

FALCON 2 225 and Falcon Tandem
BATTEN TRUING INSTRUCTIONS
PLEASE FOLLOW THIS PROCEDURE WHEN TRUING YOUR BATTENS.

(1) Do not attempt to true battens on any surface that is uneven.
(2) Lay each batten inside the outline on the diagram. The rear 75% of each batten is straight except for the nose, #6, and #7 which have reflex. Align the straight portion of the batten with the corresponding section of the template. Slide the batten into the proper position by registering the front batten tip vertically over its outline on the pattern. The batten should not deviate more than 1/4 inch from the pattern profile at any location. Do not attempt to correct minor localized discrepancies.
Please note that the two dashed lines labeled 'Falcon Tandem Hydranet' are applicable only to Falcon Tandems manufactured with Hydranet trailing edge panels. Hydranet sails can be identified by the smaller size (compared to 243MT) of the reinforcing squares in the fabric used for the trailing edge panel.
Hydranet squares are 3/16in; 243MT squares are 5/16in.
(3) There are (6) cambered battens (no. 2 through no. 7), (1) straight (no. 1) and 1 nose batten that is not normally removed from the sail except to true the battens. The Falcon 2 225 nose batten is Ø10mm diameter 7075; the Falcon Tandem nose batten is Ø1/2in 6061-T6. Make sure that you are truing each batten to the correct curve. The location of the rear batten tips on the pattern, while not precise, will help verify the correct template.
(4) When inserting and removing the no. 7 battens, extra care must be taken to avoid decambering the batten or damaging the sail. Lift the keel at the rear enough to allow the batten to slide in as easily as the shorter battens. Do not insert either #6 or #7 batten with the sail tensioned.
(5) When inserting and removing the nose batten, extra care must be taken to avoid decambering the batten or damaging the sail. Push down on the sail over the rear batten tip as the batten moves through the pocket.
(6) Check your battens to this pattern at intervals of 10 flights and after any hard landing or other ground handling mishap. Also, check your battens for symmetry (side to side) before every flight.
(7) If you have any questions, please consult your dealer or call Wills Wing at (714) 998-6359. You can also visit us on the web at www.willswing.com or contact us by email to comments@willswing.com. Please read the additional maintenance and tuning information in your owners manual.

rev 09-20-2002 sp

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