



## You will need:

*(Usually already on the boat)*

- **Traveller** – the rope across the back of the boat
- **Main sheet ratchet block** – in the centre of the boat
- **Bow line** – ties the boat to the trolley

*(...from the storage shed)*

- **Main sheet**
- **Mast** with **Main sail** furled around it and downhaul rope (Cunningham) attached
- **Jib sail** - this will normally have the jib sheet attached
- **Boom** - including already rigged on the boom – outhaul, clew hook and kicking strap
- **Dagger board** – with retaining elastic attached
- **Rudder** – including Tiller and extension
- **Bung** – this is usually tied to the rudder and will be black

## 1. SAFETY INFORMATION

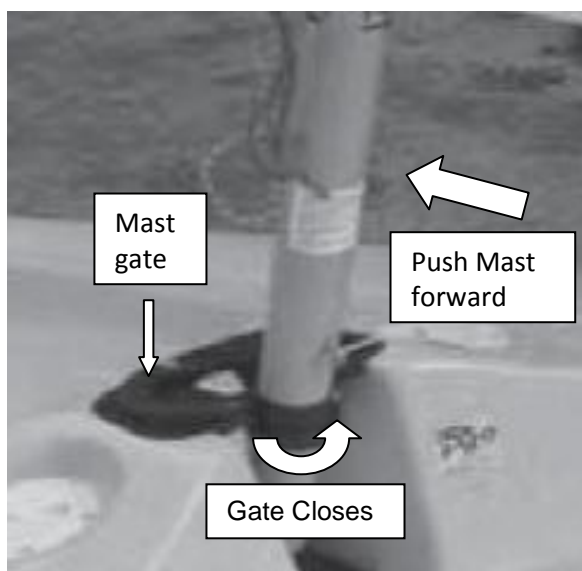
- Before attempting to operate the boat, ensure that you have the appropriate experience to handle the boat safely in the anticipated sea and wind conditions
- Ensure that the crew (if any) have sufficient boating experience and are familiar with emergency procedures, capsize recovery, and towing
- Always check the weather forecast before leaving shore, and ensure that the predicted weather and sea conditions are suitable for the boat
- Clothing should be suitable for the anticipated weather conditions and footwear appropriate for boating
- Before going afloat, all persons should be wearing a suitable buoyancy aid which should be worn at ALL time when on the water
- The helmsman is responsible for the safe operation of the boat
- The helmsman's responsibilities include the proper preparation of the boat and safety equipment, knowledge of the boat operation, and safety of the crew

## 2. Attaching the jib (if required)

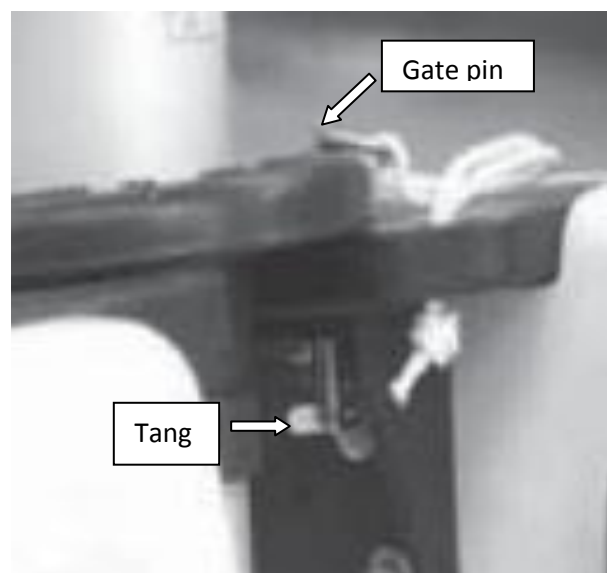
- Attach the hook on the head of the jib to the eye on the mast (about 2/3rds the way along)
- Hoist the mast (see section 3 below and then come back to here)
- Attach the lower hook on the tack of the jib to the bow eye on the hull
- Tie the jib sheet onto the jib clew (if not already attached) by taking the jib sheet in the centre and passing the loop through the clew cringle
- Pass the two free ends through the loop and pull tight. Ensure that the two rope ends are the same length
- Thread the ends of the jib sheets through the fairleads and tie a figure of 8 knot in each end

## 3. Raising the Mast and Mainsail

- With the boat turned into the wind, remove the mast gate pin and open the mast gate
- Lift the mast into the boat, dropping the bottom of the mast into the mast step (see picture 3.1)
- Raising the mast into an upright position will close the mast gate
- Insert the mast gate pin into the mast gate claw. Remember to move the sliding tang to 90 degrees to lock the pin in position (see picture 3.2)
- Do not unroll the main sail yet!



