

## Merlin Rocket

**Mast:** Superspar/Chipstow

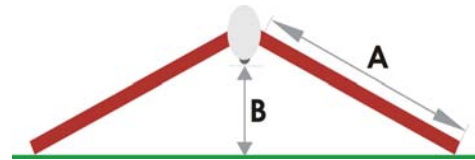
N.B. the Superspar is stiffer than the Chipstow so may need more bend achieved by increasing the spreader angle (b). Lightweight may also benefit from shortening the spreaders to achieve more side ways give.

**Sails:** Pinnell & Bax

**Crew weight :**(all-up) 18-24 stone

A = SPREADER LENGTH 350-365mm

B = SPREADER ANGLE 133-140mm



### **Rake.**

Set the rig up upright. Using a spirit level set the bow and the transom vertically. Pull the mast to the up-right position with the jib halyard adjustment. Use the spirit level on the front of the mast to check the mast is vertical. When doing this we have the lowers off and the shrouds have a small amount of tension.

Mark the upright position on the back of the mast.

This is where we set the rake in zero wind strengths to hiking out. The shrouds should be tight enough so that the leeward shroud is not panting. Do not over tighten at this point.

As you become overpowered ease the forestay (increasing rake). Typically moving the rig tension hook 2" at a time. Our rule of thumb for overpowered is, if the boom is to leeward of the hoop more than it is on the hoop. As you do so you will need to tighten the shrouds so that they do not pant, increase tension lowers a small amount and generally the kicker too.