

# MARSHALL 18' "SANDERLING" SAIL SPECIFICATIONS FOR BBYRA COMPETITION

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## COMMENTS

These rules and specifications were set up by J.F. Van Horn of the Bay Head YC in 1982 for the 18' Sanderling designated B Class for BBYRA Competition. Revised 10/25/87.

DATE OCT. 24, 1989

## A. GENERAL

1. Sails shall be gaff rigged.
2. The weight of cloth specified refers to the sailmaker's yard (28 1/2" width). It is a limitation upon the weight of cloth and not on width.
3. Cringles, rings, grommets - inside diameter, 3/4 inch maximum.
4. Corner patches, defined as multiple layers of material, are permitted. No part of the patch shall extend beyond the respective corner measurement point further than the maximum dimensions indicated.
5. The official measurer may use official patterns or templates for the purpose of measuring main sails. Any sail which does not exceed the maximum dimensions of the template or pattern may be considered to have satisfied the measurement requirements.
6. Tensioning devices; cunningham or flattening reef are not permitted. Leech lines are permitted.
7. No head boards, clew boards or D rings are permitted.
8. The standard sail may have 3 rows of reef points, one row is required, each at 3'6".
9. Seven (7) grommets for attachment to mast rings are required and evenly spaced on the luff between the tack and throat.

## B. MAINSAIL

1. Material and weight.
  - a. Cloth to be woven only with the exclusion of yarn tempered and Mylar.
  - b. Minimum weight of cloth 5.25 (oz.).
2. Method of measuring dimensions.
  - a. Measurement points.
    1. HEAD - the intersection of inside edge of bolt rope or extension and line perpendicular thereto, passing through the highest point of cloth.
    2. CLEW - outhaul end of sail at inside edge of bolt rope.
    3. TACK - where luff and foot or their extension meet.
    4. THROAT - the enter section of luff and gaff.
  - b. Luff taken from a fair lay of cloth.
  - c. Foot and gaff measured with sufficient tension to straighten cloth and remove wrinkles along bolt ropes.
  - d. Leech Tension: —
  - e. Girth. (the fair lay of cloth between two points, found as follows):
    1. Mid-girth - measured by folding head to clew to determine mid-leech and measuring from mid-leech to throat.
    2. Upper-girth - measured by folding head to throat to determine mid-gaff and folding head to mid-leech to determine quarter-leech. The measurement between these two points is upper girth.
    3. Lower-girth - measured by folding tack to throat to determine mid-luff and folding clew to mid-leech to determine quarter-leech. The measurement between these two points is lower-girth.
    4. Vertical-girth - measurement is taken from the head to mid-foot, found by folding clew to tack.
    5. The girth measurement is taken from the inside edge of bolt rope to the outside edge of leech. Lower-girth is from outside edge of cloth at luff to outside edge of leech.

### C. DIMENSIONS

1. Luff - 11 ft., 11 inches max.
2. Leech - 28 ft., 6 inches max.
3. Foot - 18 ft., 8 inches max.
4. Gaff - 14 ft., 4 inches max.
5. Diagonal - 21 ft., 3 inches max.
6. Girths - Upper - 6 ft., 5 inches max.  
Mid - 11 ft., 10 3/4 inches max.  
Lower - 15 ft., 9 1/2 inches max.  
Vertical - 26 ft., 4 3/4 inches max.

### D. DEVICES FOR HOLDING OUT ROACH

1. Main battens shall divide the leech in five (5) equal parts,  $\pm$  2 inches.
  - a. Four (4) battens are to be standard.
  - b. Lengths of battens are to be:
    1. Top - 24 inches max.
    2. Upper-middle - 30 inches max.
    3. Lower-middle - 30 inches max.
    4. Bottom - 27 inches max.
  - c. Width of battens - 1 1/2 inches max.

### E. FAIR CURVE

The outside edge of the leech of the mainsail shall be cut to a fair curve. Lacking a precise definition of a fair curve, the Rules Committee will consider it to be a curve of relatively constant curvature. Abrupt change in the curvature in an attempt to carry additional sail area in the roach and still maintain the girth measurements will be considered a breach of the rules and the sail will be disallowed.

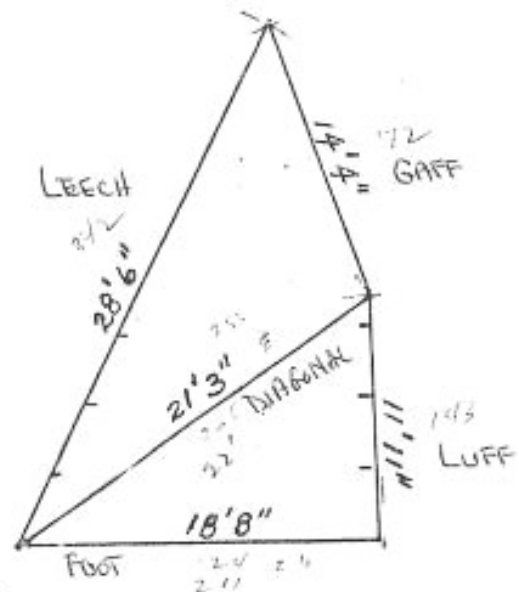
### F. SAILMAKER GUIDELINES

The Sailmaker should develop a set of patterns from which the mainsails shall be cut. All sails will then be uniform in overall dimensions, girths, and camber. No sails will be furnished to an individual which deviate from the standard patterns. The Sailmaker will be supplied with BBYRA labels. Each new sail produced by the Sailmaker will have a label sewn on the sail in the tack area certifying that the sail conforms to the BBYRA Sanderling Racing Sail Specifications.

### G. SAIL LAYOUT (18' Sanderling Mainsail)

4 Battens on leech  
(Refer to section D for length & placement)

3 Rows Reef Points at 3 ft., 6 inches each.  
(one reef point is required)



# MEASUREMENT PLAN