Picture 3.1 Raising the mast

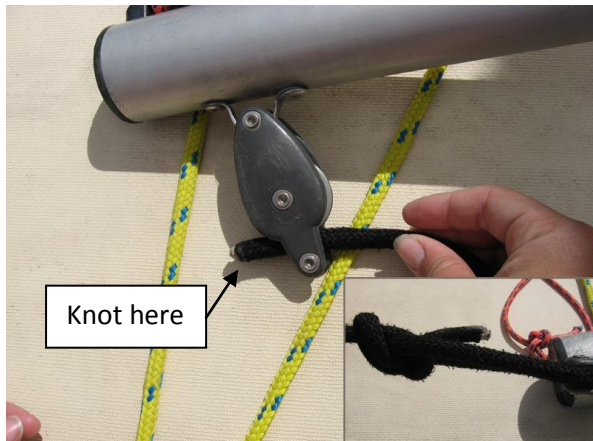


Picture 3.2 The pin and tang

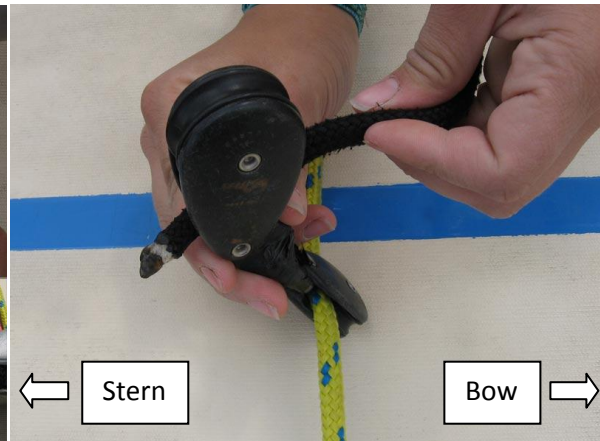
**The Main sheet**

*(Note the pictures below show a Laser but the process is identical)*

1. Join the large traveller block to the small block on the traveller with the large Inglefield clips
2. Secure the end of the mainsheet rope to the block on the underside of the end of the boom, using a figure of 8 stopper knot (see picture 3.3)
3. Take the other end of the rope through the block on the traveller, making sure it goes from front to back (see picture 3.4), and then up and back through the first block, (see picture 3.5)
4. Next, the rope goes along the boom, through the eyehole (see picture 3.6), then through the block halfway along the boom (see picture 3.7)
5. Next it drops down and goes through the ratchet block at the front of the cockpit (front to back), (see picture 3.8) and **is secured with a figure of 8 stopper knot in the end of the rope**



Picture 3.3 Boom end block and bowline



Picture 3.4 Second block (on Traveller)



Picture 3.5 Through the boom end block



Picture 3.6 Through eyehole on boom



Picture 3.7 Through the middle boom block



Picture 3.8 Through main deck block

6. Push the gooseneck onto the mast collar (see picture 3.9)
7. The final main sheet arrangement will now look like this (see picture 3.10)



Picture 3.9 Attach Boom to the mast collar



Picture 3.10 The finished Main sheet

8. Unroll the mainsail
9. Hook the clew of the mainsail onto the hook at the end of the boom (see picture 3.11)
10. You may like to use the webbing strop on the clew (if there is one) as a handle to pull the sail into position, making it easier to hook the mainsail clew hook onto the sail (see picture 3.12)

