Newport 12 Meter
Class Rules

1. GENERAL

1.1 The Newport 12 Meter yacht is a one design whose hull conforms to the Eugene Wells plug. All boats will adhere to the plans and specifications. Hull numbers are issued by the manufacturer and permanently affixed to the inside of the hull, and must be visible through the hatch opening. No modifications to the hull are allowed. Any obvious attempt to violate the one design concept will automatically disqualify the yacht from competition.

2. SPECIFICATIONS

2.1 Hull L.O.A. – 72" plus 0" minus ¾ "
2.2 Beam – 12" plus 0" minus ¾"
2.3 Displacement – 40 lbs plus or minus 2 pounds
2.4 The deck may be the fiberglass furnished or of wood construction.
2.4.1 Additional internal framing below the deck may be done to reinforce the structure and provide better attachment points for wooden decks. This may in no way allow a change to the original shape of the deck (silhouette) per the original drawings. Specifically, it may NOT allow a change to the crown of the deck profile as determined by the mid and forward bulkheads.
2.5 There can not be any sunken cockpits or raised structure added to the boat.

3. RUDDER

3.1 The leading edge must be no more than 1/8 inch aft of keel at any point and must not extend beyond the bottom of keel.

4. SPARS

4.1 Mast – Material wood. (permanently bent masts are prohibited)
4.2 Length 80" plus or minus 1". Thickness not to exceed 1"
4.3 A ¼" stripe of contrasting color to be affixed to the mast to control the upper and lower limits of the mainsail.
4.4 The upper edge of the lower band shall be 6" above deck.
4.5 The lower edge of the upper band shall be 78" above the deck.
4.6 Boom – material wood, 31" plus or minus ½" in length. A ¼" stripe shall be affixed on the boom 30" out from the mast. Permanently bent booms not allowed.
4.7 Jib club – 21" plus or minus ½" overall length including hardware. Material wood, and permanently bent jib clubs not allowed.

5. SAILS

5.1 Measuring with enough tension to remove wrinkles, and roaches shall be of a continuous curve. Material used for the main and jib to be those materials currently being used for model yachts. Sail makers must conform to the following measurements. The mainsail attachment to the mast is optional.
5.2 Main:
5.2.1 Head of the sail measured at 90 degrees to the luff – 1 1/8" maximum. Measurements from the head are made from the intersection of the head and the luff. (See the attached sketch for sail measurements)
5.2.2 Upper cross measurement at 18: from the head down the luff and 18" from the head down the leech shall not exceed 10 ½".
5.2.3 Mid cross measurement at 36" from the head down the luff and 36" from the head down the leech shall not exceed 18".
5.2.4 Foot shall not exceed 30" measured from the mast to the projected corner of the clew and controlled by the band on the boom.
5.2.5 Luff 71" minimum and 72" maximum controlled by the bands on the mast.
5.2.6 Leech 76 ½" minimum and 77" maximum measured from the head to the projected corner of the clew.
5.2.7 Head to corner of foot measurement is 73" minimum and 74" maximum.
5.2.8 Battens: (4) allowed not to exceed 6" in length.

Jib:

5.3.1 Measurements are made to the projected corners.
5.3.2 Luff – 53" minimum, 54" maximum
5.3.3 Leech – 47" minimum, 48" maximum
5.3.4 Foot – 20" maximum
5.3.5 Cross measurement at 30" from the head down the leech shall not exceed 12 ½". Head to center of foot 50" minimum and 51" maximum.

6. SAIL NUMBERS

6.1 Letters and numbers shall be contrasting color with a solid strip width of 3/8", separation of 3/8" and 3" high, located between center battens or seams of center panel and affixed to both sides of the sail.

6.2 The class identification number shall be 2" high and located between the upper two battens or between the seams of the second panel and affixed on both sides.

7.0 RIGGING

7.1 The mast standing rigging must be jumper stays, jumper struts, spreaders, aft lowers, main shrouds and back stays. Intersection of the jib stay and forward side of the mast shall be 59 ½" plus or minus ¼" above deck. All standing rigging to be attached to the deck by means of turning adjustments only. Adjusting standing rigging by electrical or mechanical means is prohibited. Jib club and boom vang swivel may be adjustable. The use of travelers on main or jib is prohibited.

7.2 The attach point on the jib boom shall be permanently attached (not adjustable) within 3" of the forward end of the jib boom. Use of counter weights on the jib boom is prohibited.—Topping lift is prohibited

7.3 A measurement from the bottom of the jib boom attach point to the deck at the jib rack attach point shall not exceed 3" from the deck.

7.4 Jib Rack - The jib rack can be of any material suitable to attach the jib to the deck. It must be one continual part, not multiple eye bolts or hooks. The jib rack must be located on the centerline of the boat and must be permanently attached, and it can be up to 3" in length. The jib rack must be located at a point 6 ½" (plus or minus 1") aft of the bow point. The measurement will be taken from the bow point to the "center point" of the jib rack.

7.5 Main Boom Vang - Either a string/bowsie or turnbuckle style mechanical vang may be used. Vang cannot be radio adjustable. Vang must be attached to a single point on the mast and the main boom.

