

# Newport 12 Meter One Design

## 1.0 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 specification. Hull numbers are issued by the manufacturer, and permanently affixed inside the hull, and 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.

## 2.0 SPECIFICATIONS:

2.1. Hull L.O.A. – 72” plus 0” minus  $\frac{3}{4}$ ”

2.2. Beam – 12” plus 0” minus  $\frac{3}{4}$ ”

2.3. Displacement – 40 lbs. Plus or minus 2 pounds

2.4. The deck may be the fiberglass furnished, or wood construction

## 3.0 RUDDER:

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

## 4.0 SPARS:

4.1. Mast – Material wood. (permanently bent masts prohibited). Length 80” plus or minus 1”. Thickness not to exceed 1 inch. A  $\frac{1}{4}$ ” stripe of contrasting color to be affixed to the mast to control the upper and lower limits of the mainsail. The upper edge of the lower band shall be 6” above the deck. The lower edge of the upper band shall be 78” above the deck

4.2. Boom – Material wood, 30” plus or minus  $\frac{1}{2}$ ” in length. A  $\frac{1}{4}$ ” stripe shall be affixed on the boom 30” out from the mast. Permanently bent booms are not allowed.

4.3. Jib Club – 21” plus or minus  $\frac{1}{2}$ ” overall length including hardware. Material wood, and permanently bent jib clubs are not allowed

## 5.0 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 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 1/2".

5.2.3. Mid cross section 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 1/2" minimum and 77" maximum measured from the head to 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

## 5.3. Jib:

5.3.1. Measurements are made to the projected corners.

5.3.1.1. Luff – 53" minimum, 54" maximum.

5.3.1.2. Leech – 47" minimum, 48" minimum.

5.3.1.3. Foot – 20" maximum.

5.3.2. Cross measurement at 30" from the head down the leech shall not exceed 12 1/2". Head to center of foot 50" minimum, 51" maximum.

## 6.0 SAIL NUMBERS:

6.1. Letter and numbers shall be of 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 panels and affixed on both sides of the sail.

## 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 1/2" plus or minus 1/4" above deck. All standing rigging is 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 the main or jib is prohibited.

## **8.0 BALLAST:**

8.1. Molded from manufacturers mold to fit the hull and is removable and 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 the proportional sail control is used that plugs into the receiver it will be considered the second servo. All on board radio gear, sail control and batteries will be of one unit, 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.