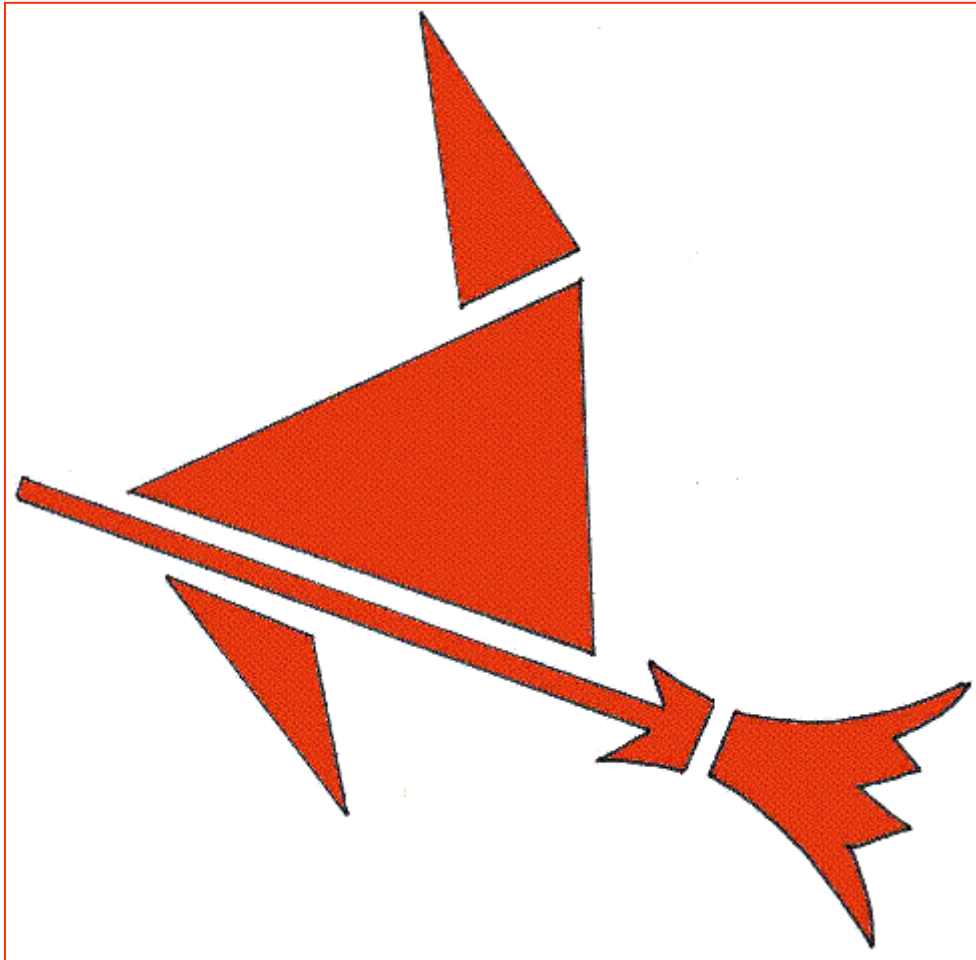


Red Witch Yachting Association

Class Rules

September 1999 Edition



**APPENDIX TO THE CONSTITUTION OF THE
RED WITCH YACHTING ASSOCIATION**

RED WITCH CLASS RULES

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1 - 14 September 1999

CLASS RULE AMENDMENTS

	DATE	MEETING	REVISION
1.	Dec. 1975	Inaugural Meeting	Original Constitution and Rules
2.	12/07/76	A.G.M.	Rule 6.1 - Amended Rule 17.4 - Amended to limit spinnakers to one
3.	23/05/77	A.G.M.	Rule 17.3 - Rewritten to include second headsail
4.	1978	A.G.M.	Rules 15 & 17 - General change
5.	1979	A.G.M.	Rules 9 & 10 - Add heirs and successors to Hill & Cameron Rule 20 - Amended to comply with 1977-81 A.Y.F. Rule Book
6.	10/06/81	A.G.M.	Rule 4 - General Amendment to Measurement procedure to make measurement easier to arrange and control Rules 5 & 6 - Minor Amendments to comply with change Rule 17.1 - Only one mainsail to be registered Rule 17.3 - Spinnaker rule revised
7.	15/09/81	S.G.M.	Rule 17.2 - Headsail rule revised
8.	23/06/82	A .G.M.	Rule 17.3 - Spinnaker rule revised
9.	31/07/84	A.G.M.	Rules 13.2 & 14.2 - Added to prevent hiking out. Rule 19.3 - Added to define crew position. Rule 17.2.1 - Foot measurement changed to jib perpendicular
10.	30/07/85	A.G.M.	Rule 15.1.3 - Added to define and locate spreaders Rules 16.1 & 16.2 - Rigging defined
11.	25/11/86	S.G.M.	Rule 4.1 - Amendments to define measurement procedures Rule 10 - Amended to allow only standard keels Rule 15 - Amended to exclude tapered spars Rule 17.1 - Defines luff and leach measurements Rule 17.2 - Allows 3 headsails to be registered Rule 17.4 - Defines sails allowed on board for championships Rule 17.5 - Change 'sewn' to 'attached'

	DATE	MEETING	REVISION
