

- Instructions: 1. **Please attach sail measurement forms and cruising credit declarations to this form**
- Application will not be processed without owner and measurer signatures
 - Class rules regarding sails and penalties can be found at www.phrf-le.org
 - Note any modifications from original boat.
 - Attach any previous certificates or class measurement forms if available
 - Mail or e-mail completed form with fees to the PHRF office, normal process time is 3 weeks
 - New designs to PHRF-LE database require committee hearing resulting in a delay of certificate issuance



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ANNUAL MEMBERSHIP \$40 (US)

Owner Name			
Address			
City, State, Zip			
Yacht Club or USSA #	Email Address		
Home Phone	Alt Phone	Cell Phone	
Use Design Measurements:		BOAT INFORMATION	
LOA	Boat Name		
LWL	Sail #		
Beam	Class (i.e. Tart 30)		
Draft	Hull Ident. # i.e. BCCMM4149M84H stamped on stern;		
Displacement	Year Mfg.		
Ballast (lbs / kg)	Designer		
Ballast Material	Are there lifelines?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Is there a bow pulpit?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Where was the boat last raced or where did you purchase it? Boat Owner's name if known.

Engine	Inboard <input type="checkbox"/>	Outboard <input type="checkbox"/>	Sail Drive <input type="checkbox"/>	Retractable OB w/Plug <input type="checkbox"/>	
Propeller	In Aperture <input type="checkbox"/>	Exp Strut <input type="checkbox"/>	Strut Drive <input type="checkbox"/>	Sail Drive <input type="checkbox"/>	
Rig	Masthead <input type="checkbox"/>	Fractional <input type="checkbox"/>	Other <input type="checkbox"/>		
Rudder	Attached <input type="checkbox"/>	Skeg <input type="checkbox"/>	Spade <input type="checkbox"/>	Outboard <input type="checkbox"/>	
Prop Type	Folding <input type="checkbox"/>	Feathering <input type="checkbox"/>	Fixed 2 Blade <input type="checkbox"/>	Fixed 3 Blade <input type="checkbox"/>	Other <input type="checkbox"/>
Keel	Fin <input type="checkbox"/>	Full <input type="checkbox"/>	Centerboard <input type="checkbox"/>	Wing <input type="checkbox"/>	Shoal <input type="checkbox"/>

RIG-Use measured data:	
I	Jib - hoist to deck (vertical)
P	Main - hoist to gooseneck (vertical) to band on mast
E	Main - foot - gooseneck (horizontal) to band at max point
J	Jib - Mast to stem fitting (horizontal)
TPS	Sprit Length
SPL	Pole length -center of mast fitting to center of outboard pole fitting
ISP	Exit point for spinnaker halyard

Sail - Genoa	Age of Sails
L _p of largest headsail	Shortest distance clew to Luff (Perpendicular)
Roller furling foot roach	Depth at 1/2 distance - tack to clew

Sail - Main	Age of Sails
P	Max length from pin to pin on luff of sail
E	Main - foot - max length from pin to pin on foot

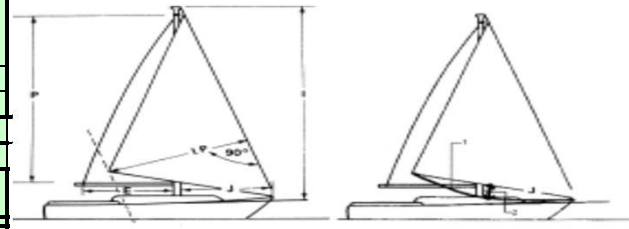
Sail Spinnaker	Include measurements of ALL Spinnakers; be sure to note age of the sail
SL	Luff Length
SF	Foot Length'
SMG	Width at widest point (.5 SMG depicted)
SLE	Leach length from clew to head (for asymmetrical spinnakers)
SLU	Luff length from tack to head (for asymmetrical spinnakers)

Measurer: _____ Date: _____
 Owner: _____ Date: _____

CRUISING CREDITS
CRUISING CREDIT APPLICATION MUST ACCOMPANY THIS FORM

Measurement from sailmaker MUST ACCOMPANY THIS FORM

- ROLLER FURLING CREDIT-FOOT ROACH NOT TO EXCEED 2% OF LP**
- CLASS 1 +3** - Two sails; one must be 110% or less; Mylar, pentex, polyester, Dacron , kevlar
 - CLASS 2 +6** -One headsail; woven Dacron or woven polyester; 4.5 oz. UV cover
 - 2 BLADE FIXED PROP CREDIT+6** In aperture props (i.e. Tartan 27) and sail drives do not qualify
 - 3 BLADE FIXED PROP CREDIT+12** In aperture props (i.e. Tartan 27) and sail drives do not qualify
 - ROLLER FURLING MAIN AT MAST +6**



Foot roach is defined as the extra sail area that falls below an imaginary horizontal straight line drawn from the tack to the clew.
 The foot roach measurement is the imaginary vertical line of the extra sail area from the midpoint of the sail.



