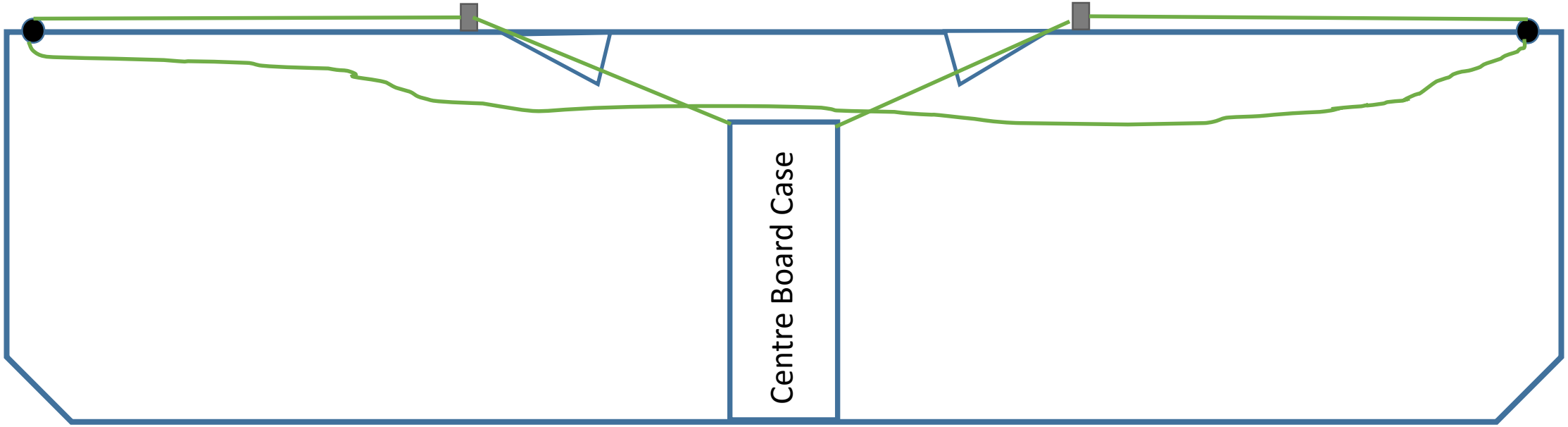
Continuous Control Lines & Take Up System

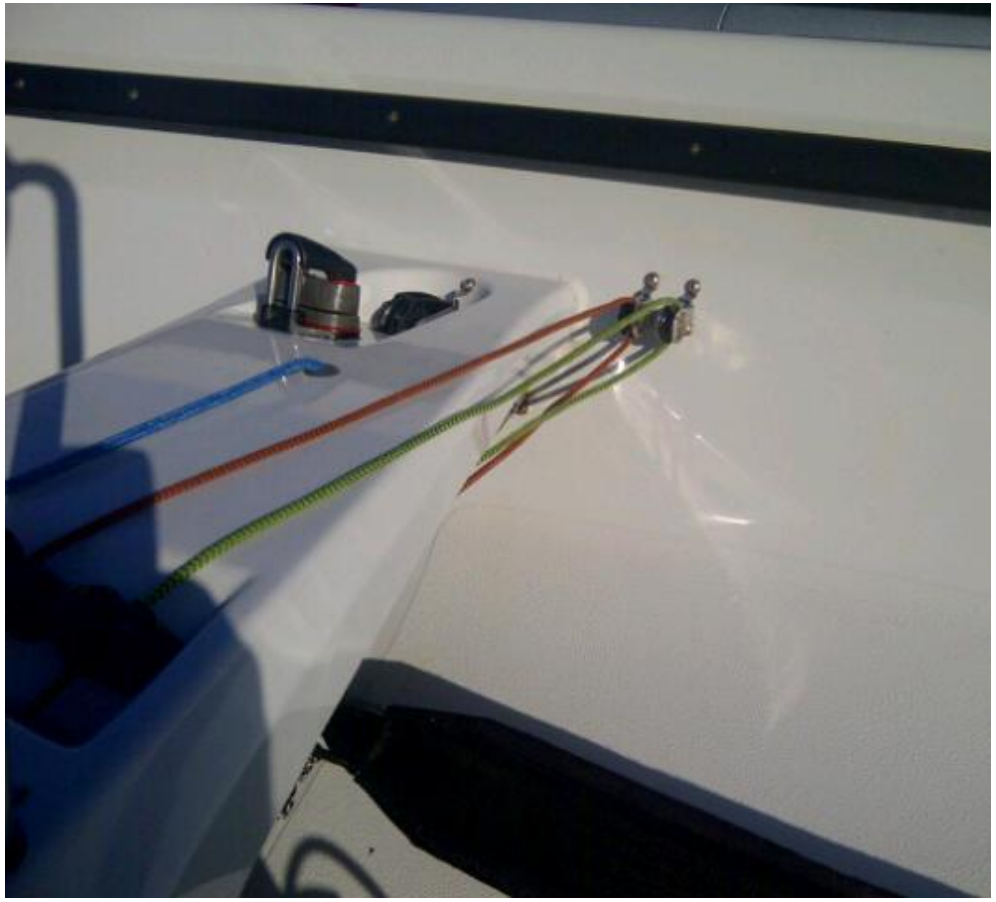
- Continuous control lines for the Kicker and Cunningham are a great help in that you never run out of string to let off
- The addition of an elastic take up system under the thwart keeps everything tidy
- Continuous control lines are easily fitted using rope such as Marlow Ropes Control
- End to end slicing is straight forward with lots of examples and advice on the web