12.	25/07/88	A.G.M.	<p>Rule 9 - Limits hull construction to fibreglass</p> <p>Rule 11 - Prevents use of exotic materials in rudder construction</p> <p>Rule 12 - Deletes requirement for mattresses</p> <p>Rule 13.1 - Prevents use of linked electronics</p> <p>Rule 14.1 - Corrects ambiguity</p> <p>Rule 15 - General amendments to spars</p> <ul style="list-style-type: none"> * no exotic materials * mast section and position specified * measurement band changed * spreader specified * boom length deleted <p>Rule 16 - Prevents use of headfoils</p> <p>Rule 17.1 - Changed to comply with Rule 15</p> <p>Rule 17.2.1 - Defines headsail luff measurement</p> <p>Rule 17.3 - Headsails to be attached</p> <p>Rule 20.2 - Adds requirement for boarding ladder</p>
13.	15/08/89	A.G.M.	<p>Rule 11 - Rudder Dimensions added</p> <p>Rule 13.2 - Deck layout - Safety harness allowed</p> <p>Rule 16.1 - Standing Rigging - preventors</p> <p>Rule 16.2 - Running Rigging - optional</p> <p>Rule 17 - Headsails - amended to include storm jib</p> <p>Rule 17.5 - Colour changed to current Australian Standard. (Ratified)</p> <p>Rule 20 - Safety - changed to comply with Part 3</p> <p>Rule 20 - Amended to comply with 1985-89 A.Y.F. Rule Book. (Ratified)</p>
14.	17/09/94	A.G.M.	<p>Rule 20 - Safety - Rewritten to comply with 1993-97 Rule Book - YAWA Inshore Safety Regulations</p>
15.	2/07/97	A.G.M.	<p>Rule 17.1 MAINSAIL</p> <p>Subrule 17.1.4 amended to define batten locations.</p> <p>Subrules 17.1.6 and 17.1.7 added.</p> <p>Appendix to Class Rules added - Method of Mainsail Measurement showing diagrams of method of folding sail, clew, MGU & MGM and headboard.</p> <p>Rule 17.3 SPINNAKERS</p> <p>Delete Appendix to Class Rules showing Method of Spinnaker Measurement.</p> <p>Subrules 17.3.2 and 17.3.3 added.</p>
16	7/9/99	A.G.M.	<p><u>To be ratified at the next General Meeting.</u></p> <p>Rules 4.1, 4.2, 4.3, 17.1, 17.2, 17.3 & 19.2 - All modified to delete reference to National Status following approval of change of name to the "Red Witch Yachting Association". See Constitution Clause 1.</p>

