

- (5) mainsail halyard sheave box,
- (6) jib halyard sheave box,
- (7) spinnaker halyard block with attachment or sheave box with optional fairlead,
- (8) spinnaker pole fittings which may include a track,
- (9) spinnaker pole lift sheave box or block with attachment,
- (10) gooseneck,
- (11) A heel fitting, securely fixed to the **spar**, which transfers the compression load to the mast step which may include sheaves for halyards.

(b) OPTIONAL

- (1) An external collar positioned below the gooseneck of a maximum length of 30 mm
- (2) A mainsail halyard lock

F.2.5 DIMENSIONS

	minimum	maximum
Limit mark widths	10 mm	
Mast spar cross section of non tapered extrusion:		
fore-and-aft	89 mm	95 mm
transverse	61 mm	67 mm
Mast spar cross section at the upper point :		
fore-and-aft	66 mm	74 mm
transverse	52 mm	58 mm
Mast datum point to beginning of spar		
taper	4500 mm	
Upper point height		6800 mm
Spinnaker hoist height, measured to the bearing		
point on the final block or fairlead, with the		
halyard perpendicular to the mast		
	5240 mm	5360 mm
Forestay height	5200 mm	5300 mm
Upper shroud height	5250 mm	5350 mm
Lower shroud height	2450 mm	2550 mm
Distance from forward face of spinnaker sheave or		
bearing point of the fairlead to the forward face		
of the mast		
		60 mm
Extension of masthead fittings, except the removable		
wind indicator, from the upper point		
		250 mm
Spreader ;		
length	590 mm	
Spinnaker pole fitting :		
height		1000 mm
projection		45 mm
Gooseneck fitting length along the mast		
		100 mm
Mast spar deflection when loaded with 20 kg at 3400mm		

from the **mast datum point** measured at 3400 from **datum**:

fore-and-aft 30 mm..... 40 mm
Mast spar curvature 40 mm

F.2.6 WEIGHTS

	minimum	maximum
Mast Weight	17.0 kg	
Mast Tip Weight	7.50 kg	
Weight of each halyard shackle, for the purpose of mast tip weight		70 g
Tip Corrector Weights		300 g

For the purpose of Rule F.2.6 (weights) any readily removable fittings such as wind indicators, covers, or excessively heavy components shall be removed. Mast tip **corrector weights** shall be permanently fixed.

F.3 BOOM

F.3.1 MATERIALS

The spar shall be of aluminum alloy to the International 6000 Series Specifications. The spar may be anodized, painted or powder coated.

F.3.2 CONSTRUCTION

- (a) The **spar** extrusion shall be of constant section and shall include an integral sail groove. The boom may be cut away to any shape beyond the **outer point**.
- (b) The sail groove may be cutaway at each end to permit entry of the mainsail.

F.3.3 FITTINGS

The following shall be fitted:

- (a) two or more mainsheet block attachments one being at the aft end of the **spar**,
- (b) a clew attachment arrangement,
- (c) a gooseneck attachment.

F.3.4 DIMENSIONS

	minimum	maximum
Boom spar cross section of the extrusion, forward of the outer point		
vertical	69 mm	75 mm
transverse	51 mm	57 mm
Limit of the sail groove cutaway at each end		200 mm
Boom spar curvature		25 mm

- (b) Except within 250mm of the foot, the **body of the sail**, shall consist of the same **woven ply** throughout. The **ply** fibres shall be of polyester.
- (c) There shall be three **batten pockets** extending to the **leech**.
- (d) 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**.
- (e) For reefing points at less than 1065 mm from the clew, tack or each other the reinforcement shall be separated and not overlap.
- (f) The following are permitted: Stitching, glues, tapes, **tabling**, bolt ropes, corner eyes, headboard with fixings, reefing points, adjustment point eye or pulley, **primary reinforcement**, **secondary reinforcement** listed in G.2.3., battens, batten pocket elastic, leech line with a cleat in an optional position, two **windows**, telltales, one **spar** groove slider for each of the **head**, **clew** and **tack**, sail shape indicator stripes, and items permitted or prescribed by other applicable *rules*.

