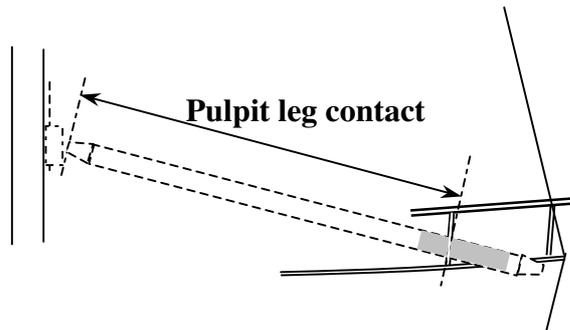


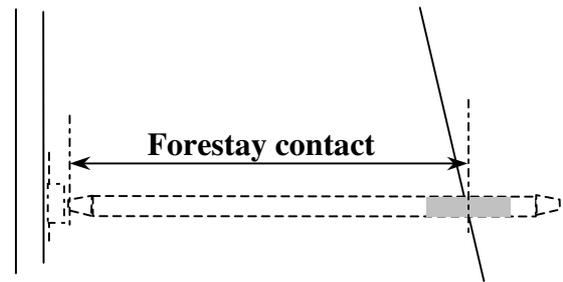
The external **TWARON®** protective wrap for carbon poles is intended to improve chafe resistance. Type A poles (End-for-End Gybe) have two wrapped areas, Type B poles (Dip Gybe) have one wrapped area.

The wrap can be positioned to suit the intended operating or stowage method:-

1. Chafe protection when stowed on the toe rail. This is the standard position.  
The wrap starts 40mm from the tube outer edge.
2. Chafe protection when the pole comes into accidental contact with the forestay.



Wrap in standard position, with its outer edge 40mm from the tube's outer edge.



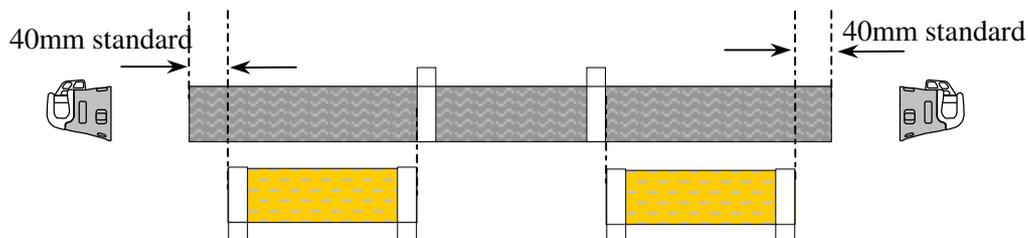
Wrap positioned aft of standard, to protect against chafe due to accidental pole contact with forestay

**SAFETY**

When handling cured Carbon fibre, there is a risk of damage to skin from sharp slivers.  
Wear long sleeves and heavy duty gloves.  
Use barrier cream to reduce irritation from carbon dust.  
Safety goggles and a **face mask** should be worn when cutting, sanding or drilling the tube.  
Latex gloves should be worn when handling the mixed adhesive during join assembly.  
A vacuum cleaner is highly recommended for frequent removal of dust.

**Preparation.**

Ensure that the work area is clean and well ventilated. Select a stable work surface.  
If the pole already had it's ends fitted, remove these.  
Wipe the tubes clean with a soft rag.  
Rest the carbon tube on chocks with soft padding.



**Wrap position**

Using the suggestions above, select the optimum location for the wrap. This will usually be the standard position. Apply a protective layer of masking tape around the pole tube and wraps as shown above.

## Fitting method



1. Apply a layer of masking tape around both ends of the the wrap. Finish with a “pull off” tab of tape.



2. Apply a series of lines (5~6) of marine grade silicone sealant to the pole tube



3. Spread the sealant into an approximately even layer over the tube.



4. Slide the wrap onto the tube, using a twisting motion. This helps to spread the silicone.



5. As the wrap moves, a large excess bead of silicone will develop.



6. Spread this ahead of the wrap using a wooden spatula or similar soft tool.



7. When the wrap reaches the inner tape, remove excess silicone.  
Remove the tube’s tape, pulling slightly towards the wrap. This will produce a neat edge of silicone.  
Remove the wrap’s tape.



8. Apply black self adhesive tape (supplied with the kit) to cover the wrap end.

Pull it tightly to avoid creases.



9. Smooth the tape firmly in place.

10. Refit the pole ends.