

It is recommended that these lines be marked on the board when doing any work on or near the edge.

2. Rudder - Per plan of any material. Maximum thickness to be  $7/8"$  and minimum of  $3/16"$ . Corner radii per plan. Center line of rudder stock to intersect rudder  $3\frac{1}{2}"$  plus or minus  $1/4"$  aft of top leading edge. Rudder to be raked not less than  $2\frac{1}{2}"$  or more than  $6"$  aft of rudder stock centerline. Corner angles can be altered as rake is increased to permit top edge of rudder parallel bottom of hull. Rudder must be fully shipped when racing. NOTE: It is intended that the rudder be shipped ONLY against the forward edge of the rudder well, nowhere else in the rudder well.

## ARTICLE VIII

### Rigging

1. Rigging - Shall be per plans. Standing rigging to be not less than  $1/8"$  in diameter. A  $1/8" 1 \times 19$  stainless steel recommended. Jib stay shall intersect mast from  $16'7"$  to  $17'$  above deck, not including deck trim and shall intersect deck not more than  $6"$  aft of foremost part of stem. Shrouds to intersect deck not more than  $98"$  or less than  $88"$  aft of foremost part of stem, measured along the center line of hull. Shrouds cannot be adjusted during race.

2. Spreaders - Optional with wood masts. Recommended with aluminum masts. Number and design optional. Location limited to triangular areas formed by mast, shrouds and deck. Recommended length  $17"$ . Location  $9'8"$  above deck.

## ARTICLE IX

### Sails

1. Sails are to be made to sail plan.

2. Mainsail - Width of sail at headboard cannot exceed  $4"$  excluding bolt-rope or provision for slotted mast. Luff and foot dimensions are controlled by spar stops (see Article VI). Recommended dimensions are Luff  $20'10"$ , Foot  $11'0"$ .

Leach maximum is  $22'3"$  measured to outside points of sail. Roach of leach shall have no concave sections.

Roach and draft will be governed by girth measurement as per plan. Maximum dimensions are: Top  $52"$ , Middle  $90"$ , Lower  $118"$ .

Angle of intersection of Luff and Foot is approximately 85 degrees. Loose-footed main not permitted. Lace Lines not permitted.

3. Jib - (For jibs made prior to January 1, 1972. These jibs may be used through the 1976 International Regatta; longer in local racing, with Fleet approval.) Maximum dimensions are: Luff 15'3"; Leach 12' 6"; Foot 7' 2" measured to the outside points of sail. Roach of leach shall have no concave sections.

If it is possible to stretch luff beyond 15' 3" then a permanent limiting wire must be installed to prevent stretching beyond 15' 3".

Roach and draft of the jib shall be governed by two girth measurements. The top measurement not to exceed 11 1/4" between points 1' down leach and 1' down luff from head of jib. The middle girth measurement not to exceed 51". The maximum roach shall not exceed 6" on the foot.

3a. Jib - (For any jib made after January 1, 1972.) Maximum dimensions are: Luff 15'6"; Leach 14' 2"; Foot 7' 6" measured to points of intersection of extensions of sail edges. Leach may be a straight line or a continuous concave curve, or, if battens are used, a series of straight lines between head, battens and clew. An S-curved luff is permissible.

Area control is by a maximum upper girth of 6" measured between points 12" down luff and leach from head, and a maximum mid-girth of 45" measured 7'9" down luff and 7' 1" down leach. (See Measurement Procedure.)

No Cunningham holes or similar devices allowed on jib.

Windows are optional; viewing window recommended.

Ordinary hardware fittings such as clew D-rings or head thimbles may extend beyond corner measurements.

#### 4. Sail Measuring Procedure:

##### A. Measuring Points - Definitions

- 1) Mainsail head - A point where the luff and the edge of the boltrope or a projection of it intersects the top edge of the headboard or a projection of it.
- 2) Mainsail clew - A point where the leach intersects the lower edge of the foot boltrope or a projection of it.
- 3) Mainsail tack - A point opposite tack grommet where luff edge of the boltrope intersects foot edge of the boltrope.
- 4) Jib head - (For jibs made prior to Jan. 1, 1972) The topmost point of the jib.
- 4a) Jib head - (For jibs made after Jan. 1, 1972) Intersection of the extensions of luff and leach.
- 5) Jib clew - A point opposite clew grommet where leach intersects foot.
- 6) Jib tack - A point opposite tack grommet where luff intersects foot.

- B. Measurements to be made with sailcloth stretched only sufficiently to eliminate wrinkles.
- C. Measure leach of mainsail with battens in.
- D. Mainsail girth measurements: points.
  - 1) Place head to tack - mark mid luff girth point.
  - 2) Place head to clew - mark mid leach girth point.
  - 3) Place head to mid luff point - mark top luff girth point.
  - 4) Place head to mid leach point - mark top leach girth point.
  - 5) Place tack to mid luff point - mark lower luff girth point.
  - 6) Place clew to mid leach point - mark lower leach girth point.
- E. Jib Girth Measurement: points.
  - 1) For jibs made prior to January 1, 1972.
    - a) Place head to tack - mark mid-luff roach point.
    - b) Place head to clew - mark mid leach roach point.
  - 2) For jibs made after January 1, 1972.
    - a) Lay out basic triangle on floor.
    - b) Mark girth points on floor triangle.
    - c) Lay head of jib on head of floor triangle and transfer girth marks to jib. (Same distance from head for all jibs. Do not fold jib to locate mid-girth.) It is not mandatory that all cloth of luff and leach fall within floor triangle.

F. Jib Foot Measurement

- 1) (For jibs made prior to January 1, 1972). No part of the foot shall extend beyond 6" from a line set between tack and clew.

- 5. Battens - Not more than four in mainsail. Maximum lengths - upper 2', middle 3', bottom 2' 6". Jib may have three battens, upper not over 8" and others not more than 12". Battens to be equally spaced between head and clew. Batten pockets may extend no more than 1" beyond battens. Any sail stiffener other than sailcloth is considered as a batten.
- 6. Sails to be of 3 oz. material or greater. Sails to be identified with yacht's number and Association emblem. Measurement acceptance mark showing date and Measurer's initial will be placed at tack of mainsail.