G.2.3 DIMENSIONS

		<i>Luff = 22.309' 6880mm</i>	
		<i>Foot = 8.53' = 2600mm</i>	minimum
Leech length	7200 mm		maximum
Quarter width	2220 mm	<i>7.283'</i>	
Half width	1660 mm	<i>5.446'</i>	
Three-quarter width	960 mm	<i>3.15'</i>	
Top width	155 mm	<i>6.102"</i>	
Weight of ply of the body of the sail	180 gr/m ²		
Primary reinforcement	355 mm		
Secondary reinforcement:			
from sail corner measurement points	1065 mm		
for two chafing patches each	300 mm		
for batten pockets patches	300 mm		
for flutter patches	120 mm		
Tabling width	50 mm		
Total window area	0.3 m ²		
Window to sail edge	150 mm		
Extension of headboard from head point	145 mm		
Batten pocket length:			
uppermost pocket:			
inside	530 mm		
outside	560 mm		
other pockets:			
inside	730 mm		
outside	760 mm		

Leech Max 23.62'

Batten pocket width:

inside 60 mm
 outside 90 mm

Head point to intersection of **leech** and centreline

of uppermost **batten pocket** 1780 mm

Clew point to intersection of **leech** and centreline

of lowermost **batten pocket** 1780 mm *35.84'*

G.3 JIB**G.3.1 RULES**

- (a) As an exception to ERS H.5.1 a jib shall be measured with battens in place.

G.3.2 CONSTRUCTION

- (a) The construction shall be: **Soft sail, single ply sail.**
 (b) The **body of the sail** shall consist of the same **woven ply** throughout. The **ply** fibres shall be of polyester.
 (c) There shall be two **batten pockets** in the **leech**.
 (d) The **leech** shall not extend outside a straight line from the **aft head point** to the **clew point**.
 (e) The following are permitted: Stitching, glues, tapes, **tabling**, bolt rope, non adjustable luff line permanently attached at both the head and tack, corner eyes, hanks, **primary reinforcement**, **secondary reinforcement** listed in G.3.3., battens, batten pockets elastic, foot and leech lines with optional cleats, two **windows**, telltales, sail shape indicator stripes and items permitted or prescribed by other applicable *rules*..

G.3.3 DIMENSIONS

	minimum	maximum	
Luff length	<i>18.701'</i>	5700 mm	<i>GA</i>
Leech length	<i>16.896</i>	5150 mm	<i>17.388'</i>
Luff perpendicular	<i>6.135</i>	1870 mm	
Foot length	<i>6.398'</i>	1950 mm	
Foot median		5620 mm	
Top width	<i>1.37"</i>	35 mm	
Foot irregularity		20 mm	
Weight of the ply of the body of the sail		180 gr/m ²	
Primary reinforcement		320 mm	
Secondary reinforcement:			
from sail corner measurement points		960 mm	
for flutter patches		300 mm	
for batten pockets patches		300 mm	
Tabling width		50 mm	
Total window area		0.3 m ²	
Window to sail edge		150 mm	
Batten pocket length:			

inside	280 mm
outside	310 mm
Batten pocket width:	
inside	60 mm
outside	90 mm
The distance between the head point and the intersection of the leech and centreline of the upper batten pocket	
	1730 mm
The distance between the clew point and the intersection of the leech and centreline of the lower batten pocket	
	1730 mm

G.4 SPINNAKER

G.4.1 CONSTRUCTION

- (a) The construction shall be: **Soft sail, single ply sail.**
- (b) Sailmaker Cloth:
 - (i) For sails **certified** from the 15th November 2007 the **body of the sail** shall consist of the same sailcloth type throughout, which shall be on the list of approved cloths in Appendix 1.
 - (ii) For sails **certified** before the 15th November 2007 the **body of the sail** shall consist of the same **woven ply** throughout. The **ply** fibers shall be of polyester or polyamide and the cloth weight shall be a minimum of 38 g/m², or conform with G.4.1(b) (i)
- (c) The following are permitted: Stitching, glues, tapes, **tabling**, corner eyes, **primary reinforcement**, **secondary reinforcement** listed in G.4.2, telltales and items permitted by other applicable *rules*.

G.4.2 DIMENSIONS

	minimum	maximum
Leech lengths	5600 mm	5800 mm
Foot length		4000 mm
Foot median		6600 mm
Quarter width		4700 mm
Half width		4200 mm
Three-quarter width		2300 mm
Difference between diagonals		20 mm
Weight of the ply of the body of the sail	38 gr/m ²	
Primary reinforcement		320 mm
Secondary reinforcement from sail corner measurement points.....		960 mm
Tabling width		50 mm

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PART III – APPENDICES

Appendix 1 – Approved Spinnaker Sail Cloth Types

<u>Manufacturer</u>	<u>Type</u>
Bainbridge	MP70
Bainbridge	AIRX 650N, 700N, 720NS
Contender	DYNALITE-DYNACOTE 75
Contender	SUPERKOTE 75, 80, 90
Dimension Polyant	F65, F75
North Sails	Norlite 60
Teijin	T-7017

Cloth manufactures may apply to ISAF at any time for inclusion on this list. Please refer to www.sailing.org/yncling for the latest version of the class rules.

