

Raider Sailboat One Design Class Association

RAIDER Sailboat Class Association
592 Birch Court
Sebastian, FL. 32958

Class Rules

3/12/2018

Section 1: Scope

1.0

These rules will apply to all competition in which the RAIDER sailboats are used as a "one-design" class sailboat in club, US Sailing or other sanctioning bodies. These rules will only pertain to the design, equipment attached to and carried on or used by the skippers and crews of the subject boats. They will not govern the operation of the vessel nor the rules that are used by the organizing body in the competition itself.

1.1

Builders and/or owners shall not attempt to violate the spirit or the letter of the rules by modifying existing yachts or producing new yachts with the intention that they be basically faster. The use of any design variation not specified in these rules which could influence the speed or performance of the RAIDER is prohibited.

1.2

Builders and owners shall consult with the RAIDER Class Association for a written ruling before attempting new forms of construction, modification and/or repair, which might affect the RAIDER's basic speed or performance.

1.3

Improvements. As a class grows, improvements in boat speed and boat handling are discovered. It is the responsibility of the class association and its directors to recommend and approve changes that will affect boat speed or performance. Changes in hull form of the Raider Sport or Turbo that will obsolete previously manufactured boats will NOT be allowed.

1.3.1

The Raider Sport (91.4) and Raider II Turbo (89.1) may compete together with appropriate US SAILING Portsmouth Handicaps applied. Raider II Turbo racing without spinnaker rates (90). Raider Sport racing without spinnaker rates (92.4)

Section 2: Hull and Blades

2.1 Hull

The hull and deck shall be a bonded assembly produced only from molds or dies that are property of or licensed by Drawbridge Marine Inc. The hull identification number attached to the hull as required by the United States Coast Guard must indicate that the

hull was built as a RAIDER sailboat and correspond with the records maintained by the builder or its duly authorized representative, replacement or licensee. Hull form templates will be made available as required from the manufacturer to insure conformance. Fairing, smoothing and repairing is permissible providing the section fits the template within .125”.

2.15 Weight

The completed hull void of all equipment will weigh a minimum of 200-lbs. Dry weight. Hulls that are underweight will be ballasted to comply with minimum weight requirements. Ballast shall be placed in the cooler or, for the Raider II, on the floor near the former location of the cooler compartment.

2.2 Dagger board

The dagger board shall have a length of no more than 48", a chord width of 1.25" and chord length of 12". Fairing, smoothing and repairing is permissible.

2.3 Rudder

The rudder shall extend 29.00" + or - .25" below the rearmost section of the hull when in the full down position. The chord thickness shall be .81 and the chord length shall be 9.00". Fairing, smoothing and repairing is permissible.

2.4 Tiller and Hiking Stick

As ergonomic requirements vary with skipper and crew (if used), any tiller and hiking stick combination may be used to suit individual requirements.

Section 3: Hardware and Lines

3.1 Hardware

All hardware that controls the location of the sails shall be located to not give any advantage other than originally intended or placed by the builder. Hardware may be replaced as to manufacturer and size to suit the user. Maximum advantage on boom vang is 6:1. All other controls may be increased or decreased as desired. Final cleating or securing position(s) for the main sheet, jib sheets, halyards, traveler, vang, outhaul etc. may be relocated to suit the user. Barber haulers for the jib may be utilized.

3.2 Line

All line may be replaced as to size and type to suit the individual user. Shock cord or shock cord attached to line for sail adjustment or any retaining purposes is permitted.

Section 4: Sails

4.0 Sails shall conform to the original design size as supplied by the manufacturer.

Only sails manufactured from polyester materials will be allowed. For sail measurement procedures see attachment. Jiffy reefing is permitted. A flattening reef is permitted.