Basis Continuous Control Line Arrangement

- From the turning blocks on the centre board case under the thwart
- The continuous control line (Green Line) passes through the cleats and around turning blocks attached to tank front
- If you want to include a take-up system to take the slack out of the rope read the rest of this fact sheet before slicing the rope

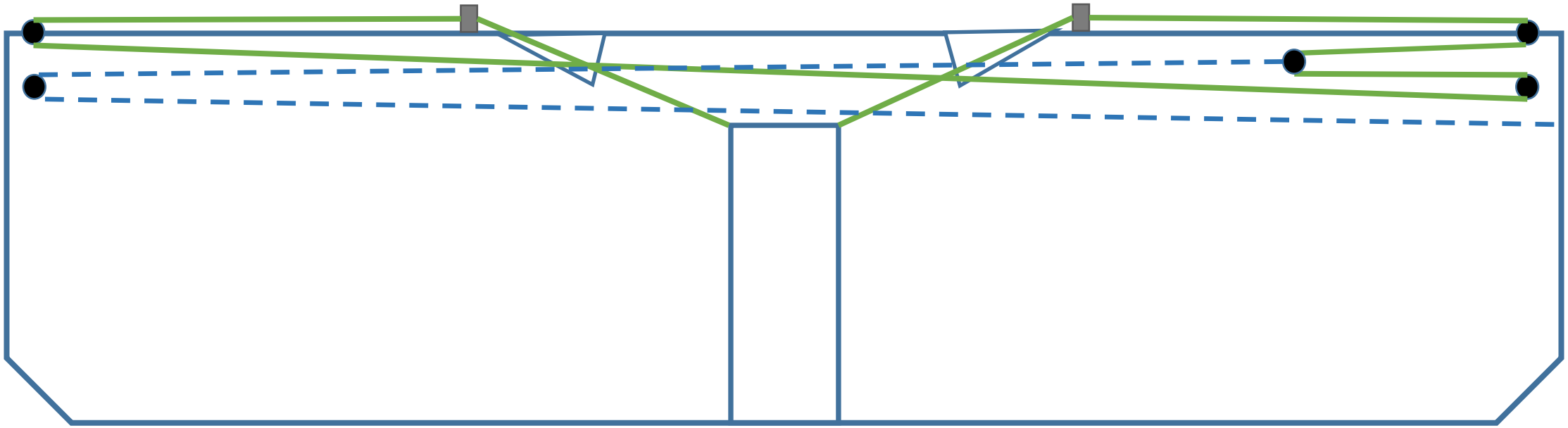


Continuous Control Line Turning Blocks Positioned Aft of Thwart

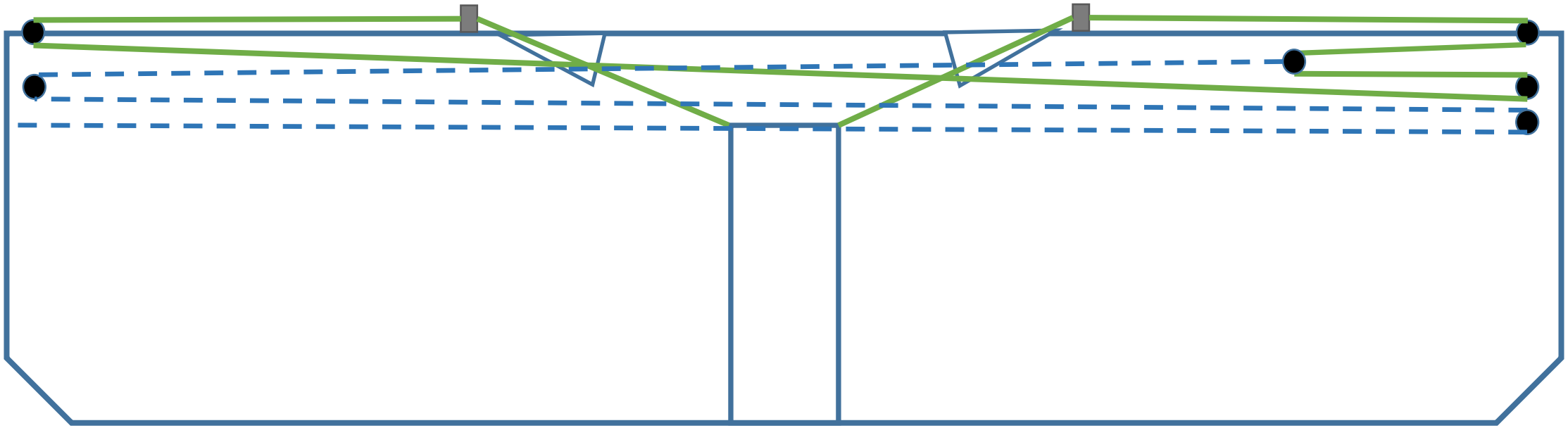


- Vertical position of turning block on the tank front is optional
  - Higher is easier to reach when sitting out
  - Lower down the control line is on the thwart so less of a trip hazard when moving forward and aft
- DO NOT fit pulleys too low as there is a risk of the fixings going through the hull