RED WITCH CLASS RULES

R. GENERAL

1. Intent

The Red Witch is designed as a fast trailer-cruiser yacht suitable for safe family cruising as well as racing. These specifications are aimed at retaining the basic characteristics of the Red Witch as a safe family cruiser whilst at the same time allowing an owner reasonable scope to improve the performance of his yacht by means of minor alterations and additions. It is intended that all Red Witch yachts should be substantially the same and that no owner should enjoy an advantage in performance by reason of any alteration or addition which is not readily available to all other owners or which is in any way detrimental to the basic characteristics of the Red Witch Class yacht.

2. Application

These specifications shall apply to all yachts taking part in races for Red Witch Class yachts.

S. MEASUREMENT

3. Measurers

Official Measurers, nominated by State Associations, shall be appointed by the Management Committee. The Measurers shall adhere strictly to the Instructions issued to them by the Management Committee, which may terminate any appointment at their discretion. They shall submit all measurement action through the Chief Measurer.

4. Measurement Procedure

4.1 Each yacht before the first heat of the State Championship, the dates of Measuring Days shall be announced in Witchtalk, giving members four weeks notice.

4.1.1 Metropolitan Members: One Measuring Day shall be set for the measuring and stamping of sails of members in the Metropolitan area, including Rockingham. A second Measuring Day shall be arranged for those members whose sails failed the first measurement and required alteration.

4.1.2 Country Members: Measurement and stamping of sails for Country members shall be at the discretion of the Chief Measurer.

4.1.3 Late Measurements: All requests for late measurement and stamping of sails shall be granted and shall be made by special arrangement with the Chief Measurer. However, such late arrangements shall attract a penalty fee of \$5.00 per sail.

4.1.4 Previously Measured Sails: Sails measured and stamped for previous Championships may be presented for re-stamping without measuring, along with an Owner's Declaration that the sails are unaltered. However, the previously measured sails of new owners shall always be re-measured and the decision to re-stamp without re-measuring shall be at the discretion of the Chief Measurer at all times.

4.1.5 Approved Measurement Forms: A Measurement Form shall be duly signed by the Owner and checked and approved by the Chief Measurer, or his deputy, before it is an approved Measurement Form.

- 4.2 Every yacht nominating for the State Championships shall have an approved Measurement Form at the time of nomination.
- 4.3 After a State Championship Heat any yacht may be checked by the Chief Measurer or his Delegate.
- 4.4 After the registration of a new yacht or the transference of ownership of a yacht in pursuance of Constitution Clause 15 the owner may apply for a Class Certificate.
- 4.5 Upon replacement of sail or repairs of extensive damage to the hull and/or sails of a previously registered yacht the owner shall notify the Association of the circumstances in writing.
- 4.6 Following 4.4 or 4.5 the Association shall advise the Owner of the name and address of a Measurer and it shall be the responsibility of the Owner to effect a mutually convenient arrangement with such Measurer to inspect, measure and report to the Chief Measurer upon the boat as to its suitability for the awarding of a Class Certificate as provided for in Class Rule 7. No fees shall be payable for measurement but the Owner shall meet all reasonable travelling and out of pocket expenses incurred by the Measurer.

5. Measurement Forms

The Management Committee will cause to be prepared and distributed as necessary a Measurement Form which lists Registration Number, Measurements, tolerances, features, etc, which may from time to time be deemed by the Association to be necessary to determine whether any yacht is acceptable to the Association for certification as a Red Witch.

6. Registration

- 6.1 All yachts registered with the Association shall be issued with a Registration Number which shall be affixed to the yacht, and which shall remain with the yacht for all time regardless of ownership.
- 6.2 The Chief Measurer shall distribute the original approved Measurement Form to the yacht owner after he has made a photocopy for his own records.