4.1

Raider Sport: The mainsail may be a luff sleeve type or raised with a halyard utilizing a sail track. The sail shall conform to the diagram on page 7

4.15 Raider II and Turbo: The Mainsail and Jib shall conform to the diagrams on pages 5 and 6

4.2

All sails shall be measured in a dry state and laid on the floor with tension adequate to remove wrinkles along the dimension being measured. Except at the main headboard, the point of measurement at the corners of the sails shall be taken at the intersection of the extended lines of the extreme edges of the sail, including bolt ropes or tapes, but not including hoisting pendants, external cringles, etc. The top measuring point of the luff and leech of the mainsail shall be the highest point of the sail projected perpendicularly to the leading edge of the boltrope or luff sleeve. The measurement point of the tack shall be the intersection of luff and foot, disregarding any hollow around the area of the gooseneck.

4.5 Spinnaker: Raider Sport and Raider II Turbo

Spinnakers shall conform to the original design intent and size as supplied by the manufacturer. Spinnakers or screechers shall not be used as upwind jibs. Asymmetrical spinnaker halyard, turtle, sleeve and take down lines may be revised to suit the user. Only sails manufactured from .5 through .75 oz. Nylon material are allowed. The maximum luff length shall be 18' 7". The maximum foot length shall be 9' 3" and the maximum leech length shall be 15' 9". For spinnaker sail measurement procedures see attachment. Turbo models using a bowsprit shall not have the lower spinnaker luff attachment point extend more than 28" beyond the farthest fixed point of the hull (the deck flange) at the bow.

4.52 Roller furling gennaker (screecher). A furling gennaker can replace the normally equipped spinnaker on Raider Sport and Raider II Turbo models. The Upper mast mounted halyard block location may not be changed from standard. The sail dimensions shall not be larger than the standard spinnaker.

4.6 Whisker Poles: Whisker Poles are allowed on boats carrying a jib. Poles when in use shall be attached to the jib clew and the mast. Poles when stored may attach to the mast or boom or placed in the boat.

SECTION 5: Racing Restrictions

5.1

The Class Association may sanction races in both a novice (blue) and racing (gold) division. The following restrictions shall apply, except as noted, to all boats participating in races sanctioned by the Class Association, as provided in the by-laws.

5.15

Both spinnaker and non-spinnaker boats may race together in the same regattas as specified by the race organizers. It is up to the boat skipper to determine whether to use a spinnaker prior to the regatta start. Any boats carrying spinnakers at the beginning of a regatta or series will be considered spinnaker boats. Classes may be split for scoring as to spin / non-spin.

5.2

Class sanctioned Regattas

The individual identified as Skipper on the entry form shall be a Full Member in good standing of the RAIDER Sailboat Association and shall be on board for all Class sanctioned regattas unless a substitution is authorized in writing by the Race Committee.

5.3

Any member of the crew may take the helm at any stage of the race or event.

5.4

A helmsman who has raced in the blue division may change divisions during a season and participate in races held for the gold racing division. However, a helmsman in the gold division may not in the same season helm in the blue racing division. The intent of this rule is not to restrict a helmsman's opportunity to race, but rather to prevent an experienced helmsperson from dominating an event designed primarily to introduce less experienced sailors to the enjoyable aspects of sailing competition.

Section 6: Equipment

The following minimum equipment shall be carried always while racing.

6.1

An approved PFD for each person on board.

6.2

Such other equipment as may be required by law.

Section 7: Optional Equipment

7.1(rev 11/23/10)

