

# Elliott 6m Sail Rules

## PART II – REQUIREMENTS AND LIMITATIONS

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The **crew** and the **boat** shall comply with the rules in Part II when *racing*.

The rules in Part II are **closed class rules**. **Certification control** and **equipment inspection** shall be carried out in accordance with the ERS except where varied in this Part.

### Section C – Conditions for Racing

#### C.1 GENERAL

##### C.1.1 RULES

- (a) RRS 50.4 shall not apply.
- (b) RRS Appendix G.1.3 (d) may not apply.
- (c) The ERS Part I – Use of Equipment shall apply.

#### C.10 SAILS

##### C.10.1 MODIFICATIONS, MAINTENANCE AND REPAIR

The following are permitted without re-measurement and re-**certification**.

- (a) Maintenance and repairs that do not effect compliance of any Section G measurement or construction rule.
- (b) Addition of **Flutter patches, chafing patches, batten pocket patches** camber stripes and tell tells to the **mainsail** and **headsail**.
- (c) Battens of optional material may be placed in the **batten pockets**
- (d) Vinyl, PSA Dacron or similar materials may be added to the **sails** to facilitate advertising in accordance with the ISAF Advertising Code (See ISAF Regulation 20)

##### C.10.2 LIMITATIONS

- (a) Not more than 1 mainsail, 1 jib, and 1 spinnaker shall be carried aboard.

##### C.10.3 MAINSAIL

###### (a) IDENTIFICATION

The national letters and sail numbers shall be positioned between the second and third **batten pockets** down from the **head** in accordance with RRS Appendix G.1.3 (a).

###### (b) USE

- (1) The **sail** shall be hoisted on a **halyard**. The arrangement shall permit hoisting and lowering of the **sail** whilst afloat.
- (2) The highest visible point of the **sail**, projected at 90° to the mast **spar**, shall not be set above the lower edge of the mast **upper limit mark**. The intersection of the **leech** and the top of the boom **spar**, each

extended as necessary, shall not be behind the fore side of the boom **outer limit mark**.

- (3) The **luff** bolt rope shall be in the mast sail track.
- (4) The **mainsail** shall be attached to the **boom** only at the **clew**.

#### C.10.4 JIB

##### (a) USE

- (1) The jib **luff** shall be attached to the **forestay** using hanks.
- (2) The **tack** shall be fixed to the forestay chainplate on deck.

#### C.10.5 SPINNAKER

##### (a) IDENTIFICATION

National letters and sail numbers are optional; however if fitted, shall comply with RRS Appendix G.1.2 and G.1.3 (d).

## Section G – Sails

### G.1 PARTS

#### G.1.1 MANDATORY

- (a) Mainsail
- (b) Headsail
- (c) Spinnaker

### G.2 GENERAL

#### G.2.1 RULES

- (a) **Sails** shall comply with the **class rules** in force at the time of **certification**.

#### G.2.2 CERTIFICATION

- (a) The **official measurer** shall **certify** mainsails and headsails in the **tack** and spinnakers in the **head** and shall sign and date the **certification mark**.
- (b) An MNA or ISAF may appoint one or more **In-House Official Measurers** to measure and **certify sails** produced by that manufacturer.

#### G.2.3 SAILMAKER

- (a) The sailmaker is optional. No licence is required.

#### G.2.4 MODIFICATION, MAINTANCE AND REPAIR

The **sails** shall not be altered in any way except as permitted by Section C of these **class rules**. Any additional work shall require new **certification control** and re-**certification**.

### G.3 MAINSAIL

#### G.3.1 IDENTIFICATION

- (a) The class insignia shall conform to the dimensions and requirements as detailed in the diagram in Appendix 1 and shall be positioned on both sides of the **mainsail**, between the top two **batten pockets** in accordance with RRS Appendix G.1.3 (a).

#### G.3.2 MATERIALS

- (a) The **ply** fibres shall consist of polyester, aramids, HMPE.
- (b) **Stiffening** shall consist of:
- (1) Cornerboards: plastic or aluminium
- (c) **Sail reinforcement** shall consist of polyester, aramids, HMPE.