7. Class Certificates

7.1 'A' Class Certificates

'A' Class Certificates shall be granted by the Management Committee to all yachts which conform to these Class Rules (subject to any modification agreed to by the Association) and which pass measurement within tolerances laid down in the Measurement Form of the Association.

7.2 Withdrawal and Restoration of Class Certificate

The Management Committee shall have power to withdraw, alter or restore a Class Certificate, on the recommendation of the Chief Measurer, when there has been a change in the condition of the boat or when re-examination shows that the original Certificate was inappropriate.

7.3 Provisional Certificates

If, in the opinion of the Measurer, a boat does not meet the requirements for a Class 'A' Certificate then the Measurer may authorise the Registrar to issue a Provisional Certificate should the deviation from the standard be such that it will, in the opinion of the Measurer, not substantially alter its performance. Such boats may race at the discretion of the Officers of the Association.

8. Sail Numbers

If no Club sail number is available to a registered boat the Association shall issue a sail number. Such numbers shall comprise the registration number of the boat prefixed by the applicable State number as the first of four digits.

for example :- Boat Registration No. 59
for a W.A. boat the sail No. is 6059
for a N.S.W. boat the sail No. is 2059

T. SPECIFICATION

9. Hull

Hull and deck mouldings shall be standard Red Witch mouldings manufactured in fibreglass and resin by Hill & Cameron Pty. Ltd. or their heirs or successors to the Red Witch moulds and/or their appointees. No carbon fibre, kevlar, titanium alloy or honeycomb material is to be used in the construction of hull and deck mouldings.

Main dimensions shall be as follows:-

LOA: 5.92 metres (19 feet 5 inches) measured from the foremost point of the bow or stem fitting to the after-most point of the transom, excluding the rudder.
Beam: 2.26 metres (7 feet 5 inches) measured outside the rubbing strakes.

Bowsprits, bumpkins and other outriggers designed to extend the effective dimensions of the hull are prohibited.

10. Keel

The keel shall be the standard Red Witch cast iron keel as produced for Hill & Cameron Pty. Ltd. or by their heirs or successors to the Red Witch moulds, by their selected foundry.

11. Rudder

11.1 No carbon fibre, kevlar, titanium alloy or honeycomb material is to be used in the construction of the rudder. Wings and appendages below the transom tip are not permitted.

11.2 The maximum distance from the tip of the transom to the bottom of the leading edge of the rudder below the water line shall not exceed 860mm.

11.3 The leading and trailing edges shall be parallel below the water line.

11.4 The width, measured at right angles to the leading edge of the rudder below the water line, shall be 240mm minimum to 280mm maximum.

11.5 The rudder section shall be no less than 30mm at its maximum thickness at the pintles, and may taper to no less than 20mm at its maximum thickness below the water line.

11.6 The leading edge of the rudder shall be parallel to the rake of the transom.

11.7 No part of the immersed leading edge shall be forward of the transom tip.

NOTE: Rules 11.2 to 11.7 apply to all rudders fitted after the 1989 A.G.M. Dispensation shall be given to only one rudder for each yacht not conforming.

12. Interior

Water-tight buoyancy compartments shall be provided under and for the full length of four adult size bunks.

13. Deck Layout

13.1 Linked electronics are not permitted.

13.2 Wires, ropes, trapezes or similar devices, except for safety harness and lines, shall not be fitted to the yacht as assistance to the helmsman or crew in leaning or hiking out.

14. Cockpit

14.1 Cockpit must be self-draining with a drain equivalent to not less than 45mm (1¾ inches) diameter outlet.

14.2 Toe straps may be fitted to the edge of the seats between the after locker and the traveller rail for the benefit of the skipper and crew when sitting on the coaming.

15. Spars

All masts and main booms shall be fabricated from extruded parallel aluminium sections. Tapered masts and main booms are not permitted. This requirement will become mandatory as at 1st July 1988. No carbon fibre, kevlar, titanium alloy or honeycomb material is to be used in the construction of the spars.