- The control line take up system works by pulling a bight in the control line under the thwart
- To form the bight requires an addition fixed turning block below the thwart and a floating pulley
- Tension is applied using 3mm shock cord (Blue dotted line) around another fixed turning block below the thwart on the other side

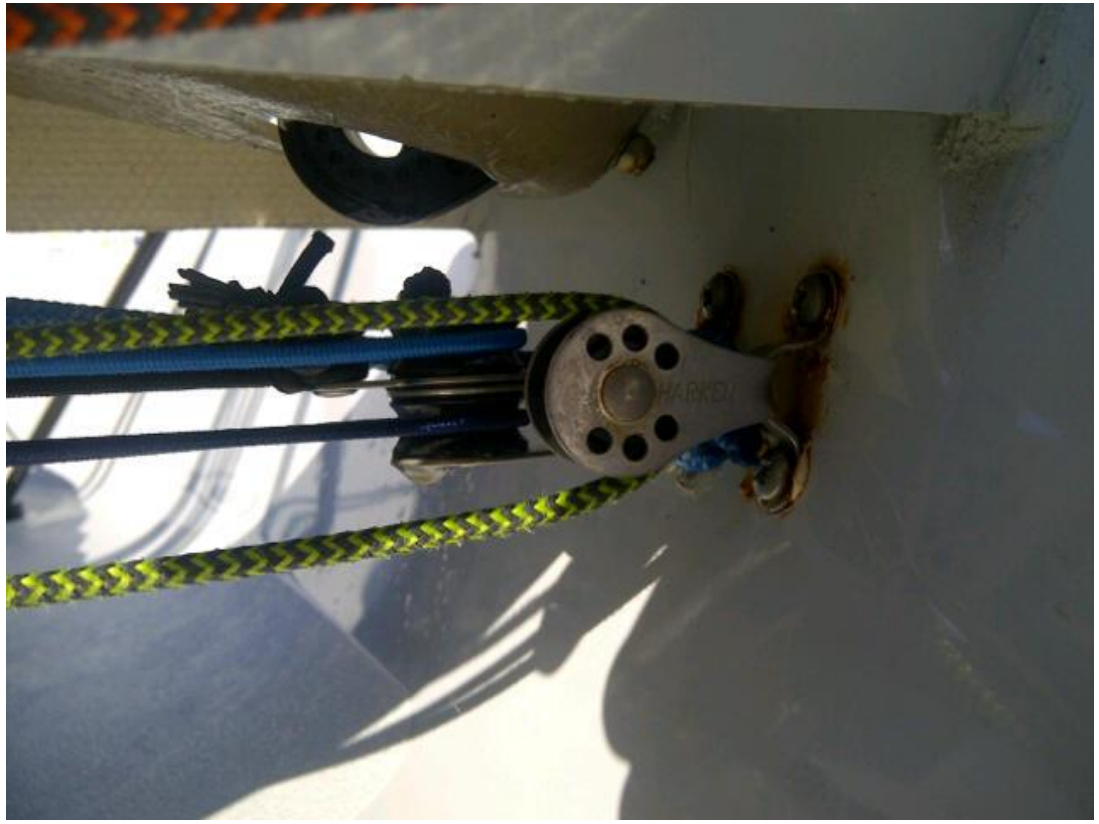


- To take up all of the slack in the Kicker or Cunningham from fully “off” to fully “on” requires the bight in the control line to cover the width of the thwart
- Shock cord stretches to approximately twice its length before its gets really tight
- For superior operation an additional turning block, so that the shock cord crosses the boat three times, takes up all of the slack when the control line is fully on and does not automatically re-tighten the rope when it is eased



