SPECIAL EDITION EZZY WAVE

David Ezzy Answers Your Rigging and Tuning Questions for the 2006 Wave SE:

On Rigging:

Q. Is it a problem that my mast is shorter than my sail's luff length?
A. No. In fact, it is better to use a shorter mast with a base extension and the adjustable top set to zero rather than a longer mast with no base extension and the adjustable top extended. You can safely extend your mast base up to 45 cm. (18").

Q. Should I downhaul after outhauling or before?
A. It is easier to downhaul after the sail has been outhauled because the mast already has some bend. But, if you use a Reduced Diameter Mast that requires a boom shim, it is best to downhaul first.

Q. How do I know if I have the correct amount of downhaul?
A. Downhaul your sail until the leech goes loose between the upper three battens. Use the logo that is printed between battens #2 and #3 as an indicator. You ALWAYS want a loose head, even in light wind sailing. In stronger wind, you want to downhaul more to extend the looseness towards the luff, thereby increasing the upper leech twist. See figure 2.

Q. Will the stiffness of my mast affect how much downhaul tension I need?
A. Yes, a stiffer mast will require more downhaul tension.

Q. What does outhauling do?
A. Outhauling flattens the sail and moves the draft further forward. If you feel too much pull on your back hand, try applying more outhaul. For an average setting, you need between 2.5 cm (1") and 4.0 cm (1.5") of positive outhaul. For strong wind, you can outhaul up to 5.0 cm (2").

Q. How does the outhaul guide work?
A. First, make sure the sail is correctly downhauled according to the printed indicator between battens #2 and #3, then release ALL outhaul tension while making sure the battens are all flipped the same way. This is your starting point at zero outhaul. Next, pull the guide cord out and adjust your boom length to the end of the guide cord. Finally, outhaul the sail to the end of the boom. This will be an average outhaul setting. See figure 3.

Q. Why do I need so much positive outhaul?
A. The profile shape is already built into the Ezzy Wave's panels and too little outhaul will cause the sail to be too deep.

Q. The front of my battens aren't rotated around the mast. Is this correct?
A. This is correct. When properly rigged, the batten above the boom should rest directly behind the mast.

Q. How do I know if the battens are tensioned correctly?
A. When properly tensioned, there should be no wrinkles running across the batten pockets.

Q. What happens if I over-tension the battens?
A. You could damage the sail. Also, if over-tight, the battens will not flip smoothly.

Q. Can I leave my battens tensioned after sailing and while storing off-season?
A. Yes.

Q. How do I use the tack strap?
A. Tension the tack strap until a slight wrinkle appears around the tack grommet. Tensioning the tack strap improves the sail's low-end power and lowers the center of effort, thus making the sail more controllable.

On Sail Care:

Q. Is there anything I can do to make my sail last longer?
A. 1) When you are not sailing, store your sail in the shade away from direct sunlight, 2) try not to crease your sail while rigging and de-rigging and 3) If you store your rolled sail vertical, make sure it is sleeve-end down. This prevents the leech from being damaged.

Q. Do I need to rinse my sail with fresh water after sailing?
A. No.

Q. Do I need to dry my sail before rolling it up?
A. No.

figure 1 **2006 Ezzy Wave SE**

figure 2 **downhaul indicator**

1. Downhaul sail.
2. Release outhaul.
3. Set boom length to the end of guide line.
4. Outhaul the sail until it touches the boom.

figure 3 **outhaul indicator**

Sail Care Continued:

Q. What do I do with the pad when rolling the sail?
A. After rolling the sail, tuck the pad so it rests along the sail, wrap the tack strap around the pad and the sail, then attach the velcro (see figure 4).

Q. Which end of the sail goes into the bag first?
A. To avoid wrinkling the clew, always insert your sail with the sleeve-end first into the bag (see figure 5).

Q. My vinyl window has turned hazy blue and is now hard to see through, what should I do?
A. This happens when you roll your sail up wet with fresh water. Once it dries, it will go back to being clear.

Q. What's the best way to clean my window?
A. The vinyl window can be cleaned with fresh water and a dry towel.

Problem Solving:

My foot batten does not flip correctly.
Two things can cause this: 1) foot batten tension is over-tight, or 2) you need more downhaul.

I get jerked forward while sailing.
This can be caused by too little downhaul or a mast that is too stiff. It may also help to move your mast further back on your board.

My sail feels too powerful.
Try more downhaul and more outhaul.

My sail doesn't feel stable when sailing.
Try more downhaul and more outhaul.

