

T10 – New Rule allow 3DI and Carbon Material in the Jib. Also there are several areas that have been cleaned up to be current.

3.6 SAILS:

3.6.1 Bold terms are defined in the Equipment Rules of Sailing (ERS).

3.6.2 One mainsail, two jibs, and two spinnakers are permitted on board when racing, except as where provided in Rule 6.1.9.

3.6.3 All sails shall be constructed ~~of a single layer of fabric except~~ **Sail construction shall be of a single layer of fabric except single-ply sails except** for permitted reinforcements, constructional seams, tablings, reefing and anti-chafe patches, camber lines, numbers, and repairs to damage. ~~When woven polyester or nylon is torn it shall be possible to separate the fibers without leaving evidence of a film.~~ No sail shall have elastic (shock) cord in the luff or foot.

- a) ~~The mainsail shall be made of woven polyester.~~ **Mainsail construction shall be of a woven ply of polyester. No other materials are allowed in the body of the sail.**
- b) ~~The jib shall be made of woven polyester, PEN Pentex laminates, aramid or carbon laminates.~~ **Jib construction shall be laminated ply or woven ply of polyester, PEN Pentex laminates, aramid or carbon laminates.** Other materials including but not limited to ~~Spectra/Dyneema, Vectran, PBO, and Cuben Fiber~~ **UHMWPE/HMPE, and LCP** are not permitted **in the body of the sail.**
- c) The spinnaker shall be made of nylon.

3.6.4 The mainsail, and the jib may each be fitted with not more than two separate transparent windows not exceeding 3.000 sq. ft. in combined area in each sail.

3.6.5 The sails shall be measured in accordance with ~~ISAF~~ **ERS** procedures, except as where otherwise prescribed in these Rules.

3.6.6 Sails may have **primary reinforcement** ~~reinforcing of materials~~ provided for in Rule 3.6.2 at a corner, at Cunningham holes and reefing points, and secondary reinforcing of additional layers of cloth. Reinforcement, finishing materials or coatings applied to the reinforcement shall not prevent the sail from being folded; all reinforcement shall be capable of being folded in any direction without damaging the fibers. The size of reinforcing layers shall be in accordance ~~to ISAF prescriptions.~~ **(The ERS, nor World Sailing prescribes the size of the reinforcements, just the material and location.)**

3.6.7 The T-10 Class Emblem on the mainsail shall be a distinctly contrasting color and be 1.670' vertical x 1.557' horizontal. The Emblem on the mainsail of a LS-10 shall be red & blue in color, 1.833' vertical, and conform to the LS-10 Official Plans. Emblems found <http://www.tten.com>.

3.6.8 National letters (where applicable) and distinguishing numbers shall be placed on the mainsail and on the spinnaker in accordance with the Racing Rules of Sailing.

3.6.9 National letters and distinguishing numbers shall be not less than: H: 1.250' x W: 0.833' x T: 0.208'

3.6.10 Minimum Sail Cloth Weights Minimum Cloth weights for class sails shall be as follows:

- a) Mainsail: Not less than 245 grams per square meter.
- b) Jib: Not less than 236 grams per square meter (for woven polyester).
- c) Spinnaker: Not less than 40 grams per square meter.

3.6.11 Minimum sail cloth weights for woven materials shall be defined as: The weight of the finished coated woven material used in the sail. How do you check cloth weight in 3Di sails without destroying it? This is done by bag weight in most classes, but it changes the whole rule over and removes the cloth weight. How did they do this in the past as they have allowed 3DL?

3.6.12 Mainsail

- a) The length of the leech shall not exceed 42.580' nor less than 42.080'.
- b) The one-quarter girth shall be not more than 5.250'. Measured between the leech and the nearest point on the luff, including the luff rope.
- c) The one-half girth shall be not more than 8.580'. Measured between the leech and the nearest point on the luff, including the luff rope.
- d) The three-quarter girth shall be not more than 11.500'. Measured between the leech and the nearest point on the luff, including the luff rope.
- e) The foot round shall be not more than 1.000'.
- f) The headboard shall be not wider than 0.500'. Measured at right angles to the luff.
The headboard may be of any material.
- g) The sail shall have four (4) equally spaced (+/- 0.250') fiberglass battens. The top batten may be of any length. The remaining battens shall be not more than 4.670' in length.
- h) The width of any batten shall be not more than 0.208'
- i) The mainsail shall be attached to the mast with a boltrope or slugs.
- j) The mainsail may be attached along the length of the boom.
- k) The clew of the mainsail shall be attached to the boom.
- l) Reefing attachment points or devices may be fitted. Ref. ORC 10.21.1.
- m) Cunningham hardware may be fitted in the luff.
- n) Leech tensioning reinforcement and hardware may be fitted on the leech.
- o) A leech line is permitted.
- p) Camber lines are permitted.
- q) The luff and foot of the mainsail when set shall be within the distinguishing bands as defined in Rules 3.5.3(d) and 3.5.6(d).

3.6.13 Jib

- a) The luff shall be not more than 35.350'.
- b) The leech shall be not more than 32.720' nor less than 32.000'.
- c) The foot shall be not more than 13.700'.
- d) The one-quarter girth shall not exceed 3.540'. Measured as a swung radius.
- e) The one-half girth shall not exceed 6.460'. Measured as a swung radius.
- f) The diagonal (LP) shall be not more than 12.670'. Measured to the forward edge of the boltrope. Jibs equipped with "headfoils" shall have the width of the "headfoil" added to the LP and girth dimensions. (Ref. Rules 6.6.17 and 8.1.4)
- g) The leech shall have no positive roach, as defined by ISAF. (The ERS doesn't define roach.)
- h) The head width (including the luff rope or tape) shall be not more than 0.200'. Measured at right-angles to the luff.
- i) Deleted.
- j) The jib shall have not more than three (3) equally spaced (+/- 0.250') fiberglass battens. The top batten may be of any length, and the remaining battens shall be not more than 3.280' in length.
- k) The maximum width of any batten shall be not more than 0.210'.
- l) Cunningham attachment hardware may be fitted in the luff.

- m) A leech line is permitted.
- n) Camber lines are permitted.
- o) Hanks or a boltrope shall be used to attach the jib to the Forestay. (Ref Rule 6.1.17)

3.6.14 Spinnaker

- a) The spinnaker shall be a three-cornered sail, symmetrical about its centerline.
- b) The length of the leeches shall be not more than 35.150' nor less than 33.400'.
- c) The length foot shall be not more than 21.600' nor less than 20.520'.
- d) No girth cross width shall exceed 21.600'.
- e) The one-half girth cross width shall be not more than 21.600' nor less than 15.390'.
- f) The length of the center-seam shall be not more than 39.250'. Measured from the head to the mid-point of the foot.

3.6.15 Sails shall be measured, approved, assigned a Sail Registration Number, and "tagged" with a T10 Class Association Royalty Paid label (sail tag) in accordance to Appendix B: Sail Measurement & Registration. A list of registered sails shall be maintained in a database (found <http://www.tten.com/>).

3.6.16 Only sails carrying a T-10 Class Association Royalty Paid label on the starboard side of the sail near its tack or near a spinnaker clew shall be used when racing. Royalty Paid labels shall be securely affixed and shall be not transferred from one sail to another.

3.6.17 Royalty Paid labels are not required for sails measured and approved prior to the institution of the Royalty Paid label program (2009 T-10 NAC Regatta).

3.6.18 Sail Acquisition shall be in accordance to Appendix A: Sail Acquisition.