)

**Schiavoni, Paul**

BHSC

[pschiavoni3@gmail.com](mailto:pschiavoni3@gmail.com)

**Squizzato, Mark**

PDYC

[marksquizzato@gmail.com](mailto:marksquizzato@gmail.com)

**Synowiec, Dick**

FYC

[cptsnick1@gmail.com](mailto:cptsnick1@gmail.com)

**Tushak, Jon**

EYC

[jctpe@neo.rr.com](mailto:jctpe@neo.rr.com)

**Wanenmacher, John**

CYC

[johnwmx5@gmail.com](mailto:johnwmx5@gmail.com)