

# International Streamline Class

## Sails Measurement Final

### Sektion G - SAILS

#### G.1. MEASUREMENT

- G.1.1. Sails shall conform with the class rules in force at the time of fundamental measurement. Measurement shall be carried out in accordance with the ERS.
- G.1.2. Numbers and letters shall be of the following dimensions:  
Height: 375 mm  
Spacing between adjoining numbers or letters or edge of sail: 75 mm.
- G.1.3. The class insignia shall conform with the following dimensions and the diagram contained in these rules.  
Height: 450 mm  
Width: 790 mm  
Thickness: 105 mm
- G.1.4. The class insignia shall be positioned on both sides of the mainsail, between the third and the fourth batten from top, with the starboard side being higher.
- G.1.5. The national letters and sail numbers shall be positioned on both sides of the mainsail, with the starboard side being higher.
- G.1.6. Every sail should have one class label on it. The class label can be bought from the Nautik GmbH.

#### G.2. MATERIALS

- G.2.1. The body of the sail and secondary reinforcement shall be of polyester woven ply and/or laminated ply.
- G.2.2. Primary reinforcement, batten pockets, and tabling may be of any polyester woven ply and/or laminated ply.
- G.2.3. Stiffening may be of any material, except that Aramid (Kevlar) and carbon fibre are not permitted.
- G.2.4. Windows may be of any transparent polyester ply. The ply may have polyester reinforcement threads.
- G.2.5. Attachments may be of any material, except that aramid (Kevlar) or other high modulus tape or rope is permitted for reinforcement only within 80 mm of the luff

#### G.3. SAILMAKERS

- G.3.1. The sailmaker is optional.

#### G.4. MAINSAIL

##### G.4.1. Construction

- G.4.1.1. The construction shall be: Soft sail, single ply sail.
- G.4.1.2 The body of the sail shall consist of polyester woven ply and/or laminated ply.
- G.4.1.3. The sail shall have 5 batten pockets. The batten pockets shall extend from leech to luff. The batten material is unrestricted. The leech shall not extend aft of straight lines between the batten pockets. Any hollows in the leech between width measurement points shall be bridged with straight lines for measurement.
- G.4.1.4. 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, mast and boom slides, leech line with cleat, camber bands, sailmakers labels, sail numbers, national letters and class insignia, tell tales, headboards and fixings and class label.
- G.4.1.5. For mainsails manufactured after the 1st January 2010, the weight of the complete sail shall comply with the weight listed in class rule G.4.2.  
a) The sail shall be weighed with fixed fittings but excluding battens and tensioners.

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- b) The mainsail shall not include any special devices, which are designed to, or might perform the task of corrector weights.
- c) Fittings shall be the normal size fittings for a sail of this size and available from standard suppliers.
- d) If fittings or construction are designed in any way to circumvent this rule, measurement shall be refused.

### G.4.2. Dimensions

- a) Leech length: 9020 mm max.
- b) Top width: 175 mm max.
- c) Upper width measurement point on leech (M1): 800 mm from top 20mm +/-  
Middle width measurement point on leech (M2): 2250 mm from top 20mm +/-  
Lower width measurement point on leech (M3): 4500 mm from top  
Width at M1: 790 mm max. (shortest measurement to luff)  
Width at M2: 1925 mm max. (shortest measurement to luff)  
Width at M3: 2700 mm max. (shortest measurement to luff)
- d) Top to middle of top batten pocket on leech: 800 mm min.  
Top to middle of 2nd batten pocket from top on leech: 1980 mm min.
- e) Primary reinforcement: unlimited
- f) Secondary reinforcement: unlimited
- g) Flutter and chafing patches: unlimited
- h) Tabling and seam width: unlimited
- i) Windows: 1,5 m2 max.
- j) Weight of complete sail: 7,2 kg min.

## G.5. HEADSAIL

### G.5.1. Construction

- G.5.1.1. The construction shall be: Soft sail, single ply sail.
- G.5.1.2 The body of the sail shall consist of polyester woven ply and/or laminated ply.
- G.5.1.3. The leech shall not extend aft of straight lines between the batten pockets. Any hollows in the leech between batten pockets shall be bridged with straight lines for measurement. The batten material is unrestricted.
- G.5.1.4. The following are permitted: Stitching, glues, webbing, woven tapes, luff wire, corner eyes, corner rings, Velcro or press studs, leech line with cleat, camber bands, sailmakers labels, tell tales and class label.
- G.5.1.5. For headsails manufactured after the 1st January 2010, the weight of the complete sail shall comply with the minimum listed in class rule G.5.2.
  - a) The sail shall be weighed complete with fixed fittings but excluding jib luff wire and any battens.
  - b) The jib shall not include any special devices, which are designed to, or might perform the task of corrector weights.
  - c) Fittings shall be the normal size fittings for a sail of this size and available from standard suppliers.
  - d) If fittings or construction are designed in any way to circumvent this rule, measurement shall be refused.
- G.5.1.6. The headsail shall be fitted with three batten pockets on the leech and one optional batten pocket on the clew.
  - a) Inside length of batten pocket on leech
    - upper batten: 500 mm max.
    - middle batten: 600 mm max.
    - lower batten: 700 mm max.
  - b) Inside length of batten pocket on the clew: 400 mm max.
  - c) The three batten pockets shall divide the leech in four equal parts +/- 100 mm