#### G.3.3 CONSTRUCTION

- (a) The construction shall be: **soft sail, single ply sail**.
- (b) The **body of the sail** shall consist of **woven ply** and/or **laminated ply** made from one or more of the following materials: polyester, aramids, HMPE.
- (c) **Sails** made of **laminated ply** shall have a **woven ply** patch fixed at the **tack** on which the **sail** may be **certified**.
- (d) The sail shall have 4 **batten pockets** in the **leech**. The upper **batten pocket** shall extend from **leech** to **luff**.
- (e) The following are permitted: Stitching, glues, webbing, woven and PTFE tapes, bolt ropes, corner eyes, corner rings, Velcro or other fastening, Cunningham eye or block, battens, batten pocket elastic, **batten pockets**, batten retaining devices, leech line with cleat, camber bands, sail numbers, national letters and class insignia, tell tales, headboards and fixings, **certification mark**.
- (f) The **leech** shall not extend aft of straight lines between:
- (1) the **aft head point** and the intersection of the **leech** and the upper edge of the nearest **batten pocket**,
  - (2) the intersection of the **leech** and the lower edge of a **batten pocket** and the intersection of the **leech** and the upper edge of an adjacent **batten pocket** below,
  - (3) the **clew point** and the intersection of the **leech** and the lower edge of the nearest **batten pocket**.

#### G.3.4 DIMENSIONS

	minimum	maximum
<b>Luff length</b>	-	7495 mm
<b>Leech length</b>	-	7900 mm
<b>Foot length</b>	-	3140 mm
<b>Quarter width</b>	-	2790 mm

	minimum	maximum
<b>Half width</b>	-	2200 mm
<b>Three-quarter width</b>	-	1350 mm
<b>Top width</b>	-	125 mm
<b>Primary reinforcement</b>	-	355 mm
<b>Secondary reinforcement:</b>		
from <b>sail corner measurement points</b>	-	1065 mm
for <b>flutter patches</b>	-	120 mm
for <b>chafing patches</b>	-	300 mm
for <b>batten pocket patches</b>	-	300 mm
<b>Tabling width</b>	-	50 mm
<b>Window area</b>	-	1.0 m <sup>2</sup>
<b>Batten pocket length:</b>		
uppermost and lowermost pocket:		
<b>outside</b>	-	1150mm
intermediate pockets:		
<b>inside</b>	-	1140mm
<b>Batten pocket width:</b>		
<b>outside</b>	-	80 mm
<b>Head point</b> to intersection of <b>leech</b> and centreline of uppermost <b>batten pocket</b>	1420 mm	1430 mm
<b>Head point</b> to intersection of <b>luff</b> and centreline of uppermost <b>batten pocket</b>	1140 mm	1150 mm
<b>Clew point</b> to intersection of <b>leech</b> and centreline of lowermost <b>batten pocket</b>	1600 mm	1610 mm
Distance from the <b>head point</b> to start of the <b>luff</b> bolt rope		100 mm
Distance from the <b>tack point</b> to start of the <b>luff</b> bolt rope		150 mm

## G.4 HEADSAIL

### G.4.1 MATERIALS

- (a) The **ply** fibres shall consist of polyester, aramids or HMPE.
- (b) **Stiffening** shall consist of:
  - (1) Corner boards: plastic or aluminium.
- (c) **Sail reinforcement** shall consist of polyester, aramids, HMPE.

### G.4.2 CONSTRUCTION

- (a) The construction shall be: **soft sail, single ply sail**.
- (b) The **body of the sail** shall consist of **woven ply** and/or **laminated ply** made from one or more of the following materials: polyester, aramids, HMPE.

