

Newport 12 Meter One Design

Class Rules

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. Hull numbers may be issued by the class secretary for yachts with no visible numbers. 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 lbs. ready to sail including batteries.

2.4. The deck may be fiberglass, wood or formica construction. A veneer or planking may be used on the deck. Non-rigid or film deck materials are prohibited. The deck crown shall not exceed 1" when measured athwartships.

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 shall be 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 shall be wood, 31" 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 prohibited.

4.3. Jib Club – Material shall be wood. 21" plus or minus $\frac{1}{2}$ " overall length including hardware. Permanently bent jib clubs prohibited.

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. Mainsail:

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.

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 center 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. Sail numbers shall be of contrasting color with a minimum solid strip width of 3/8", minimum separation of 3/8" and at least 3" high and displayed on both sides of the mainsail. The number shall be the issued hull number. Numbers may also be displayed on the jib if desired.

6.2. A class identification insignia consisting of a 12 shall be displayed on both sides of the upper 1/3 of the mainsail. The insignia shall be a minimum of 2" high and be of a contrasting color.

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. Rigging may not be adjusted when sailing by any means.

7.2 The jib boom attachment point to the deck shall be located on the centerline and may be adjustable fore and aft. The attachment point to the deck shall be a minimum of 4" to a maximum of 9" from the bow point.

7.3 The jib boom at the deck attachment point shall not exceed 3" from the deck.

7.4 A boom vang may be used and can be either a string/bowsie or turnbuckle style mechanical fitting. It must be attached to a single point on the mast and main boom.

7.5 An adjustable backstay may be used and can be either a string/bowsie or turnbuckle style mechanical fitting.

7.6 Wind indicators and telltales may be used on the mast and sails for the purpose of showing the apparent wind direction only.

7.7 Fittings and deck layout may be of the owner's choice.

7.8 The use of travelers on the main or jib is prohibited.

7.9 A bow bumper may be used and may be made of any material for the purpose of protecting the bow of the yacht. It may be permanently attached or removable. The bumper must not extend more than 1" from the bow point and must not extend more than 2" vertically below the deck at the bow point.

7.10 An adjustable jib club topping lift may be used.

7.11 A jib club counterweight may be used. It must be fixed in place and must not extend forward of the bow point with the jib club on centerline.

8.0 BALLAST:

8.1 Ballast shall be lead, molded to fit hull, removable and one piece. A handle may be added to ease removal from the hull.

8.2 Corrector weight may be added to meet minimum weight if necessary.

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. No more than two channels shall be used to control the yacht. The radio board must contain the sail servo/winch, battery(ies), and radio receiver. A 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.

10.2 Anything that is not specifically allowed in these rules shall be prohibited.

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.