15.1 Mast

All masts stepped after 25th July 1988 shall have a minimum section of dimensions 88.9 x 59.5mm and a minimum mass of 1.503 kg/metre.

15.1.1 The height of the mast shall not exceed 6.15 metres measured from the surface of the deck moulding at the mast step to the upper extremity of the mast head fitting.

15.1.2 The mast measurement band shall be permanently marked in a contrasting colour to the mast. The distance between the upper edge of the mast band and the top of the deck moulding, at the mast base, shall be no less than 380mm.

15.1.3 The mast shall have one pair of shroud spreaders each 510 mm maximum and 500 mm minimum length, from the outer end to the side of the mast section. The centreline of the spreader base shall be located between 3.00 and 3.01 metres above the base of the mast step.

Note: The spreader height nominated in 15.1.3 shall apply to all new and replacement masts stepped after the 1985 A.G.M. A continuing dispensation is granted to all new and replacement masts existing before the 1985 A.G.M.

15.1.4 The distance between the front of the mast base moulding and the forward face of the mast section shall not exceed 70 mm.

15.2 Boom

A measurement band shall be permanently marked in a contrasting colour on the boom. The distance between the inner edge of the boom measurement band and the after edge of the mast rope groove shall not exceed 2.75 metres.

15.3 Spinnaker Boom

When the spinnaker boom is attached to the mast no part of the spinnaker boom, including fittings, shall be capable of extending more than 2.85 metres from the forward face of the mast.

16. Rigging

16.1 Standing Rigging

Standing rigging shall comprise:-

- * One Main Forestay on which headfoils are not permitted, except when used with roller furling gear.
- * One Inner Forestay, which may be fitted with a tensioning device. A preventor is optional and may be adjustable. If fitted, it shall be affixed to the spinnaker pole attachment on the mast and to the inner forestay deck fitting.
- * One pair of Main Shrouds.
- One pair of After Lower Shrouds.
- One or Two Backstays, which may be fitted with a tensioning device.

16.2 Running Rigging

Running Rigging is optional except that a spinnaker chute shall not be used.

17. Sails

17.1 Mainsail

Only one mainsail shall be registered for State Championships.

17.1.1 The luff of the mainsail shall not exceed 5.55 metres. This requirement will become mandatory at 1st July 1988.

17.1.2 The leach of the mainsail shall not exceed 6.05 metres when measured in a straight line from corner to corner. This requirement will become mandatory at 1st July 1988.

17.1.3 No part of the mainsail shall extend beyond the inner edge of the boom measurement band.

17.1.4 There shall be four battens none of which shall exceed 900 mm in length.

The four battens shall be equally spaced down the length of the sail with ± 100 mm tolerance on the centres.

The centreline of the top batten pocket shall be located at a minimum distance of 1145 mm from the head of the sail. The length of the top batten pocket measured from the inside of the boltrope and along its centreline shall be 900 mm.

17.1.5 No part of the tack of the mainsail shall extend below the upper edge of the mast measurement band.

17.1.6 The Mainsail girths shall be located as shown in the Appendix to these Class Rules and shall not exceed the following dimensions -
MGU 1010 mm. MGM 1745 mm.

17.1.7 The headboard width (HB) shall not exceed 130 mm when measured in accordance with the Appendix to these Class Rules.

NOTE. Any existing approved mainsail is allowed for the life of that mainsail.

17.2 Headsails

Only two headsails and a storm jib shall be registered for State Championships.

17.2.1 The jib perpendicular of any Headsail shall not exceed 3.36 metres and the luff shall not exceed 6.50 metres.

17.2.2 The storm jib shall not exceed 5 square metres in size and have a maximum luff length of 4.55 metres.

17.2.3 The dimension shall be established when the sail is laid flat on the floor and free from wrinkles.

17.2.4 Headsails shall not be used unless attached to the forestay.

17.3 Spinnakers

Only two spinnakers shall be registered for State Championships.

