

## 8 Metre regulations



### Alterations shown in blue

#### **A. One Design Class.**

The primary purpose of these rules is to regulate all 8 metre boats used for racing at Poole RYC to be equal in all characteristics that effect performance.

#### **Modifications.**

No modifications or additions or substitutions shall be made to any supplied boat part unless it is specifically detailed in this document.

**Manufactured Standard.** Only boat parts supplied by the manufacturer shall be used unless specific authorization is given within these rules to allow substitution. These are on the basis that if it does not say something is specifically allowed, it shall not be permitted.

**Radio Equipment.** Only two channels of radio equipment may be used. (one for the sails and one for the rudder) That radio equipment may feature:- end point adjustment, differential rates and all other methods of altering the response rate and throw of the servos. The equipment may use radio transmissions from the boat (telemetry) that indicate servo position, onboard battery monitoring and radio link information only.

**Batteries.** These may be of any suitable type for the receiver and servos. Battery voltage monitors are permitted (even encouraged) but a battery switch is optional.

#### **Sailing Weight.**

The boat and rig in sailing condition must weigh between **7.5 and 7.7 Kgs**

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Any “trimming” ballast must be permanently attached to the boat by being screwed to the cast in ballast. If this is not possible due to access problems the weights must be bonded into the hull. (Velcro is not a suitable attachment)

All ballast must be of a density no greater than that of lead (11300kg/m<sup>3</sup>)

### **B – Authorised modifications to a standard boat.**

**Cosmetic Alterations.** The hull may be flattened down and painted if desired.

The drawing in of a planked deck and additions of scale like cabins is permitted (total sailing weight must not be compromised). Any flattening process must not alter the profile of any component. A modification to the rear of the keel to stop weed catching on the lower rudder mount may be made provided it is no larger than 20mm fore/aft and 10mm wide and does not extend more than 5mm below the keel.

### **Electronic and electro mechanical fittings.**

The sail and rudder servos may be replaced. **The sail winch must be a lever arm winch.**

The material and dimensions of the arm may be altered. Electronic devices may be introduced between the receiver and servos that will limit or extend the throw of those servos.

A BEC or voltage regulator may also be used but no form of gyroscope or similar electro/mechanical stabilisation is permitted.

### **Rigging etc.**

Running rigging can be from any suitable material but adjustments to running rigging **must be made manually.**

The Jib topping lift may incorporate a method to stop it catching on the spreaders if desired. The shrouds must be adjusted by turnbuckles.

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A jib counterweight may be added if desired. It must not exceed 20gms in weight or its foremost part extend more than 60mm from the end of the boom.

The foresail swivel may be replaced with a ballraced device, or a Kevlar/polyester line may be used.

The kicker(vang) may be replaced with one of a different design but should not incorporate a vertical plate.

The attachment point of the backstay to the deck may be moved if desired.

Replacement sails are limited to those produced by Housemartin sails,

Sails may have coloured corner reinforcement patches. Luff tapes may also be coloured. **If the majority of the sail is to be coloured it must be done in such a way that it does not increase the thickness/rigidity of the sail film. Felt pen colouring is acceptable.** Tell tails **and wind indicators** may be attached to the sails and rigging.

### **B. Rig and sails**

If the spars are replaced they must be of round section aluminium with an external diameter of 11.1 mm +/- 1mm for the mast, 10mm +/-1mm for the booms.

**It is permissible to remove the original T shaped support for the mast and replace it with a tube that is a tight sliding fit over the mast with the base of the tube going to a fixed point or rack attached to the sole of the boat. Note:- the positioning of the mast at deck level and the rake of the mast must not be varied beyond what is specified in these rules.**

Main boom length min 390mm

Jib boom length min 290mm

Masthead crane shall have a maximum length of 60mm.

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The measurement from the mast cap to the stern of the boat with no tension in the backstay shall not be less than 1470mm

The forward edge of the mast shall penetrate the deck 380- 400mm- from the fiberglass stem of the boat (forward upper edge of hull moulding). This measurement to be taken from the stem head to the forward side of the mast tube.

If a bow bumper is fitted it may have to be removed to ensure the accuracy of this measurement.

The booms must not visibly deviate from straight when not loaded.

The mast shall have no prebend. i.e. shall be straight along its total length when there is no forestay and back stay tension. (this included the part of the mast below deck level)

Grooved masts and rectangular section booms are not permitted.

Spreaders may be fitted if desired but if so the tips of the spreaders must not be in front of the mast section. They should be straight or swept backwards.

Sails shall be made from the same ply throughout and have no more than 3 parts joined by seams.

Sails shall not deviate below a straight line joining the tack and clew.

The material shall be either 50 micron film or 140gm Dacron/ scrim

### **The main sail.**

Luff Length 1275mm min 1285mm max

Leach Length 1325mm min 1335mm max

Head width 20mm max

Foot Length 380mm min 390mm max

1/3 rd width 275mm min 285mm max

2/3 rd width 155mm min 165mm max

Shall have 2 battens of length no greater than 80mm at the position of the seams.

Batten width max 10mm



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Cringles max 10mm diam.

Reinforcement patches max.125mm from corner

Seam width max 10mm

### **JIB**

Luff Length 1050mm min 1060mm max

Leech Length 1010mm min 1020mm max

Foot Length 280mm min 290mm max

Head width 20mm max

Cringles max 10mm

Seam width max 10mm

Reinforcement patches max.125mm from corner

No Battens

### **Sail Numbers.**

Initially as supplied, but to be increased to 100mm height a.s.a.p. and certainly on new sails.

### **Alterations to standard rules of sailing**

Boats will be permitted to make contact with buoys marking the course (with the exception of those marking the start and finish line) without being required to do a penalty turn.

### **Shortening the course.**

The course may be shortened whilst a race is in progress provided it is done before the leading boat rounds the buoy that will become the last mark of the course before the finish line. All helms must be made aware of the changes.

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