

- ARTICLE XI - SAILS

1. Sails for Class racing shall be limited to a mainsail and a class jib. The cloth weight shall not be less than three ounces.

2. SAIL LIMITATIONS

A. The purchase and measurement of sails shall be limited to one suit per boat in each calendar year. During the first calendar year of class competition, one additional suit of sails is allowed. In the event of a legal sale of a Cal 20 in its entirety, it's considered that the boat is newly registered and thus in its first calendar year of competition, which permits the purchase of an additional suit of sails.

B. In the case of loss or damage to sails, the owner may petition the Executive Committee for permission to purchase a replacement sail or sails. The owner may also petition the local Fleet to use sails to complete a regatta when damage or loss has occurred.

C. A Cal 20 which crosses 36 degrees North Latitude or 135 degrees West Longitude in either direction to compete in the Class Championship may acquire an additional suit of sails for that purpose.

D. Fleets shall be responsible for making suitable provisions to govern use of sails in local races.

E. All sails shall be measured and stamped prior to use. They shall be stamped on the starboard tack of the sail by the Fleet Measurer with the official Cal 20 stamp. The Fleet Measurer shall include his initials within the insignia, plus the date the sail was measured, date of acquisition, and the hull number. The Chief Measurer shall issue these stamps to all certified Fleet Measurers. Sails which are not stamped, and have the proper information recorded, shall be considered illegal. The Fleet Measurer shall also keep a record of this data.

F. The Cal 20 sail insignia shall be a 15 inch (outside diameter) letter "C" of a two-inch strip width. It shall contain the number "20" in figures 6 inches high and one inch wide. The insignia shall be placed on both sides of the mainsail between the two upper battens. The Cal 20 hull number or USSA sail number shall appear on both sides of the mainsail below the Class insignia in numerals at least 10 inches high.

3. SAIL MEASUREMENTS

A. All sail measurements shall be made with the sail stretched sufficiently to remove wrinkles.

B. It is the intent of all sail measurements to prohibit any abnormalities or gadgets intended to increase sail area, such as an indentation on the leech at the point of girth measurement. Any deviation from this stated intention shall be cause for disqualification.

4. MAINSAIL -- The following rules apply to all mainsails used in competition after January 1, 1999.

A. While racing, the mainsail shall not be stretched beyond the inner edges of the mast or boom bands.

B. The leech dimension, measured in a straight line from the head point to the clew point, shall not exceed 24 feet, 10 inches.

C. Girth measurements shall be measured as the shortest possible straight-line distance swung across the mainsail. They shall not exceed the following measurements when taken from the outer edge of the boltrope to the edge of the leech:

1/4 Girth: 8 feet, 7 inches

1/2 Girth: 6 feet, 5.5 inches

3/4 Girth: 3 feet, 9 inches

D. Leech Measurement points:

1. The head point is the intersection of the luff at the outer edge of the bolt rope (extended if necessary) with the highest point of the sail, measured 90 degrees to the luff.

2. The clew point is the intersection of the foot and the leech, each extended if necessary.

3. The leech half point is found by folding the head point to the clew point and applying equal tension to the two halves of the leech. The quarter and three-quarter points are found by folding the clew point and the head point to the leech half-point and applying equal tension.

4. Locating a corner measuring point may require the extension of the line of the edges of the sail adjacent to that point. Placing a batten along the edge can often help establish this extension.

5. The position of leech points may be affected by hallows. Where a hallow of more than 3/8 of an inch exists in the vicinity of a measurement point, the sail shall be flattened in that area and the hallow bridged by a straight line. A batten may be useful in establishing that straight line.

E. The head shall have a maximum width of 4.75 inches measured perpendicular to the luff or its extension, including the bolt rope and headboard. The headboard must not exceed 3.625 inches.

F. Upper and lower battens shall not exceed 24 inches. The two intermediate battens shall not exceed 26.5 inches.

G. The use of shock cord, or any similar device in place of or in addition to the normal mainsail bolt rope is prohibited.

H. The cunningham hole shall not be more than 9 inches from the tack. This is measured from the bottom edge of the cunningham grommet to the bottom edge of the foot bolt rope.

I. An adjustable leech cord to control the leech of the main is permitted.

J. Loose footed mainsails are not allowed.

5. CLASS JIB

A. The mid-girth of the jib, measured from the mid-points of the luff and leech, shall not exceed 50% of the length of the foot, and any other intermediate girth do not exceed a value similarly proportional to its distance from the head of the sail.

B. The maximum width of the head shall not exceed 2 inches. The head shall be construed as a line projected perpendicular from the luff to the bearing point of the head ring to the leech.

C. The luff, measured from the head of the sail to the bottom of the sail at the tack, shall not exceed 20 feet, 2.25 inches.

D. The leech, measured from the head of the sail to the bottom of the sail at the clew, shall not exceed 18 feet, 2.25 inches.

E. Maximum luff length is 20 feet, 6 inches, from the bottom of sail at the tack to the intersection of the projected luff line with the projected leech line.

F. The luff-to-clew dimension (LP), from the edge of the sail at the clew to the edge of the sail at the luff, measured perpendicular to the luff, shall not exceed 8 feet, 5 inches.

G. The foot roach shall not exceed 10 inches measured from the edge of the sail to a straight line between the tack and clew intersection, and must follow a fair curve.

H. The jib shall be attached to the forestay with hanks not closer than 12 inches and not further apart than 60 inches. If cloth hanks are fitted, they shall not be wider than 1.5

inches. The use of zipper luffs or other techniques to fully enclose the headstay shall not be permitted.

I. The jib leech may be supported by a maximum of three equally spaced battens, each with a length of not more than 12 inches.

J. The leech of the jib may not be convex.

K. Adjustable leech and foot cords are permitted.