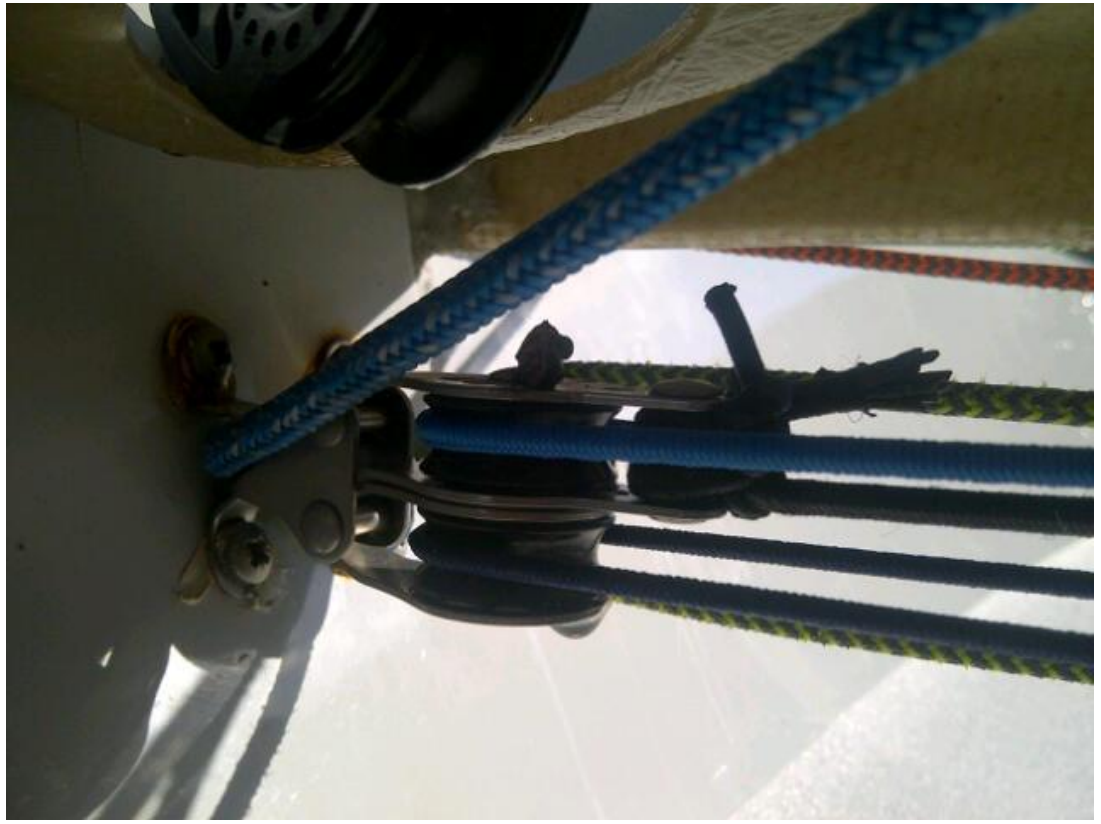
Control Line “Bight” Turning Block Viewed from Aft

- Turning block fixed under the thwart to create a bight in the control line (green rope)
- Turning blocks for the shock cord (blue shock cord) can be seen behind



Control Line “Bight” Turning Block Viewed from Forward

- Double block with becket for turning and dead ending shock cord



Continuous Control Lines with Take Up System

- The diagrams and pictures show the system for the kicker which happens to be a green control line with the turning block on the starboard side
- The orange Cunningham control line is exactly the same but with the turning block on the port side

Top Tips

- Don’t have the continuous control lines too long as there will not be enough distance under the thwart for the bight of rope to take up all of the slack
- Check the fully “on” and “off” settings before cutting any ropes
- Check that the control line lead is correct and goes through all of the necessary blocks before making the end to end slice
- Check shock cord leads which may vary depending on were the fixed blocks are positioned
- Start with a long length of shock cord, it is really difficult to thread and knot shock cord which is already stretched (you also waste a lot of time re-threading after you have accidently let go)
- It is easier to see what you are doing with the boat on its side but make sure it is securely supported