Procedure for Acceptance of spinnaker sailcloth types

- 1 Sail cloth types will only be approved if spinnakers made of them will be commonly available
- 2
 - (a) The cloth weight is determined by referencing an average of the manufacturers' industry-standard test results. The nominal weight shall be greater than 38 gsm."
 - (b) A sample of minimum 1 m² of each cloth shall be sent to the ISAF and the IYA.
 - (c) From time to time ISAF will require from the manufactures their test results relating to cloth weight.
3. Sailcloth manufacturers shall notify the ISAF of any change in cloth production where upon:
 - (a) ISAF will decide if the cloth will remain on the approved list, Appendix 1
 - (b) If the cloth remains on the list the sail cloth manufacturer shall provide ISAF and the IYA with new cloth samples prior to its use by Yngling sailmakers
- 4 The ISAF in consultation with the IYA will review the current list and, subject to ISAF approval, accept proposals for new sail cloth materials to be added.

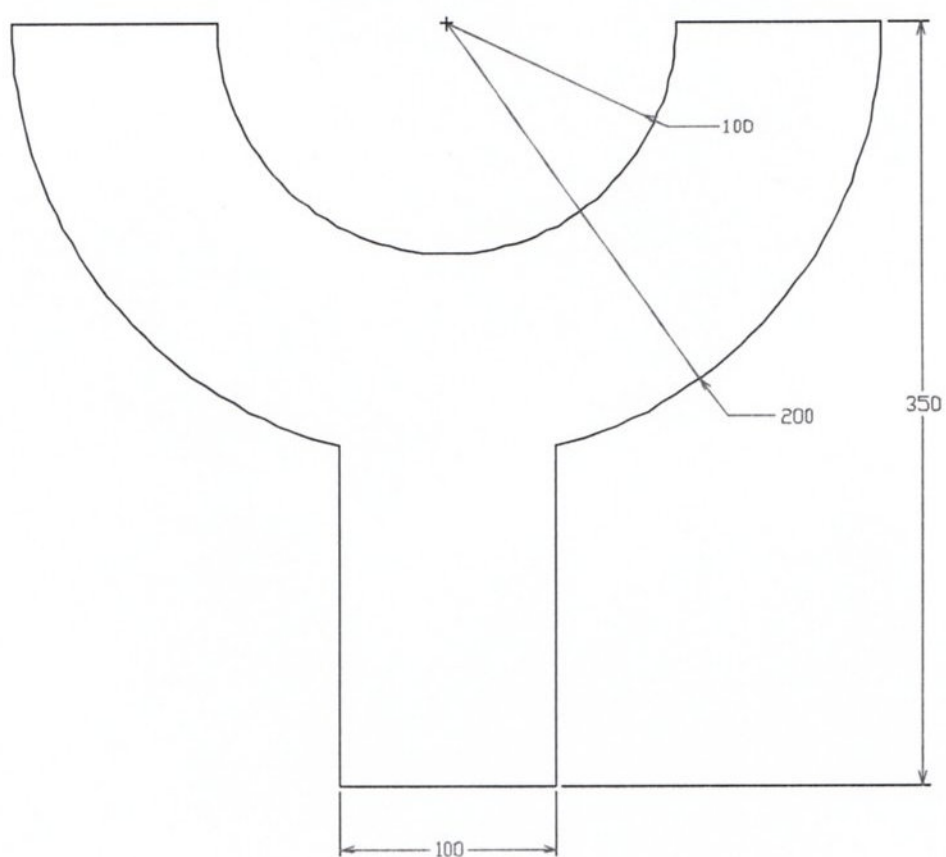
Recommended Sail Cloth Declaration

Although not a formal requirement the recommended sail cloth declaration sticker is as stated below:

Sailmaker's cloth Certification	
Type of Cloth	<input type="text"/>
Date <input type="text"/> / <input type="text"/> / <input type="text"/>	Serial No. <input type="text"/>
Name	<input type="text"/>
Signed	<input type="text"/>