### G.5.2. Dimensions

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- a) Luff length: 8170 mm max.
- b) Foot length from tack to clew: 3000 mm max.
- c) Top width: 60 mm max.
- d) First width measurement point on leech (M1): 400 mm from top  
Second width measurement point on leech (M2): 1890 mm from top  
Third width measurement point on leech (M3): 3740 mm from top  
Fourth width measurement point on leech (M4): 5600 mm from top  
Width at M1: 220 mm max. (shortest measurement to luff)  
Width at M2: 840 mm max. (shortest measurement to luff)  
Width at M3: 1510 mm max. (shortest measurement to luff)  
Width at M4: 2180 mm max. (shortest measurement to luff)
- e) Primary reinforcement: unlimited
- f) Secondary reinforcement: unlimited
- g) For flutter and chafing patches: unlimited
- h) Tabling and seam width: unlimited
- i) Number of corner eyes or rings: unlimited
- j) Cover pocket on luff: max. 1000 mm from tack
- k) Windows: 1,5 m<sup>2</sup>
- l) Weight of complete sail: 3,8 kg Minimum

### G.6. SPINNAKER

#### G.6.1. Material

The body of the sail shall consist of polyester or nylon woven ply only. Primary reinforcement may be of any polyester or nylon woven ply. Stiffening may be of any material, except that Aramid (Kevlar) and carbon fibre are not permitted.

#### G.6.2. Construction

G.6.2.1. The construction shall be: Soft sail, single ply sail. The body of the sail shall consist of the same woven ply throughout.

G.6.2.2. The following are permitted: Stitching, glues, webbing, woven tapes, corner eyes, corner rings, sailmakers labels, sail numbers and national letters, tell tales and class label.

#### G.6.2.3. Dimensions

- a) Leech length: max: 8500 mm/ min: 8300 mm
- b) Half width on ½ leech length: max: 6480 mm / min: 6400 mm
- c) Foot length: max: 5760 mm / min: 5660 mm
- d) Primary reinforcement: unlimited
- e) Secondary reinforcement: unlimited
- f) Tabling and seam width: unlimited
- g) Cloth weight: 30 g/m<sup>2</sup> min.
- h) Weight of the complete sail min. 2,55 kg

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### H.1. Sails Measurement Diagram

#### H.1.1. Mainsail

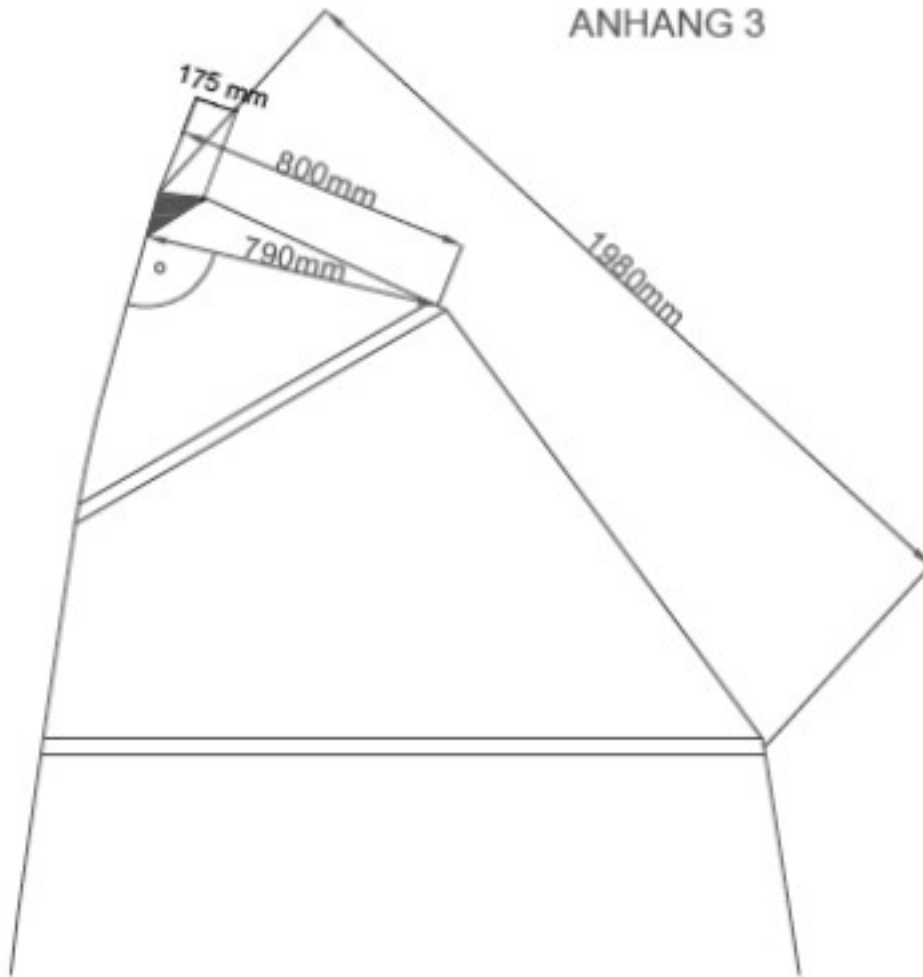
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### H.1.2. Headsail



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### H.1.3. Class Insignia