I need more power.
Try less outhaul and less downhaul.

My sail pulls too much on my front arm.
Harness lines might be too far back, or you may need more downhaul, or less outhaul.

My sail pulls too much on my back arm.
Harness lines might be too far forward, or you may need more outhaul, or less downhaul.

Ezzy Mast:

Q. Does the Ezzy Wave SE only work on Ezzy Skinny masts?
A. No. The SE was designed to work on both skinny and regular diameter masts.

Q. What is the advantage of using a skinny mast?
A. They are stronger, lighter and easier to maneuver.

Q. Explain the Ezzy "mix and match" mast system.
A. Our tops and bottoms are completely interchangeable and you can purchase each section individually. This means instead of purchasing a complete second mast, you can buy just a top or bottom section.

Q. What are the basic rules when mixing different length tops and bottoms?
A. First, choose a combination that is slightly less than the sail's luff length. Second, try to keep the bottom section the same length, or shorter than the top section. Check out our mast configurator guide on our web site at www.ezzy.com.
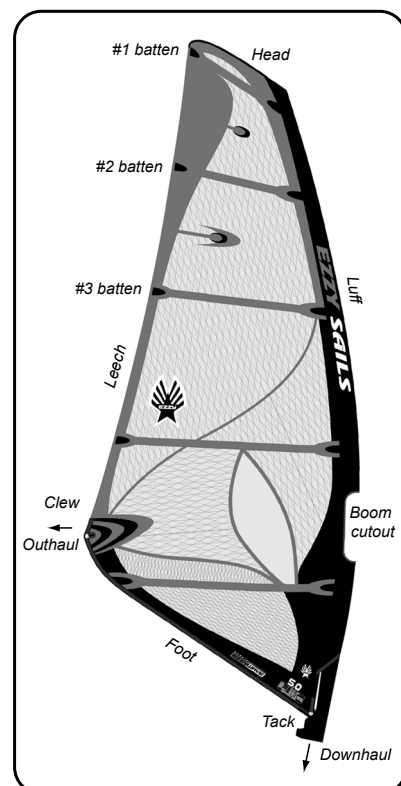
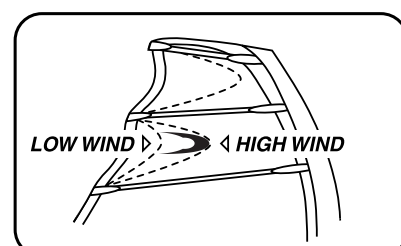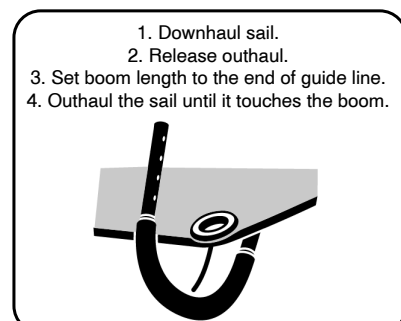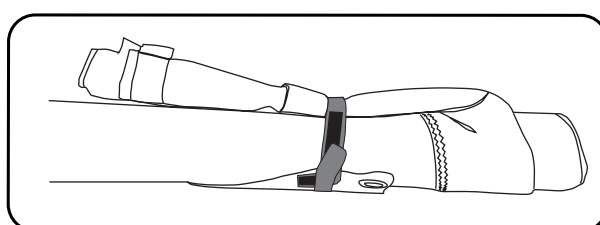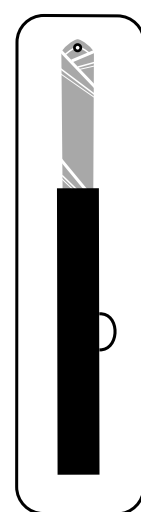figure 4 **wrap the tack strap around pad and sail**

figure 5
To avoid damaging your sail, insert the sleeve-end first into the bag.

Mast Selector Chart

SAIL	340 Top	340 Base	370 Top	370 Base	400 Top	400 Base	430 Top	430 Base	460 Top	460 Base	490 Top
2.9	x	x									
3.3	x	x									
3.5	x	x									
3.7		x	x								
4.0			x	x							
4.2			x	x							
4.5				x	x						
4.7				x	x						
5.0					x	x					
5.2						x	x				
5.5							x	x			
5.8							x	x			
6.0								x	x		
6.5									x	x	
7.0									x	x	

x = best combination   ■ = good combination

For more information, please go to our web site at www.ezzy.com