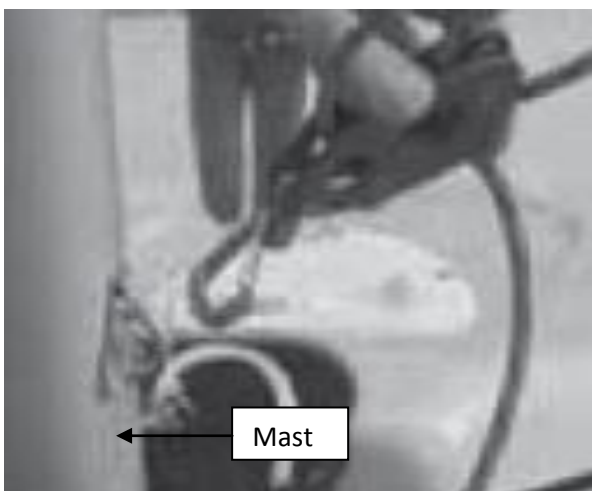


Picture 3.11 The Clew Hook and outhaul

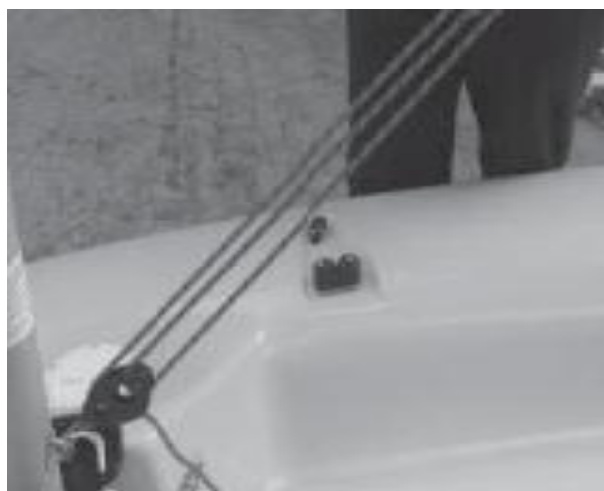


Picture 3.12 The Main sail clew

11. Attach the hook on the kicker from the boom to the mast and apply a little tension to hold the boom on the mast whilst launching (see picture 3.13 & 3.14)



Picture 3.13 Attach the kicker



Picture 3.14 The Kicker cascade

- Loop the dagger board shock cord retaining line round the base of the mast (under the mast gate) and clip it together using the Inglefield clips, or hook and eye
- When you are afloat put the dagger board into the slot (see picture 3.15)



Picture 3.15 The dagger board when afloat



Picture 3.16 Tiller UNDER the traveller

## Reefing the Pico

- In strong winds, or if you are unsure whether you can cope with the conditions, it is always best to reef the sail, to reduce its area
- Remove the jib if fitted – Note; the Pico cannot be sailed with the jib if it is reefed
- Slacken the kicking strap and unclip the large kicker block from the lower mast
- Rotate the mast in either direction by turning the mast below the gooseneck. This will roll the sail around the mast, thus reducing the sail area
- Reattach the kicking strap, but leave it loose (see picture 3.13)
- Reattach the clew outhaul and pull it tight (see picture 3.12)
- Retighten the kicking strap

## 4. Completion

- Now you are almost ready to go Pico sailing. All that is left to do is:
  - Screw in the bung (usually it is tied onto the rudder stock)
  - Fit the rudder to the back of the boat - Ensure that the tiller arm goes under the traveller (see picture 3.16)
  - Check that all knots and shackles are tied securely
- To fit the rudder, simply line up the pins with the fitting on the back of the boat and push down until the retaining clip 'clicks' into place
- The rudder may be difficult to get on – all it will need is a simple wiggle from side to side whilst pushing down
- Launch the boat carefully – ask for help if required
- As you get into deeper water lower the dagger board
- Lower the rudder completely by lifting the tiller bar and pushing backwards. Push the tiller bar down onto the rudder stock and the rudder will lock down

### Returning to the shore:

- When returning to the shore do so SLOWLY and always under control
- Remove the dagger board when near the shore and be ready to lift the tiller bar to unlock the rudder
- Furl the mainsail by winding the mast as soon as possible – please DO NOT leave the sails flogging as this drastically reduces their useable life
- Return all kit to the storage shed, put the cover back on the boat, and secure the straps