

BATTEN FITTING

User Manual for Batten fitting 1590, 1595 & 1596

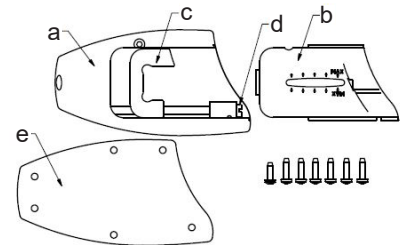
General

1590, 1595 and 1596 are fullbatten fittings with adjustable tensioning of the batten for installation at the luff of main sails. The fittings are made to be used with M10-threaded battcars such as Rutgerson's 153x-xx-05, or 153x-xx-09. The 1590 can take flat battens up to 40x6mm. The insert in 1595 allows for battens up to 25x10mm to be used. 1596 can take round battens up to 12mm in diameter. The batten is fitted into the batten pocket from the luff, which means that the batten pocket can be closed at the leech end, which means that no leech fittings is needed.

1590, 1595 and 1596 are suitable for boats from 30' to 50'. The fittings are made of composite plastic, which makes them light, strong and UV-resistant.

Components

The fittings consist of an upper part (a), cover (b), tensioner (c) (note that tensioner is different for 1590, 1595 and 1596), tensioning screw (d), back plate (e), and 7 screws. The shorter screw is for locking the cover.



Insertion for 1595



Installation

1. Start by removing the cover from the upper part of the fitting by pushing it back wards. The fitting is to be placed against the luff rope or the edge of the luff. NB! The centre line of the receptacle must be the same as the centre line of the batten pocket.
2. Temporarily place the upper part and the back plate of the fitting in the location described in picture 1 (on the same side of the sail as the batten pocket). Remove the upper part and be careful not to move the backing plate. Use it as a template to punch holes for the screws with an awl. (picture 2)
3. Turn the sail and place the back plate of the fitting into position on the opposite side of the sail and fitted into the newly made holes. Adjust the upper part of the fitting on the other side of the sail and fasten the six screws. The shorter screw is to be fitted into the hole on the lid.
4. Turn the sail and lift the tensioner.
5. Put the batten into the batten pocket. Place the batten in the gap of the fitting and push down the tensioner.

NB! Step 4 & 5 does not apply when mounting batten fitting 1595 & 1596.

6. Push the cover into position. Fasten the shorter screws to ensure that the cover is locked.
7. Thread the battcar (g) into the threaded groove at the front of the installed fitting. The battcar is not to be fastened into the fitting, it must be allowed to swivel at least 90 degrees to both port and starboard.
8. Adjust the tension of the batten with the tensioning screw in back of the fitting. The tension can easily be seen in the slit (h) on the cover of the fitting.

NB! Make sure that no metal part of the battcar is in contact with the mast section when sailing.

To remove the batten (Sections beneath are not illustrated.)

- A. Unscrew anti-clockwise to reduce batten tension to zero with the tensioning screw at the back of the fitting.
- B. Unscrew the screw on the lid, halfway, to release the cover of the fitting.
- C. Remove the lid by pushing it straight backwards, lift the tensioner (not applicable for the 1595 and 1596) and remove the batten from the batten pocket.

NB! Recommended cloth thickness 0-2 mm when using supplied screws!

The fitting is not constructed to manage the loads than can appear in a reefing point!