NOTES
 Note there are both minimum and maximum mid-girth restrictions along with minimum limitations on spinnakers. Consult the class rules for additional details. Mainsails need further measurements including HB,MGT, MGU, MGM, MGL.

Modifications

HB	1"=0.08'
MGT	2"=0.167'
MGU	3"=0.25'
MGM	4"= 0.33'
MGL	5"= 0.42'
	6"=0.50'
	7"= 0.58'
	8"= 0.67'
	9"= 0.75'
	10"=0.83'
	11"= 0.92'
	12"=1.00'

The applicant acknowledges that all PHRF-LE activities are undertaken by volunteers using their own time and funds for the benefit of the company and its members, and in consideration of their efforts and the examination of my PHRF-LE application, does hereby waive, release and cancel any and all claims I may have against PHRF-LE, its officers, trustees, directors and committee members, measurers, agents and representatives arising out of the functions and activities of PHRF-LE and the actions of persons fulfilling the offices named above, and does further covenant agree not to sue or bring any claim of any nature whatsoever against PHRF-LE and all persons acting on its behalf.

MAINSAIL

Age of Sail _____

HB > of 0.5 or 0.04E

HB = _____

Leech 7/8 Point MGT = _____

0.22E_{max} = _____

Leech 3/4 Point MGU = _____

0.38E_{max} = _____

MEASURE FROM LEECH

TO NEAREST POINT ON LUFF

Leech 1/2 Point MGM = _____

0.65E_{max} = _____

P = _____

P_{max} = _____

Leech 1/4 Point MGL = _____

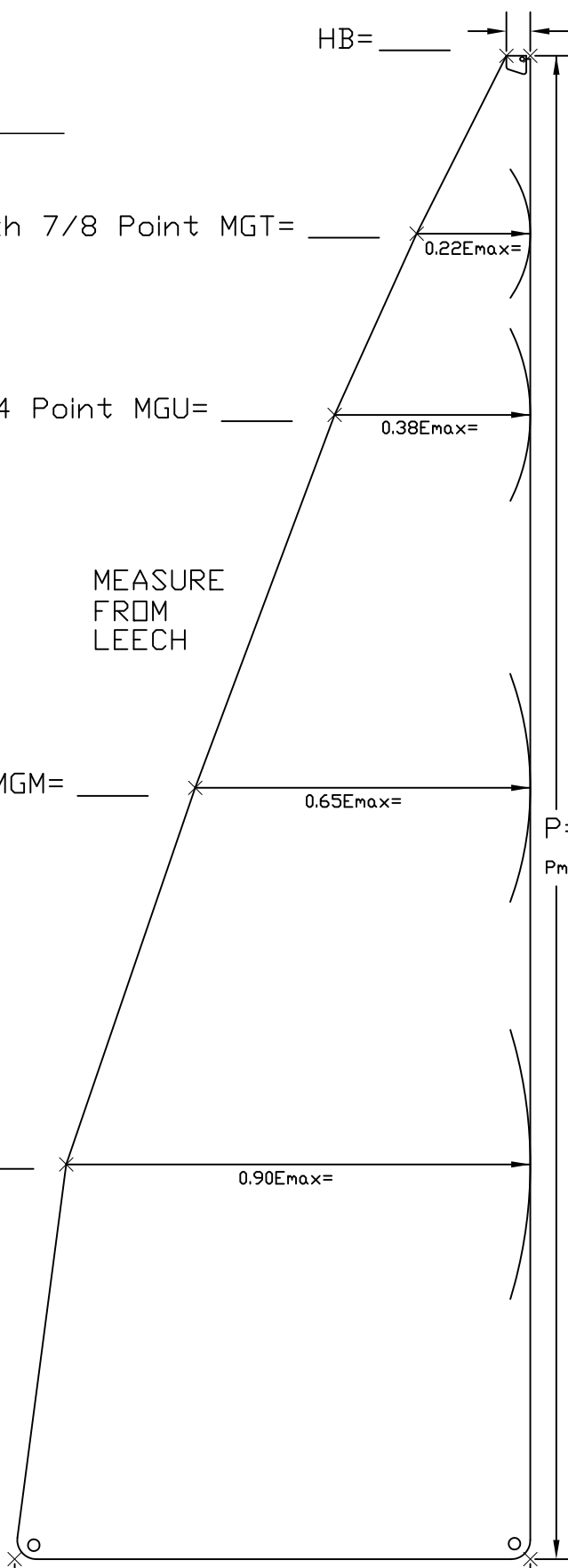
0.90E_{max} = _____

CLEW

E = _____

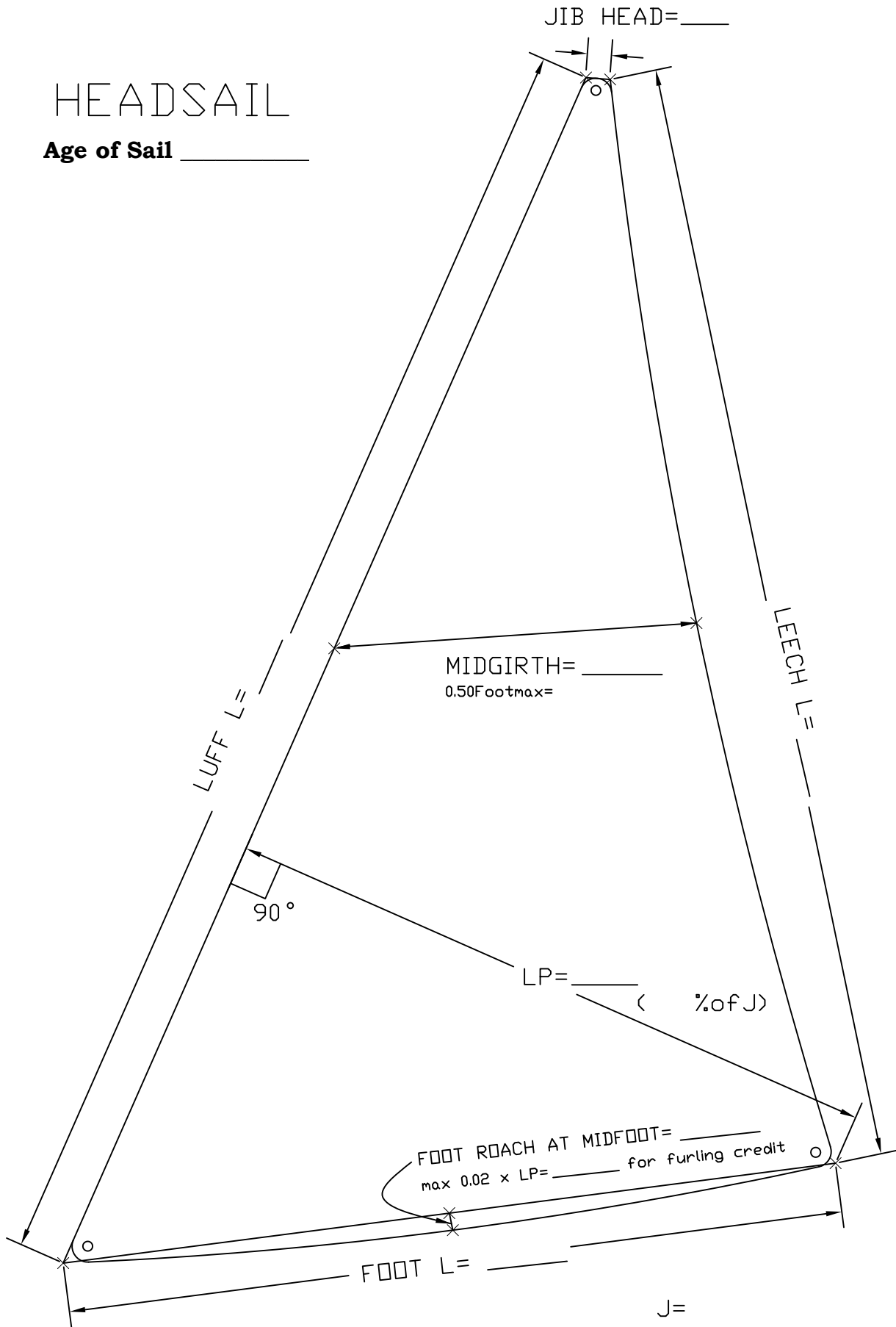
TACK

E_{max} = _____



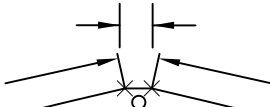
HEADSAIL

Age of Sail _____



SPINNAKER

HBS= _____



SLU= _____
SLU/2

SLE= _____
SLE/2

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

SMG (MIDGIRTH) = _____
 $> 0.75 \times FOOT$

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

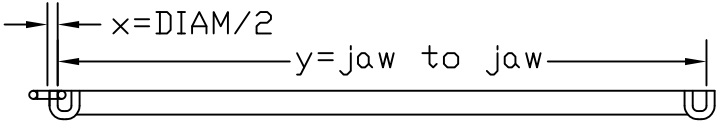
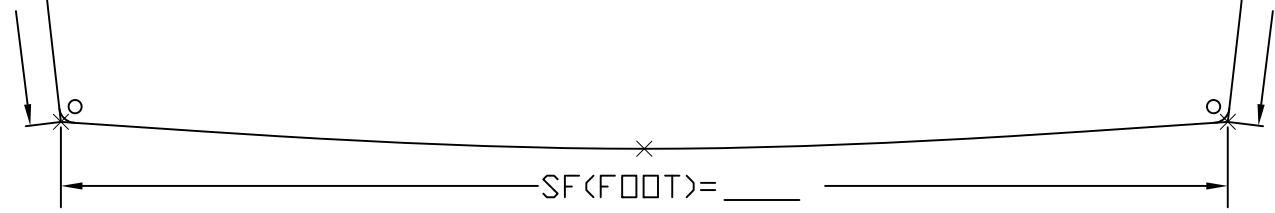
AMG (MIDGIRTH) = _____

SLU/2

SLE/2

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