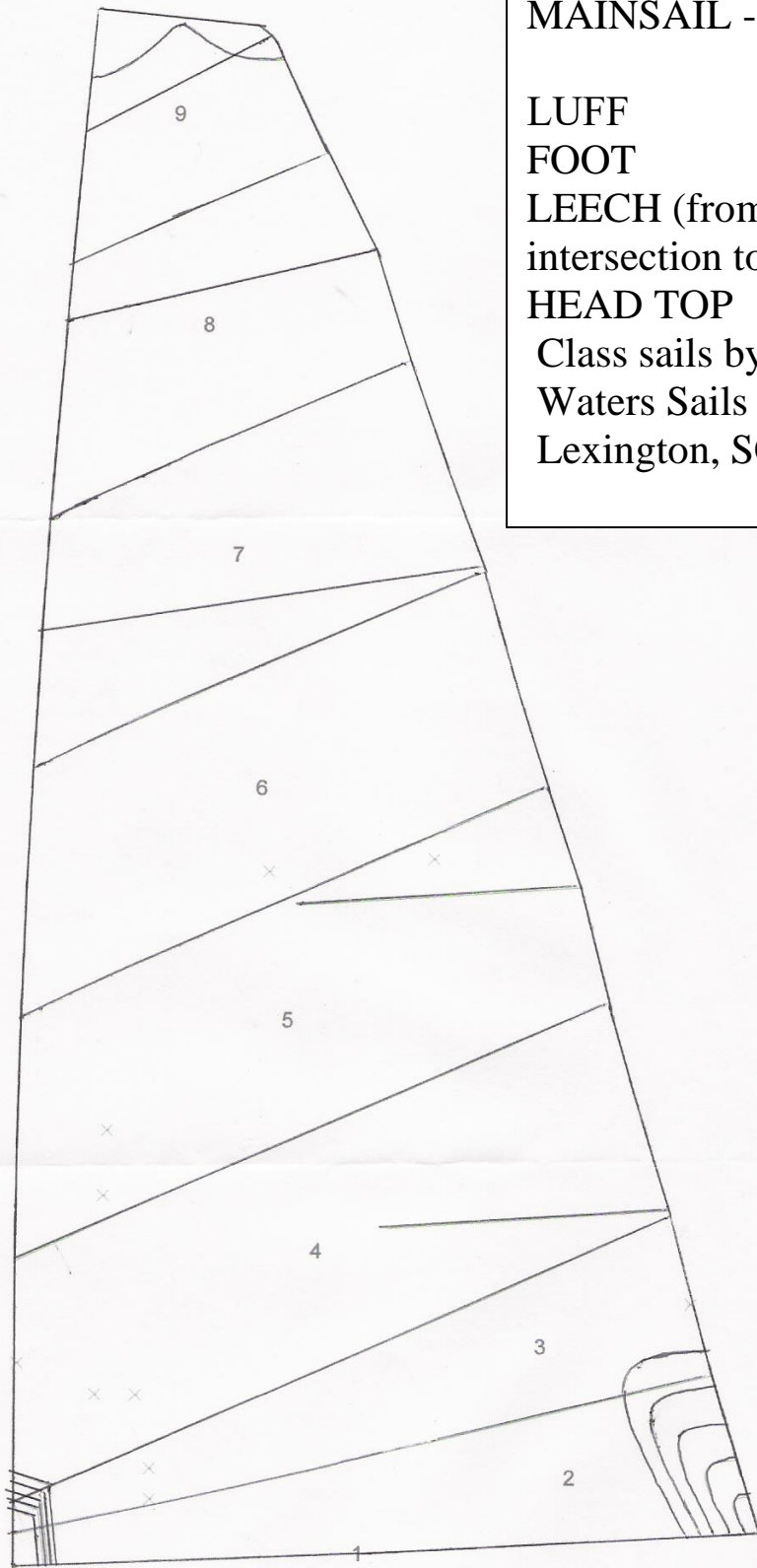
Any magnetic type compass may be used in regattas. Electronic or GPS type compasses that display headings, speed and or timing devices may be used

7.2

VHF radios and cell phones or other two-way communications are permitted.

7.3

Mechanical or electronic speed measuring devices are permitted.



MAINSAIL - RAIDER II

LUFF 18' 10 1/2"

FOOT 9' 1"

LEECH (from leech top
intersection to clew) 20' 2"

HEAD TOP 2'

Class sails by:

Waters Sails

Lexington, SC

RAIDER II Jib 3/24 2011
Luff 14' 4"
LP 5' 10"
Leech 13' 2"
Class sails by:
Waters Sails
Lexington, SC

