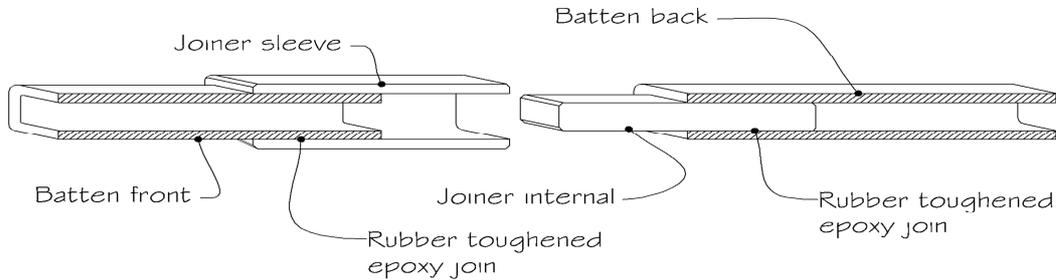


Repairing a broken C-T SailBatten

Broken C-T SailBattens are repaired using a custom fitted internal and external joiner sleeve as illustrated in the diagram below. If the break is less than 1m from the back of the batten you only require an internal joiner. **All joiners must be glued into place to prevent any future damage.**



The repair method is a 4 stage cure process to ensure a satisfactory repair.

- Stage 1** The internal joiner is bonded into one section. This ensures the joiner is positioned evenly into both sections.
- Stage 2** The two batten sections are bonded together.
- Stage 3** The external joiner sleeve is bonded onto the repaired section and carbon sock is laminated onto the repaired section.

Heaters can be used in between stages to speed up the process.

Stage 1

1. Cut the two battens section square to remove the damage section. Mask off batten sections on either side of the join so that epoxy glue doesn't ooze onto exterior surface.



2. Ensure that the internal surface of the batten sections are **sanded in preparation for bonding.**

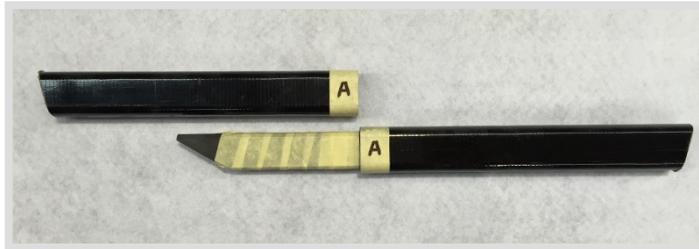


3. Dry fit the internal joiner to each section before bonding.



4. Bond the joiner into one section only.

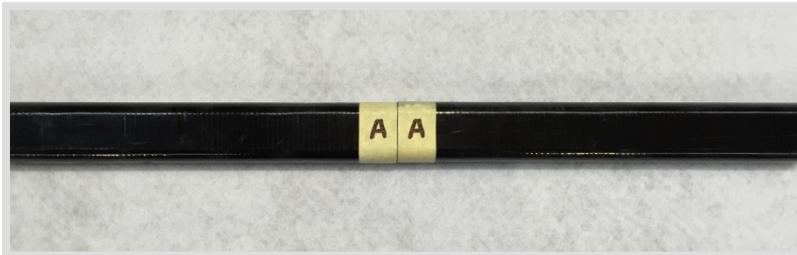
- A) Mask off half the section of the joiner so glue does not ooze onto the surface.



- B) Mix a rubber toughened epoxy glue product like West System G-Flex, Six 10. Gurit Spar Bond or similar.
C) Spread glue smoothly over solid internal joiner and sanded section of batten.
D) Apply glue to the inside of the sleeve section (as far down as possible).
E) NOTE: Glue MUST be applied to both the joiner and internal batten sections to avoid the risk of failure at the join.
F) Slide the joiner into the batten section up to the tape line
G) Allow glue to cure then remove masking tape.

Stage 2

5. Using the same method as (4) bond the two batten sections together.



Note: When sliding the two batten sections together, make sure that both sections are pushed hard together. (Pressure may have to be exerted, which will cause glue to be forced out of the join). You may need to tape the join in place so the sections do not move when curing.

Stage 3

6. Cut the external split sleeve to a length of 200mm then sand the exterior of the batten 50mm either side of the split sleeve.
NOTE: Mask off batten sections on either side of the sleeve so that epoxy resin doesn't ooze onto exterior surface



Bond split sleeve to the batten (leave to cure)



7. Cut the carbon sock to lengths slide over the repair and laminate into position with epoxy resin. Leave to cure.