7.6 Backstay Adjustment **-** The backstay cannot be radio adjustable. Either a string/bowsie or turnbuckle style mechanical vang may be used.

8.0 BALLAST

8.1 Molded from manufacturers mold to fit the hull, and is removable and in one piece. No adding or subtracting of weight is allowed.

9.0 RADIO

9.1 Radio gear shall consist of one receiver and two servos with one function each. Where a proportional sail control is used that plugs into the receiver it will be considered as one servo. The radio board must contain the sail servo/winch, battery(ies), and radio receiver. The second servo that is used exclusively to control rudder function may be mounted in a permanent fashion off the radio board. The radio board and gear and the rudder servo must be mounted in the hull in the same place each time.

10.0 PROHIBITED

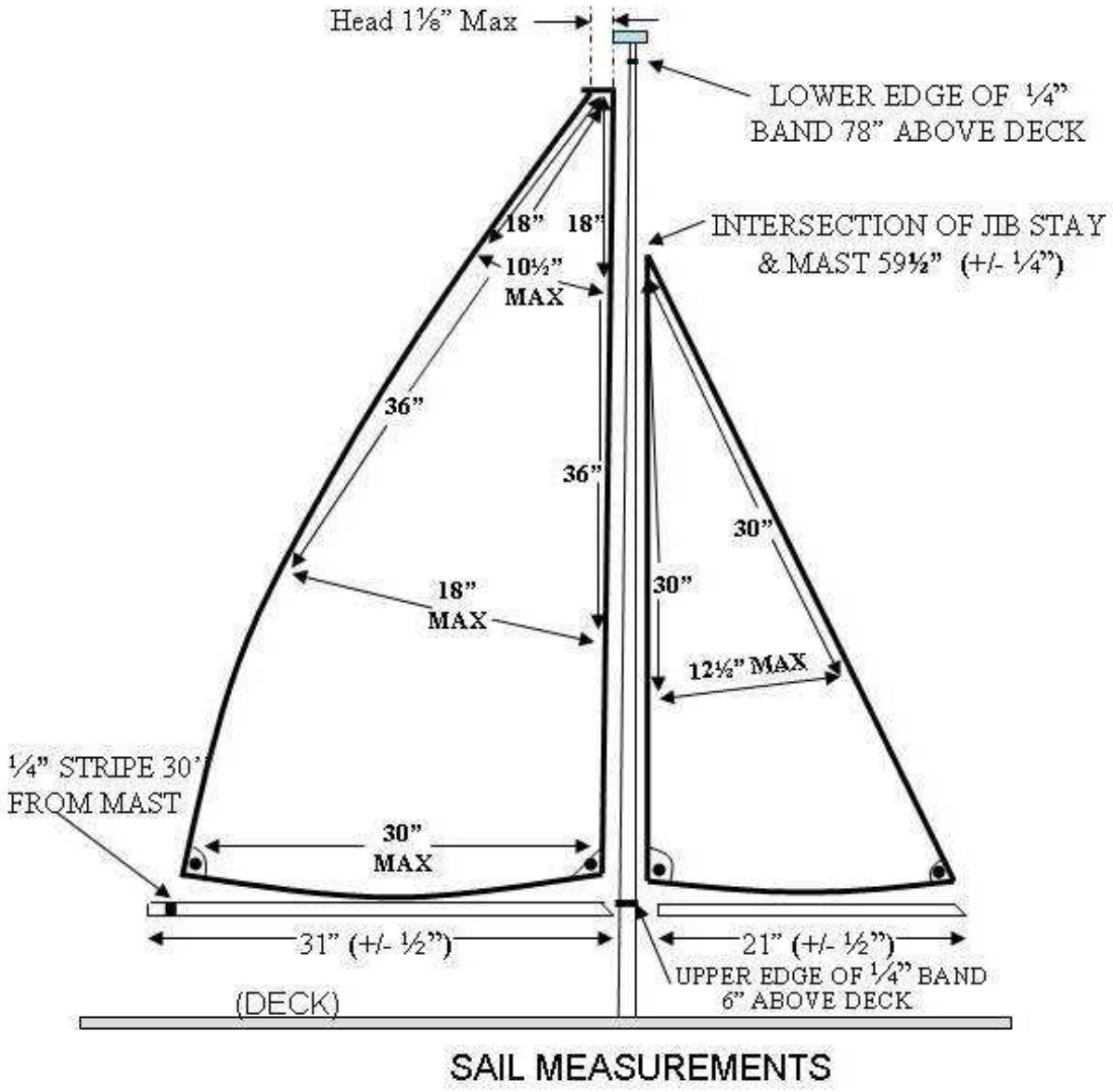
10.1 No substance to be used on the hull for the intended purpose of making the boat go faster.

11.0 RACE DIRECTORS

11.1 Have the responsibility of performing sufficient measurements to assure that all yachts in competition meet the Newport 12 Meter specifications.

12.0 One Design Class Specification/Compliance

12.1 "If it is not specifically on the plans or identified in writing, it will NOT be allowed."



SAIL MEASUREMENTS

Newport 12 Meter R/C Sailing Yacht