

A black and white photograph of a rowing team in a boat on a body of water. The rowers are wearing dark singlets and light-colored visors. The boat has 'SYKES' written on its side. In the background, other boats are visible, some with numbers like 'N6' and 'N7'. The water is calm, and the background shows a shoreline with trees and buildings.

Guide: How to Rig Sykes' Carbon Bow Mounted Rigger

How To Rig your New Carbon Fibre Bow Mounted Rigger



Congratulations on the purchase of your new Sykes Bow Mounted Carbon Fibre Rigger. To help you get the most out of your new purchase, please see the following tips when setting up your new Rigger.

To make the rigging task simple, Sykes has developed proprietary parts on the new rigger, so you can spend more time on the water and less time with a Allen key or spanner in your hand!

The Rigger is adjustable in the following ways:

- Pitch (from -3° to $+3^{\circ}$)
- Span (157-162cm)
- Height (15-18cm above seat)
Extra packers available to allow 13-20cm Height range
- Lateral Pitch - also known as Lay (-5° to 5°)



How to Rig – Span/Pitch



With Sykes' new Rigger, you can adjust Span/Pitch together, whilst leaving your lateral pitch locked at whichever setting you have chosen.

Tools Required: M8 (13mm) Spanner, Good Quality 2.5mm Allen Key

Steps:

1. Undo the central M8 bolt using a 13mm Spanner
2. Slide along tube to desired Span Setting using centre mark provided
3. Nip up with your fingers (but not too tight!) the central M8 Bolt
4. Set your desired vertical/stern pitch by rolling the Saddle clamp around the tube, ensuring correct span position.
5. Tighten up the assembly, checking everything is sufficiently tight



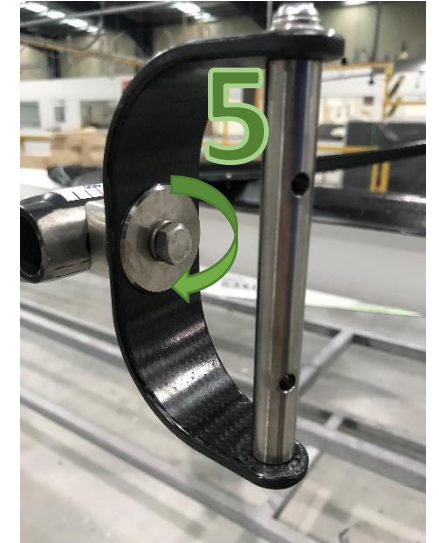
How to Rig – Yaw (Lateral Pitch)



Recognising that Lateral Pitch is tuned much less by our athletes than Vertical Pitch or Span, Sykes decided to assist in locking out the adjustment by adding a small grub screw. This grub screw holds the Lateral Pitch in position while adjusting the other rigging variables. The screw should only be used for this purpose only, as the M8 centre bolt holds everything engaged when locked up.

Sykes suggests to set your Lateral pitch before you set your span or vertical pitch for ease of rigging.

1. Copy Step 1 from Span/Pitch adjustment undoing central M8 bolt.
2. Using a 2.5mm Allen Key undo the grub screw on the saddle clamp
3. Set your lateral pitch using a level and pitch gauge.
4. Tighten 2.5mm Grub Screw
5. Tighten centre M8 bolt or nip up and follow procedure to adjust Span/Pitch.



Every Rower will need to adjust heights occasionally and even sometimes on the water mid row! To assist in this, Sykes' Bow Mounted Riggers leave the factory fitted with four blue clip on spacers per pin.

To adjust your height, simply:

1. To lift up the gate, pop out a blue spacer from above the gate
2. Slide the gate up
3. Pop the spacer in below. One spacer is approximately 6mm of height change.
4. If you cannot get enough change using the spacers, remove the pin (while you're not rowing!) and move some of the black spacers from the top to the bottom.
5. To drop the gate, simply reverse the above procedure.
6. If you still can't get enough height (outside 14-19cm above the seat), use the packers installed under the rigger attachment at the boat (see next page)



NOTE:
The bowside rigger arm is moulded 1cm higher to allow for crossover. If you have the same number of washers under each oarlock, your bow side gate will be 1cm higher.

How to Rig – Height using the Packers

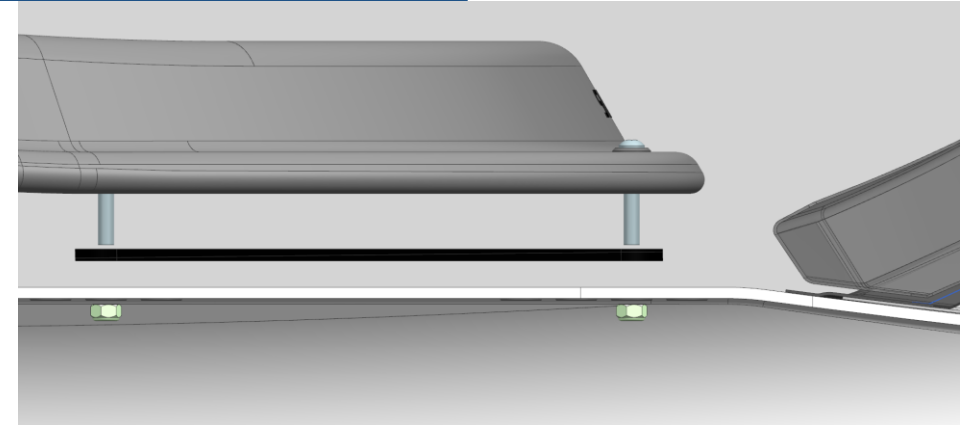
To aid in the out of normal range heights, Sykes developed some reversible packers that sit under the rigger between the boat and the flange. These stay with the rigger at all times and help to guard the underside of the rigger from damage.

The standard Bow Mounted Rigger can be adjusted from 15-18cm of height above the seat.

To achieve a larger range (13-20cm), the packers can be deployed in one of the following ways:

1. Packers are opposing so there is no change in the gate height
2. Packers are placed with the two thinner ends towards the bow (15mm of increased height at the gate i.e allows 20cm height)
3. Packers are placed with the two thicker ends towards the bow (15mm of reduced height at the gate i.e. allows 13cm height)

If changing the orientation of the packers, remember to re-pitch your pin to your desired setting.



Packer shown between rigger and flange

1



2



3



To aid in the case of a bind up/corrosion of parts or features, Sykes new Carbon Rigger has two features to help you out:

- Titanium bolts and pins reduce chance of corrosion
- Special unbinding hole inside the pin.
 - If you can't get your pin undone or the bolts become stuck, pop off a couple of the Blue spacers, slide the gate up to reveal a small hole through the pin. Slide in a small screwdriver or pin and then undo the bolts to release the threads.



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