

## XL TOESTRAP SYSTEM

After lots of testing and research we are very pleased to launch the new XL Toestrap System for the Topper.

### Our brief was:

- To improve the ergonomics of the toestraps.
- To allow adjustment of the centre strap for different strengths as well as for upwind and downwind sailing.
- To improve the storage facilities in the Topper for both fluid and food.

### ERGONOMICS

- The centre strap is wider, stiffer and has a rubber strip on the underside. This spreads the load and grips the foot which lessens the strain on the sailor.
- The side straps are padded which saves that horrible salt rash for those who like to sail with bare calves in the warmer weather!
- The centre strap is adjustable for length with a series of fixing holes. Extensive research shows that it is long enough for the shortest sailor and can be shortened to suit the longest.
- The centre strap hugs the daggerboard case which allows the sailor the option of hiking from further forward. Currently sailors are observed hiking at an angle from the centreline which decreases leverage. It also induces twist in the sailor's posture which is a physical strain.



### INSTANTLY ADJUSTABLE ON THE WATER

- The **XL Adjustable Centre Strap** has an innovative built in rope and bobble system which relies on friction to hold a given position. There is no metalwork included in this system to fit in with the class associations wishes. You pull forward on the clear pvc handle to shorten the toestrap and pull up on the red bobble to lengthen it again, it's that simple.
- Sailing to windward requires a longer length when fully hiking and a shorter length when sitting on the side so you remain 'locked into the boat'.
- Sailing downwind requires the shortest length to allow the sailor to lock into the boat and move around when sailing waves.

### STORAGE OF FLUID AND FOOD/SPARES

- The **XL padded side straps** have Velcro built into a section at the front of each strap which allows attachment of the **XL Siderstrap bag** and a clever webbing bottle holder.
- The bag has drainage holes and attaches to the bailer side of the boat.
- The **XL waterbottle holder** will be a popular fitment in a breeze because the waterbottle will be instantly to hand on port tack.



We believe that this system will have a useful impact on performance. The sailor will be less physically stressed because of the improved ergonomics and more able to carry essential fluid and food.

Additionally leverage and 'locking in' will be improved over a greater wind range and wind angle

**Dave & Adam Cockerill 01243 379444 for further information**