17.3.1 A spinnaker shall be symmetrical about its vertical centre line.

17.3.2 Maximum width - When folded in half along the centreline the maximum width from centreline to luff shall not exceed 2.250 m.

Maximum Luff - When held so that the cloth is straight without wrinkles the maximum luff length shall not exceed 6.800 m.

17.3.3 Unless re-cut a spinnaker will only require measuring once during its lifetime.

NOTE: All existing stamped spinnakers will measure in accordance with this rule.

17.4 Sails for a Championship Series

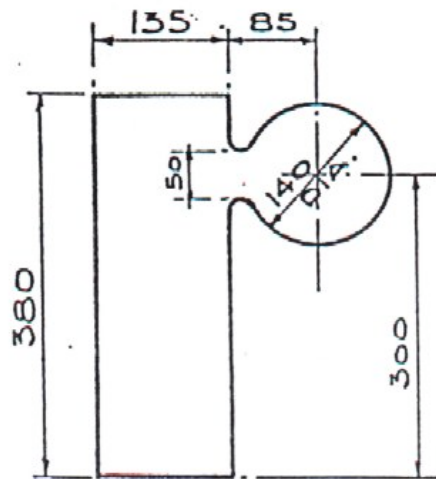
17.4.1 Sails allowed on board

Except for a stormsail, only sails which have been registered and stamped for the Championship Series shall be carried on board.

17.4.2 Damage to Sails

If, during a series, a sail is damaged beyond repair, it may be replaced with one other sail at the discretion of the Chief Measurer or his deputy.

17.5 The official insignia shown below shall be attached 'back-to-back' on the mainsail approximately 1.2 metres (4 feet) from the head. The colour shall be blue approximating to colour B21 of the Australian Standard 2000-1985.



U. SAILING RULES

18. Eligibility to Race

18.1 Yachts with an 'A' Class Certificate.

A yacht with an 'A' Class Certificate shall be eligible to compete in all events organised by or on behalf of or under the Rules of the Association. Winners of Association events may be required to submit their boats for re-measurement.

18.2 Yachts with Provisional Certificates.

A yacht with a Provisional Certificate may be eligible to take part in races at the discretion of the Management Committee.

19. Crew

19.1 All Races

In all races under Association Rules the crew shall be at least two. One member of the crew must be a member of the Association. The other member of the crew must be 12 years of age or over.

19.2 State Championships.

In heats of the State Championships, the Skipper, unless the owner of the boat, shall have:-

19.2.1 Sailed in at least 3 races under the regulations of the authorities stipulated in Clause 3.3 of the Constitution.

OR

19.2.2 Answered correctly 9 out of 10 questions selected at random from the Association Skipper's Test Questionnaire.

19.3 Position of Crew when Racing

The crew may adopt any position when located on the deck beside the cabin provided that they have both feet and legs inside the gunwhale.

20. Safety

20.1 A yacht when racing shall meet any safety requirements prescribed in the Sailing Instructions and comply with either of the following regulations as determined by the Race Organisers and stipulated in the Sailing Instructions.

20.1.1 IYRU 1993-97 Yacht Racing Rules Addendum B-AYFSafety Part 1.

20.1.2 YAWA Safety Committee Inshore Safety Regulations.

20.2 An effective boarding ladder shall be readily available at all times.

20.3 Trailerable Yacht

A Red Witch may be classified as a Trailerable Yacht if allowed by the Race Organisers.

20.4 Anchor, Chain and Warp.

If racing under 20.1.2 a yacht shall carry at least one 4.6 Kg Plow or SS Danforth anchor with a cable of not less than 43 metres comprising 3 metres of 6 mm

standard chain, and 40 metres of 10 mm polyethylene or nylon rope, unless otherwise stipulated by the Race Organisers.

- 20.5 A yacht shall carry 2 effective paddles each with a minimum blade area of 0.04 m² if no motor is carried.