International YNGLING Class
Measurement Diagram
- Appendix 2

CLASS INSIGNIA



Designer: Jan H. Linge

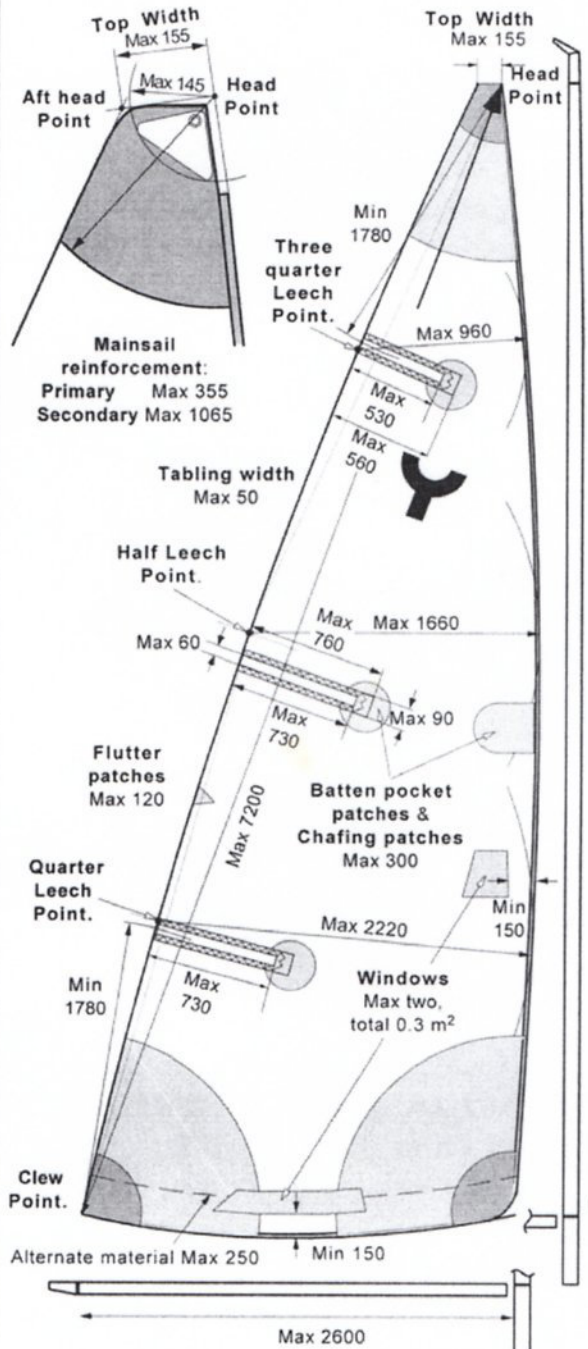
NOMINAL DIMENSIONS - NOT TO SCALE

International YNGLING Class

Mainsail and Jib Measurement Diagram

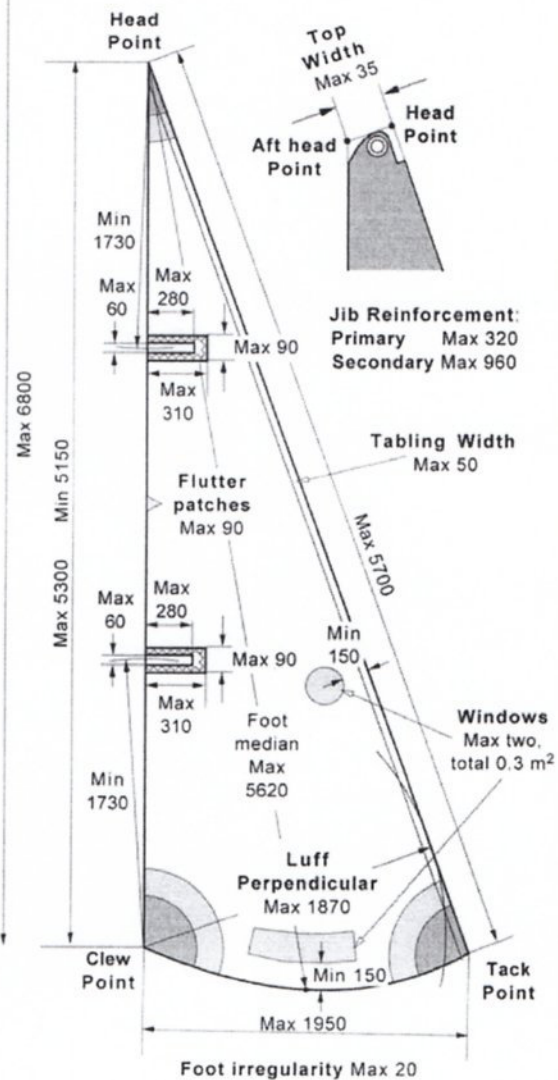
Appendix 7 2007

In the case of conflict, the written class rules take precedence over this Appendix



Notes:

- 1) Sail construction as per G.2.2 and G.2.3
- 2) Mainsail battens shall be removed while Jib battens remain in for measurement see rule G.1.1



Designer: Jan H. Linge Date: 24 Feb 2007

NOT TO SCALE