

Y-FLFYER SPECIFICATIONS & RESTRICTIONS

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A. General: No other sails than the standard size mainsail, jib, and spinnaker are allowed. Loose-footed mainsails, jib booms or part length clubs, double luff mainsails, and perforated sails are barred. The use of any type of reefing is barred during racing. Leeches must be straight or convex at all points.

B. Sail Window: Transparent sail windows may be incorporated into the mainsail and jib. The total area of the windows in the main shall not exceed 3 square feet and the total area of the windows in the jib shall not exceed 4 square feet.

C. Battens: Wood, plastic, or metal - 4 in mainsail to be as nearly as possible equally spaced and no longer than as follows:

Top Batten -----	20"	Third Batten -----	36"
Second Batten -----	34"	Bottom Batten ---	22"

Two battens (allowed but not required) in the jib to be as nearly as possible equally spaced and no longer than 9".

D. Sail Cloth: Jib and mainsails shall be of woven synthetic material not lighter than 3.0 oz. Spinnaker to be of woven material not lighter than 0.75 oz. Weights are based on a lineal yard 28 - 1/2 " wide.

E. Dimensions: The following dimensions are final stretched length and shall be as per official sail plan.

	Mainsail		Jibsail		Spinnaker		
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	
Luff	20' - 8"	None	17'-1"	None	Leeches	19'-0"	18'-6"
Leech	21'-6"	None	14'-9"	None	Foot (half)	7'-0"	6'-8"
Foot	10'-8"	None	7'-1"	None	Girth A (at 5')	4'-11"	4'-7"
1/4 Point Girth	3'-8.5"	None	N/A	None	Girth B (at 10')	7'-4"	7'-0"
1/2 Point Girth	6'-7"	None	3'-11"	None	Girth C (at 15')	7'-6"	7'-2"
Roach in Foot (Center Foot)	N/A	None	0'-9"	None	Diagonal (Head to Center Foot)	None	None

1. Mainsail Headboard - Shall not exceed 4" measured at right angles to the mast. Limiting dimension is from the forward edge of the bolt rope to the after edge of the headboard and shall not exceed 5".

2. Options - Cunningham holes and adjustable clew outhaul in mainsail; adjustable luff jib; zipper luff jib, and furling jib.

F. Measurement Methods (Also see Plate 3 of the Plans):

1. Corner to corner dimensions of the mainsail - Shall include the bolt rope and shall be measured in straight lines as follows:

a. Luff Length - between the highest point of the headboard and the lowest point of the sail directly under the center of the tack cringle.

b. Foot length - between the most forward point of the sail directly ahead of the tack cringle and the aftermost point of the sail at the clew.

c. Leech length - between the lowest point of the sail directly under the center of the clew cringle and the highest point of the headboard.

2. Corner to corner dimensions of the jib - Shall be measured in straight lines as follows:

a. Luff length - between the highest point of the sail at the peak and the tack.

b. Foot length - between the most forward point of the sail at the tack and the aftermost point of the sail directly aft of the center of the clew cringle.

c. Leech length - between the lowest point of the sail directly under the center of the clew cringle and the highest point of the sail at the peak.

3. When measuring a jib of the "zipper luff" type, the material forming the "zipper luff" (in the closed position) shall be considered as part of the sail.

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4. When measuring a jib of the "adjustable luff" type, the luff length shall not exceed 17' - 1" when pulled out to maximum adjustment.

5. A light pull of about 3 lbs. shall be applied to the corner which is opposite to the side being measured. The luff and foot of the mainsail shall be subjected to a direct line pull of 16 lbs. while being measured; the jib luff, jib foot, and all leeches shall be subjected to a direct line pull of 8 lbs. while being measured. Mainsails should be measured with or without battens in place and with all pucker or leech lines released.

6. Girth measurements of the mainsail and jib shall include the bolt rope. The mid-point of the luff of the mainsail shall be determined by folding the sail upon itself, with the top most edge of the headboard even with the lower most edge of the bolt rope at the tack. The mid-point of the leech shall be determined in similar fashion with the headboard folded down to the clew. The quarter-points will be determined by folding the headboard down to the mid-points previously determined. Sufficient tension shall be applied to remove wrinkles. The mid-points of the jib luff and leech and the dimension of same and of the roach in the foot shall be determined (with wrinkles removed) as outlined above for the mainsail, except that the peak, tack, and clew are the points of intersection as shown on Plate 3 of the Plans.

7. The spinnaker shall be laid out on the floor, folded in half along the center seam, and shall be pulled out as nearly as possible wrinkle free. Girth and diagonal points shall be chalk marked on the sail by taping from a point directly above the head cringle. The leeches shall be measured under a pull of 3 lbs. from a point directly above the head cringle to a point directly below the tack-clew cringles, taken to the extreme edges of the sail. The foot shall be measured under a direct line pull of 3 lbs. from the extreme edge of the sail directly in line with the tack-clew cringles.

G. Bands on Spars:

1. Bands are to be black except on dark colored spars where they are to be white.

2. The lengths of the luff and foot of the mainsail are to be limited by 1" wide bands painted around the mast and boom. The luff of the mainsail is to be limited by two such bands. The uppermost edge of lower band is to be a maximum of 1' - 11" above the deck. The lower edge of the upper band is to be maximum of 20' - 8" above the upper edge of the lower band. Both measurements are to be made along the aft side of the mast with the mast raked to its normal sailing position. The extension of the bottom edge of the foot bolt rope shall never extend below the upper edge of the lower band except as provided below. No part of the sail including the headboard shall extend above the lower edge of the upper band. The foot of the mainsail is to be limited by a third band painted on the boom, the forward edge of which shall be 10' - 8" (measured along the boom sail track with the boom in its normal position) from a line which is an extension of the forward edge of the luff bolt rope. The foot of the mainsail shall not extend beyond the forward edge of this band.

3. Additional pairs of bands of matching colors (other than the color used for the specified bands) 20' - 8" apart shall be added to the mast below the specified bands if the mainsail will be carried lower on the mast.

Article VII - Rigging:

A. Standing Rigging: Only the Youngquist and the 5-stay rig are approved.

1. Chain plates must be located as shown on the Plans. Material is optional.

2. Forestay as shown on Plans - 1/8" wire rope or equivalent. Optional: 1/8" solid. Intersection of forestay and forward face of mast to be between 18' - 0" and 18' - 6" above the deck, measured along the mast.

3. Side shrouds - 1/8" wire rope or equivalent. Optional: 1/8" solid. Main tang bolt, measured along mast must be between 18' - 0" and 18' - 6" above the deck.

4. Spreaders - Required with the 5-stay rig. The centerline of the spreaders must be located within 6" of the projected intersection of the lower side shrouds with the outer side of the mast.

5. Lower side shrouds - may be of 1/16" or heavier wire rope or equivalent but must be led directly from mast to a pair of side chain plates shown on the Plans. It is recommended that the intersection of the shrouds with the outer side of the mast be between 9' - 0" and 10' - 0" above the deck. May be led to either fore or aft side chain plates.