21. Identification

- 21.1 When racing in Class Association races an identification flag, 300 mm x 200 mm and carrying a Red Witch emblem, shall be flown from the backstay at a point approximately 2 metres above the deck level.
- 21.2 Red Witch Identification Emblem
The Red Witch Yacht Identification Emblem shall be as drawn on the front cover of this booklet in Red on a White background.

APPENDIX TO CLASS RULES

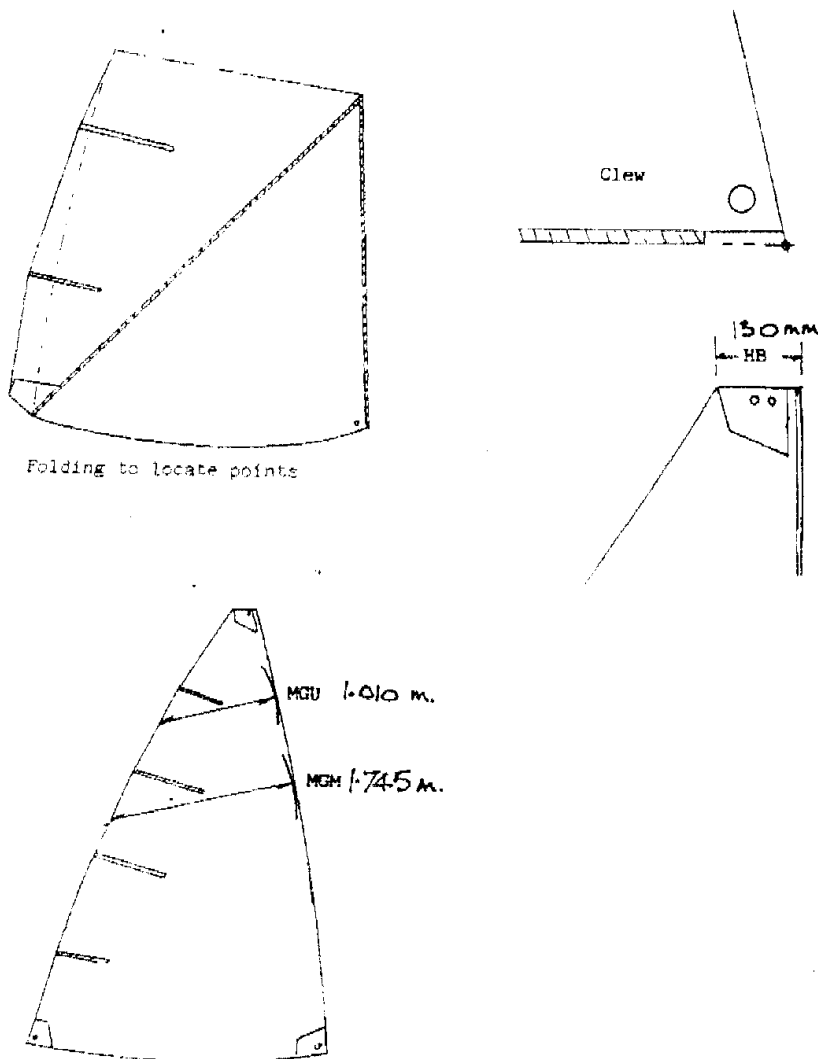
METHOD OF MAINSAIL MEASUREMENT

The mainsail shall be folded as shown in the sketch below to establish the MGM and MGU girth points.

APPENDIX TO CLASS RULES

METHOD OF MAINSAIL MEASUREMENT

The mainsail shall be folded as shown in the sketch below to establish the MGU and MGM girth points.



Note: This drawing is not a sail plan. Dimensions shown must be checked against the actual dimensions of fittings on the yacht to ensure proposed sails to the shown dimensions will fit.

This drawing should be read in conjunction with the Class Rules of the National Red Witch Association of Australia.

Where there is a difference between the measurement shown on this drawing and the Class Rules, the Class Rules shall take precedence.

All dimensions are metric.