- (c) The sail shall have up to a maximum of 3 **batten pockets** in the **leech**. The upper **batten pocket** shall extend from **leech** to **luff**.
- (d) The following are permitted: Stitching, glues, webbing, woven tapes, twist hanks, corner eyes, corner rings, Velcro or press studs, leech line with cleat, foot line with cleat, camber bands, tell tales.
- (e) The **luff** shall have hanks attached along its length, a maximum of 650 mm apart. At least one hank shall be placed within 200 mm of the **head point** and the **tack point**.
- (f) **Windows** are permitted below **half width**.
- (g) **Sails** made of **laminated ply** shall have a **woven ply** patch fixed at the **tack** on which the **sail** may be **certified**.

#### G.4.3 DIMENSIONS

	minimum	maximum
<b>Luff length</b>	6600	6700 mm
<b>Leech length</b>	6050	6150 mm
<b>Foot length</b>	2000	2100 mm
<b>Half width</b>	-	960 mm
<b>Top width</b>	-	60 mm
<b>Primary reinforcement</b>		355 mm
<b>Secondary reinforcement:</b>		
from <b>sail corner measurement points</b>	-	1000 mm
for <b>flutter patches</b>	-	120 mm
for <b>chafing patches</b>	-	300 mm
for <b>batten pocket patches</b>	-	300 mm
<b>Tabling width</b>	-	50 mm
<b>Seam width</b>	-	40 mm
<b>Window area</b>	-	0.75 m <sup>2</sup>
<b>Batten pocket length:</b>		
<b>outside</b>	-	530 mm
<b>Batten pocket width:</b>		
<b>outside</b>	-	50 mm
<b>Head point</b> to intersection of <b>leech</b> and centreline of uppermost <b>batten pocket</b>	1530 mm	1540mm
<b>Clew point</b> to intersection of <b>leech</b> and centreline of lowermost <b>batten pocket</b>	1530 mm	1540 mm

## G.6 SPINNAKER

### G.6.1 MATERIALS

- (a) The **body of the sail** and **secondary reinforcement** shall be of nylon **woven ply**.

- (b) **Primary reinforcement** and **tabling** may be of any nylon or polyester **woven ply**.

G.6.2 CONSTRUCTION

- (a) The construction shall be: **soft sail, single ply sail**.  
 (b) The **body of the sail** shall consist of **woven ply** throughout.  
 (c) Advertising may be cut into the **body of the sail**.  
 (d) The following are permitted: Stitching, glues, webbing, woven tapes, corner eyes, corner rings, camber bands, sail numbers and national letters, tell tales, leech lines, luff lines, foot lines, **certification mark**.

G.6.3 DIMENSIONS

	minimum	maximum
<b>Leech length / Luff Length</b>	7350mm	7450 mm
<b>Foot length</b>	4000mm	4150 mm
<b>Foot Median</b>	-	8100 mm
Difference between <b>diagonals</b>	-	50 mm
<b>Quarter width</b>		4390 mm
<b>Half width</b>		4250 mm
<b>Three-quarter width</b>		2640 mm
<b>Primary reinforcement</b>	-	320 mm
<b>Secondary reinforcement:</b>		
from <b>sail corner measurement points</b>	-	960 mm
<b>Tabling width</b>	-	50 mm
<b>Seam width</b>	-	30 mm