SF (FOOT) = _____



J=
I=

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



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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 2nd 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 2nd 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 2nd 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, except battens will be allowed in jibs of 100% of J dimension or less
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 2 +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.

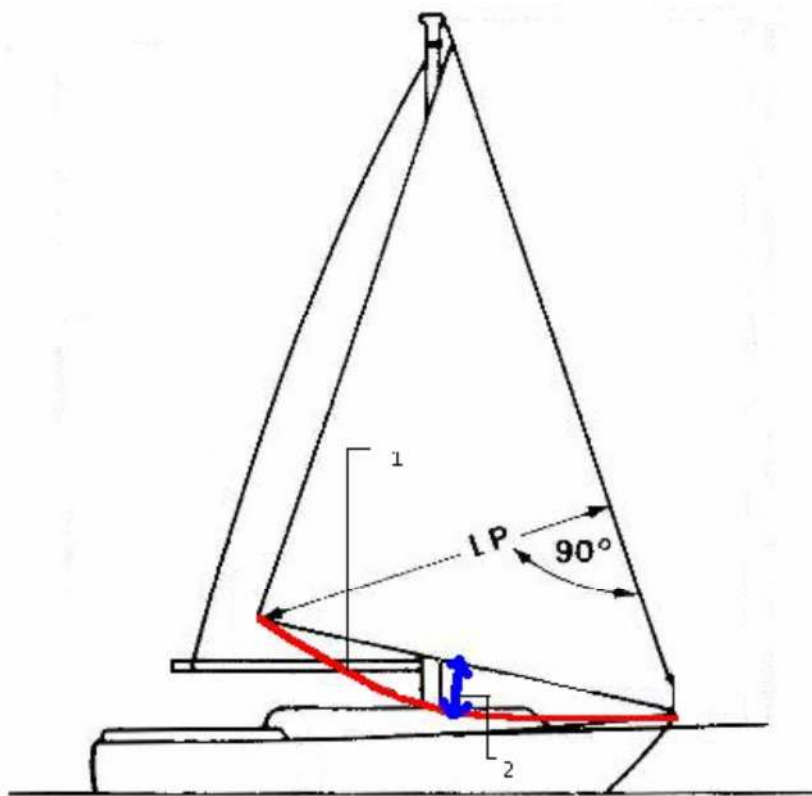
RF Credit- Class 1 +3 sec/mi

Boat is limited to using two headsails*; the 2nd 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

HOW TO MEASURE THE FOOT ROACH



Foot roach is defined as the extra sail area that falls below an imaginary horizontal straight line drawn from the tack to the clew.

The foot roach measurement is the imaginary vertical line of the extra sail area from the mid-point of the sail.