**MAINSAIL**

**JIB**

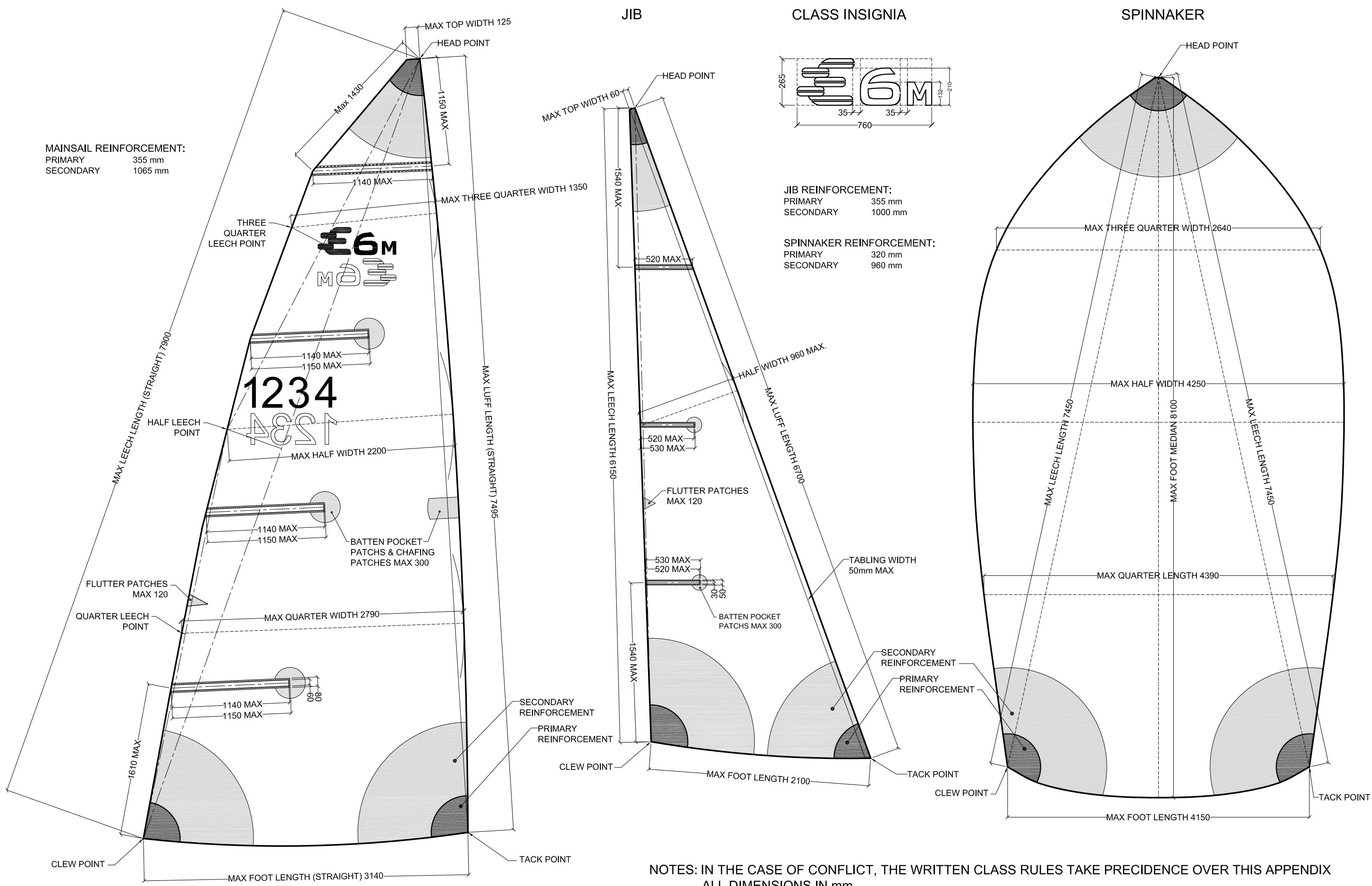
**CLASS INSIGNIA**

**SPINNAKER**

**MAINSAIL REINFORCEMENT:**  
 PRIMARY 355 mm  
 SECONDARY 1065 mm

**JIB REINFORCEMENT:**  
 PRIMARY 355 mm  
 SECONDARY 1000 mm

**SPINNAKER REINFORCEMENT:**  
 PRIMARY 320 mm  
 SECONDARY 960 mm



NOTES: IN THE CASE OF CONFLICT, THE WRITTEN CLASS RULES TAKE PRECEDENCE OVER THIS APPENDIX  
 ALL DIMENSIONS IN mm



PROJECT

**ELLIOTT 6m CLASS RULES**

TITLE

SAIL MEASUREMENT DIAGRAM

ISSUED 19 / 03 / 09

SCALE NOT TO SCALE

JOB No E 6m

DWG No APPENDIX 1

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